Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.
R. H. CO.'S MAMMOTH GOLDEN DENT CORN

1930

MISSDEL NUMBER ONE

R. H. CO.'S DELTA 19 ALFALFA

RUSSELL-HECKLE SEED CO.
MEMPHIS, TENN.

Vegetable Seed Trials

STEELE, L.M. AND REID, E.A.
No business can hope to attain an outstanding success unless that business fills an actual need in the community or territory it serves. The firm of Russell-Heckle Seed Company was organized to supply a very decided need in the South for a large seed distributor of highest integrity and with ample facilities to properly serve the great Mississippi Valley.

We take a pride in offering its many desirable features, the service and extensive agricultural knowledge of its entire personnel to its friends and customers throughout the Southland.

Your problems are ours; our success depends on yours. Write us, or better still, come to our store and let us analyze your agricultural problems. We want to be of service to you.

J.T. Russell  
President

Chas. E. Heckle  
Vice President

L.F. Young  
Vice President

Jas. A. Bedwell  
Treasurer

Bryan E. Nearn  
Secretary

J.H. McMinn  
Dept Manager

Wholesale Warehouse at Linden Station
ORDER FOR
Seeds, Bulbs, Plants, Supplies
TO
RUSSELL-HECKLE SEED CO.
26 South Front St., Memphis, Tenn.

WHOLESALE WAREHOUSE, LINDEN STATION

Date: Forward by (mail, express
Forward by (or freight)

WRITE NAME AND ADDRESS PLAIN

Name:
Post Office:
County: State...
R. F. D.: Box
Express or Freight Office:

Use this order sheet if possible. It aids in filling orders properly.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>ITEMS WANTED</th>
<th>Dollars</th>
<th>Cents</th>
</tr>
</thead>
<tbody>
<tr>
<td>select six 5c size for</td>
<td>. $ .25</td>
<td>select any three 10c size for</td>
<td>$ .25</td>
</tr>
<tr>
<td>select any thirteen 5c size for</td>
<td>.50</td>
<td>select any seven 10c size for</td>
<td>.50</td>
</tr>
</tbody>
</table>

OVER

Special Rates on Packet Garden and Flower Seeds

Select any six 5c size for | . $ .25 | Select any three 10c size for | $ .25 |
Select any thirteen 5c size for | .50 | Select any seven 10c size for | .50 |
Select any thirty 5c size for | 1.00 | Select any fifteen 10c size for | 1.00 |

We pay parcel post at above rates, but allow no further discounts.

NON-WARRANTY
Russell-Heckle Seed Company give no warranty, express or implied, as to description, quality, productiveness, of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

IN EXPLANATION
Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow plantings, etc., all causes beyond our control; therefore, it is impossible for us to guarantee success.
But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

WRITE HERE AMOUNT ENCLOSED

Please do not write here
Date rec'd:...
Amount received:...
Filled by:...
Shipped by:...
Date shipped:...
No. of packages:...

Name:...
Post Office:...
County: State...
R. F. D.: Box...
Express or Freight Office:...

Please do not write here
Date rec'd:...
Amount received:...
Filled by:...
Shipped by:...
Date shipped:...
No. of packages:...
<table>
<thead>
<tr>
<th>Quantity</th>
<th>ITEMS WANTED</th>
<th>Dollars</th>
<th>Cents</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Amount brought forward</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total.**

**1930 ALMANAC CALENDAR FREE**

If you will write below the names and addresses of your neighbors who buy seeds, bulbs, fruit trees, roses, poultry food, etc., we shall consider it a special favor and will be pleased to send you free one of our 1930 Almanac Calendars, which gives the weather predictions, and has other valuable information.

Extra Order Blanks and Return Envelopes Sent Free on Application.
**CLOVER SEED—Top Notch Brand**

<table>
<thead>
<tr>
<th>Catalogue Pages 10-11</th>
<th>Bu.</th>
<th>100 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa, Delta 18 Certified, Sealed 60-lb. bags only</td>
<td>$16.50</td>
<td>$16.00</td>
</tr>
<tr>
<td>Alfalfa, Dakota No. 12, bu. 60 lbs.</td>
<td>3.30</td>
<td>15.90</td>
</tr>
<tr>
<td>Alfalfa, Hardy North Western, bu. 60 lbs.</td>
<td>3.50</td>
<td>16.20</td>
</tr>
<tr>
<td>Alfalfa, Western, bu. 60 lbs.</td>
<td>3.65</td>
<td>18.00</td>
</tr>
<tr>
<td>Alfalfa, Disco No. 28, bu. 60 lbs.</td>
<td>3.90</td>
<td>21.50</td>
</tr>
<tr>
<td>Alfalfa, Haity Peruvian, bu. 60 lbs.</td>
<td>4.00</td>
<td>21.40</td>
</tr>
<tr>
<td>Alfalfa, Grimm, bu. 60 lbs.</td>
<td>4.50</td>
<td>24.50</td>
</tr>
<tr>
<td>Alyse Swedish Clover, bu. 60 lbs.</td>
<td>2.65</td>
<td>15.00</td>
</tr>
<tr>
<td>Red Clover, Top Notch Native, bu. 60 lbs.</td>
<td>2.75</td>
<td>16.00</td>
</tr>
<tr>
<td>Mammoth Sapling Clover, bu. 60 lbs.</td>
<td>2.80</td>
<td>16.40</td>
</tr>
<tr>
<td>Melilotus Wh. Sw. Clover, Scarified, bu. 10 lbs.</td>
<td>$1.20</td>
<td>$6.30</td>
</tr>
</tbody>
</table>

**CORN—Field Seed**

<table>
<thead>
<tr>
<th>Bushel 50 lbs. Catalogue Pages 6-7-8</th>
<th>Bu.</th>
<th>Per Bu.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. H. Co.'s Top Notch Cocek's Prolific</td>
<td>$3.15</td>
<td>$3.00</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Boome County White</td>
<td>2.40</td>
<td>2.25</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Hastings Prolific</td>
<td>2.90</td>
<td>2.75</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Long Llama</td>
<td>3.25</td>
<td>3.10</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Mammoth Golden Dent</td>
<td>2.80</td>
<td>2.65</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Mexican Native</td>
<td>2.90</td>
<td>2.75</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Mosby's Prolific</td>
<td>3.50</td>
<td>3.30</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch North Carolina Prolific</td>
<td>2.90</td>
<td>2.75</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch White Dent</td>
<td>3.00</td>
<td>2.85</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Gourd Seed White Red Cob</td>
<td>3.15</td>
<td>3.00</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Paymaster</td>
<td>2.90</td>
<td>2.75</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Charles White Red Cob</td>
<td>2.80</td>
<td>2.65</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Snowflake Southern</td>
<td>2.40</td>
<td>2.25</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Tails White Dent</td>
<td>2.90</td>
<td>2.75</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Reineck Alpac</td>
<td>2.80</td>
<td>2.65</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Woodruff Mosby</td>
<td>2.90</td>
<td>2.75</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Silver Mine</td>
<td>2.40</td>
<td>2.25</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Yellow Gold Mine</td>
<td>2.75</td>
<td>2.55</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Jarvis Golden Prolific</td>
<td>2.80</td>
<td>2.65</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Heids Early Yellow Dent</td>
<td>2.40</td>
<td>2.25</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch 90 Day Ea. Yellow Dent</td>
<td>2.75</td>
<td>2.55</td>
</tr>
<tr>
<td>R. H. Co.'s Top Notch Sure Crops</td>
<td>3.15</td>
<td>3.00</td>
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</tbody>
</table>

**HARPETH VALLEY SEED CORN**

<table>
<thead>
<tr>
<th>Catalogue Page 9</th>
<th>Per Bu.</th>
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<tbody>
<tr>
<td>Harpeth Valley Champion White Dent</td>
<td>$2.80</td>
</tr>
<tr>
<td>Harpeth Valley Early Yellow Dent</td>
<td>$2.80</td>
</tr>
<tr>
<td>Harpeth Valley Giant Tennesse Red Cob</td>
<td>2.80</td>
</tr>
<tr>
<td>Harpeth Valley Hickory King</td>
<td>2.80</td>
</tr>
<tr>
<td>Harpeth Valley Paymaster</td>
<td>2.80</td>
</tr>
<tr>
<td>Harpeth Valley Hastings Prolific</td>
<td>2.90</td>
</tr>
<tr>
<td>Harpeth Valley Large Yellow Dent</td>
<td>2.80</td>
</tr>
<tr>
<td>Harpeth Valley Musky Prolific</td>
<td>2.80</td>
</tr>
</tbody>
</table>

**COMMERCIAL GRADE SEED CORN**

<table>
<thead>
<tr>
<th>Commercial Mexican June</th>
<th>Ask Price</th>
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<tbody>
<tr>
<td>Commercial Mosby Prolific</td>
<td>$2.15</td>
</tr>
<tr>
<td>Commercial Early White Dent</td>
<td>1.65</td>
</tr>
<tr>
<td>Commercial Paymaster</td>
<td>1.75</td>
</tr>
<tr>
<td>Commercial St. Chas. White Red Cob</td>
<td>1.65</td>
</tr>
<tr>
<td>Commercial Early White Red Cob</td>
<td>1.65</td>
</tr>
<tr>
<td>Commercial Silver Mine</td>
<td>1.75</td>
</tr>
<tr>
<td>Commercial Gold Mine</td>
<td>1.75</td>
</tr>
<tr>
<td>Commercial Early Yellow Dent</td>
<td>1.65</td>
</tr>
</tbody>
</table>

**COTTON SEED—Grown by Delta Pedigreed Seed Association.**

<table>
<thead>
<tr>
<th>Catalogue Pages No. 4-5.</th>
<th>Bu.</th>
<th>100 lbs.</th>
</tr>
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<tbody>
<tr>
<td>Delta Pedigreed Seed Assn. Missel No. 1</td>
<td>$6.25</td>
<td></td>
</tr>
<tr>
<td>Delta Pedigreed Seed Assn. Missel No. 2</td>
<td>6.00</td>
<td></td>
</tr>
<tr>
<td>Delta Pedigreed Seed Assn. Delfos No. 410</td>
<td>6.00</td>
<td></td>
</tr>
<tr>
<td>Delta Pedigreed Seed Assn. Delfos No. 911</td>
<td>6.00</td>
<td></td>
</tr>
<tr>
<td>Delta Pedigreed Seed Assn. Delfos No. 9002</td>
<td>6.00</td>
<td></td>
</tr>
<tr>
<td>Delta Pedigreed Seed Assn. Delfos No. 1374</td>
<td>6.00</td>
<td></td>
</tr>
</tbody>
</table>

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**COTTONSEED—Culled and Graded**

<table>
<thead>
<tr>
<th>Catalogue Pages 2-3.</th>
<th>Bu. 32 lbs. packed 100 lbs. bags</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. H. Co.’s Top Notch Acana No. 5</td>
<td>$4.40</td>
</tr>
<tr>
<td>R. H. Co.’s Top Notch Half &amp; Half</td>
<td>3.90</td>
</tr>
<tr>
<td>R. H. Co.’s Top Notch Rowden 40 Big Boll</td>
<td>4.90</td>
</tr>
<tr>
<td>Peache</td>
<td>4.40</td>
</tr>
<tr>
<td>R. H. Co.’s Top Notch Humco Cleveland 29</td>
<td>4.40</td>
</tr>
<tr>
<td>R. H. Co.’s Top Notch Acana No. 5-7</td>
<td>4.40</td>
</tr>
<tr>
<td>R. H. Co.’s Top Notch Wilson Type Big Boll</td>
<td>4.40</td>
</tr>
</tbody>
</table>

**GRASS SEEDS—Top Notch Brand**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bernstein's Grass</td>
<td>$4.50</td>
</tr>
<tr>
<td>Carpet Grass, bu. 30 lbs.</td>
<td>2.50</td>
</tr>
<tr>
<td>Chicken Pasture Mixture, bu. 40 lbs.</td>
<td>1.15</td>
</tr>
<tr>
<td>Dallas Grass, bu. 10 lbs.</td>
<td>6.00</td>
</tr>
<tr>
<td>Domestic Yee Grass, bu. 30 lbs.</td>
<td>1.50</td>
</tr>
<tr>
<td>Evergreen Lawn Grass, bu. 21 lbs.</td>
<td>3.20</td>
</tr>
<tr>
<td>Kentucky Blue Grass, bu. 21 lbs.</td>
<td>2.80</td>
</tr>
<tr>
<td>Orchard Grass, bu. 14 lbs.</td>
<td>2.40</td>
</tr>
<tr>
<td>Pasture Grass, No. 5-1-3, bu. 25 lbs.</td>
<td>2.25</td>
</tr>
<tr>
<td>Red Top Herb's Grass, bu. 30 lbs.</td>
<td>2.30</td>
</tr>
<tr>
<td>Shade Spot Lawn, bu. 20 lbs.</td>
<td>4.50</td>
</tr>
<tr>
<td>Timothy Seed, bu. 45 lbs.</td>
<td>1.00</td>
</tr>
<tr>
<td>Timothy &amp; Alyske Mixed, bu. 50 lbs.</td>
<td>2.25</td>
</tr>
</tbody>
</table>

**KAFFIR CORN, MILO, Etc.**

<table>
<thead>
<tr>
<th></th>
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</tr>
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<tbody>
<tr>
<td>Egyptian Wheat or Shaliu</td>
<td>$1.25</td>
</tr>
<tr>
<td>Darso</td>
<td>.70</td>
</tr>
<tr>
<td>Red Kaffir Corn</td>
<td>.80</td>
</tr>
<tr>
<td>Shokr Kaffir</td>
<td>.80</td>
</tr>
<tr>
<td>White Kaffir Corn</td>
<td>.75</td>
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</tbody>
</table>

**MILLET SEED**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Hungarian Millet, bu. 45 lbs.</td>
<td>$1.00</td>
</tr>
<tr>
<td>Japanese Barn Yard Millet, bu. 40 lbs.</td>
<td>.90</td>
</tr>
<tr>
<td>Tennessee Golden Millet, bu. 50 lbs.</td>
<td>.90</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS FIELD SEEDS**

<table>
<thead>
<tr>
<th>Catalogue Page 17.</th>
<th>Peck Bu. 100 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Medic, bu. 60 lbs.</td>
<td>$4.40</td>
</tr>
<tr>
<td>Broom Corn Mo. Evergreen, bu. 46 lbs.</td>
<td>$1.25</td>
</tr>
<tr>
<td>Buckwheat Japanese, bu. 50 lbs.</td>
<td>.75</td>
</tr>
<tr>
<td>Chufas, Earth Almond, bu. 40 lbs.</td>
<td>1.50</td>
</tr>
<tr>
<td>Gear, Dwarf Essex, bu. 50 lbs.</td>
<td>.90</td>
</tr>
<tr>
<td>Hispanic Red Lentil, bu. 25 lbs.</td>
<td>.60</td>
</tr>
<tr>
<td>Spanish, Swedish Winter, bu. 50 lbs.</td>
<td>.90</td>
</tr>
<tr>
<td>Spanish, Dwarf Essex, bu. 50 lbs.</td>
<td>1.25</td>
</tr>
<tr>
<td>Spanish, Dwarf Essex, bu. 50 lbs.</td>
<td>1.25</td>
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**OATS—Seed**

<table>
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<tbody>
<tr>
<td>Spanish Red Rust Proof</td>
<td>.95</td>
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**PEANUTS**

<table>
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<tr>
<th>Bu. 22 lbs. Catalogue Page 17.</th>
<th>Peck Bu. 100 lbs.</th>
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<tbody>
<tr>
<td>Spanish</td>
<td>.75</td>
</tr>
<tr>
<td>Tenn. Long Red</td>
<td>.70</td>
</tr>
<tr>
<td>Valence</td>
<td>1.35</td>
</tr>
<tr>
<td>White Virginia</td>
<td>.70</td>
</tr>
</tbody>
</table>
Prices on these items will be given on request. Tell us your wants when ready to buy.

SWEET POTATOES
Sold by measured hampers only. Cat. Page 37.
Shipped direct from our growers about March 15.

<table>
<thead>
<tr>
<th>Price</th>
<th>Bu.</th>
<th>Hmprs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified Nancy Hall, Seed Sweet</td>
<td>$1.75</td>
<td>$3.00</td>
</tr>
<tr>
<td>Certified Porto Rican Seed Sweet</td>
<td>$1.25</td>
<td>$2.00</td>
</tr>
</tbody>
</table>

SWEET POTATO SLIPS—Certified
Shipped direct from our growers by express only. Plants ready April 1st.

POPCORN—Seed
Catalogue Page 8.

<table>
<thead>
<tr>
<th>Price</th>
<th>50 lbs</th>
<th>100 lbs</th>
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</thead>
<tbody>
<tr>
<td>Japanese Rice</td>
<td>$1.25</td>
<td>$2.00</td>
</tr>
<tr>
<td>Queen's Golden</td>
<td>1.35</td>
<td>3.00</td>
</tr>
<tr>
<td>White Rice</td>
<td>1.25</td>
<td>2.60</td>
</tr>
<tr>
<td>Borden's Baby Rice</td>
<td>1.35</td>
<td>3.00</td>
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SAGRAIN AND SORGHUM SEED
Bu. 50 lbs. Catalogue Page 15.

<table>
<thead>
<tr>
<th>Price</th>
<th>100 lbs</th>
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<tbody>
<tr>
<td>Sagra, Recleaned</td>
<td>$1.75</td>
</tr>
<tr>
<td>Early Amber Sorgum, for fodder only</td>
<td>$1.65</td>
</tr>
<tr>
<td>Early Orange Sorgum, Fancy Recleaned</td>
<td>1.35</td>
</tr>
<tr>
<td>Honey or Sugar Drip</td>
<td>1.00</td>
</tr>
<tr>
<td>Japanese Honey, Fancy Recleaned</td>
<td>1.10</td>
</tr>
<tr>
<td>Red Top or Simue, Fancy Recleaned</td>
<td>0.90</td>
</tr>
<tr>
<td>Tango Seed Ribbon Cane, Fancy Recleaned</td>
<td>1.00</td>
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</table>

SPECIAL NOTICE—We have selected our syrup cane seeds with special care from the very best source, but it is humanly impossible to guarantee a syrup crop.

SOY, VELVET AND MUNG BEANS
Bu. 60 lbs. Catalogue Pages 16-17.

<table>
<thead>
<tr>
<th>Price</th>
<th>Peck</th>
<th>Bu.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hiloix Soy Beans</td>
<td>.75</td>
<td>.80</td>
</tr>
<tr>
<td>George Washington Soy Beans</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>Laredo Soy Beans</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>Lixotan Soy Beans</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>Mammoth Yellow Soy Beans</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>Ohio Soy Beans</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>Tanoxi Soy Beans</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>Virilux Soy Beans</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>Early Speckled Velvet Beans</td>
<td>1.20</td>
<td>1.40</td>
</tr>
</tbody>
</table>

BAYER'S DIP DUST—SEMESAN

<table>
<thead>
<tr>
<th>Price</th>
<th>Peck</th>
<th>Bu.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEMESAN BEL</td>
<td>.75</td>
<td>.80</td>
</tr>
<tr>
<td>SEMESAN, JR.</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>For Corn</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>For Potatoes</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>SEMESAN</td>
<td>.75</td>
<td>.80</td>
</tr>
<tr>
<td>SEMESAN, JR.</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>For vegetable, flower seeds.</td>
<td>1.20</td>
<td>1.40</td>
</tr>
<tr>
<td>CEREAL</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>For sorghum, milo, oats, and other small grains.</td>
<td>1.20</td>
<td>1.40</td>
</tr>
</tbody>
</table>

CULTURES OR INOCULATIONS
Catalogue Pages 18-19.
R. H. Co.'s Top Notch Cultures and R. H. Co.'s Top Notch Dry Inoculant for Alfalfa and all Clover; specify crop when ordering.

<table>
<thead>
<tr>
<th>Price</th>
<th>Peck</th>
<th>Bu.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NITRAGIN</td>
<td>.75</td>
<td>.80</td>
</tr>
<tr>
<td>For Alfalfa and all clovers.</td>
<td>.75</td>
<td>.80</td>
</tr>
</tbody>
</table>

BEANS—Bush, Green and Wax Pod
60 lbs. to bu. Catalogue Page 22.

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Valentine</td>
<td>$1.65</td>
<td>3.50</td>
</tr>
<tr>
<td>Burpee's Stringless Green Pod</td>
<td>1.85</td>
<td>3.50</td>
</tr>
<tr>
<td>Full Measure</td>
<td>2.00</td>
<td>4.00</td>
</tr>
<tr>
<td>Giant Stringless Green Pod</td>
<td>1.95</td>
<td>3.75</td>
</tr>
<tr>
<td>Imp, Early Red Valentine</td>
<td>1.40</td>
<td>2.75</td>
</tr>
<tr>
<td>Long Fellow</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Refuse or 1000 to 1</td>
<td>1.95</td>
<td>3.90</td>
</tr>
<tr>
<td>Stringless Green Pod Refugee</td>
<td>1.95</td>
<td>3.40</td>
</tr>
<tr>
<td>Tenn. Green Pod</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Carver's Improved Proof Wax</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Improved Golden Wax</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Pencil Pod Wax</td>
<td>1.65</td>
<td>3.15</td>
</tr>
<tr>
<td>Prolific Black Wax</td>
<td>1.50</td>
<td>2.75</td>
</tr>
<tr>
<td>Round Pod Wax</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Sure Crop Wax</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Webber Wax</td>
<td>1.70</td>
<td>3.25</td>
</tr>
</tbody>
</table>

BEANS—Bush Lima
60 lbs. to bu. Catalogue Page 23.

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burpee's Imp. Bush Lima</td>
<td>$1.75</td>
<td>3.00</td>
</tr>
<tr>
<td>Fort Hook Bush Lima</td>
<td>2.10</td>
<td>4.00</td>
</tr>
<tr>
<td>Henderson's Bush Lima</td>
<td>1.50</td>
<td>2.75</td>
</tr>
<tr>
<td>Never Fall Bush Lima</td>
<td>1.75</td>
<td>3.40</td>
</tr>
<tr>
<td>Wood's Prolific Bush Lima</td>
<td>1.90</td>
<td>3.50</td>
</tr>
</tbody>
</table>

BEANS—Pole or Running
60 lbs. to bu. Catalogue Page 23.

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burpee's Stringless Green Pod</td>
<td>$1.60</td>
<td>2.75</td>
</tr>
<tr>
<td>Kentucky Wonder or Old Homestead</td>
<td>1.35</td>
<td>2.50</td>
</tr>
<tr>
<td>Kentucky Wonder Wax</td>
<td>1.70</td>
<td>3.20</td>
</tr>
<tr>
<td>R. H. Co.'s Ideal Pole Beans</td>
<td>1.00</td>
<td>1.50</td>
</tr>
<tr>
<td>Tennessee Wonder</td>
<td>1.70</td>
<td>3.00</td>
</tr>
<tr>
<td>White Creasback or Fat Horse</td>
<td>1.35</td>
<td>2.50</td>
</tr>
</tbody>
</table>

BEANS—Pole, Butter and Lima
60 lbs. to bu. Catalogue Page 23.

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carolina Sioux, Small Pole Butter</td>
<td>$1.65</td>
<td>3.20</td>
</tr>
<tr>
<td>Carolina superb Pole Butter</td>
<td>1.70</td>
<td>3.35</td>
</tr>
<tr>
<td>King of the Garden Lima</td>
<td>1.70</td>
<td>3.25</td>
</tr>
<tr>
<td>Large White Lima</td>
<td>1.75</td>
<td>3.05</td>
</tr>
<tr>
<td>White Leaf Lima</td>
<td>1.75</td>
<td>3.10</td>
</tr>
</tbody>
</table>

BEETS
Catalogue Page 24.

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crosby's Egyptian</td>
<td>.60</td>
<td>1.20</td>
</tr>
<tr>
<td>Detroit Blood Turnip</td>
<td>.60</td>
<td>1.20</td>
</tr>
<tr>
<td>Ex. Early Egyptian</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>Early Blood Turnip</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>Edmond's Blood Turnip</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>Eclipse Blood Turnip</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>Long Smooth Blood</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>R. H. Co.'s Early Wonder</td>
<td>.60</td>
<td>1.20</td>
</tr>
</tbody>
</table>

MANGEL AND SUGAR BEETS

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giant Feeding Sugar</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>Golden Tankard Mangel</td>
<td>.50</td>
<td>1.00</td>
</tr>
<tr>
<td>Mammoth Long Red Mangel</td>
<td>.50</td>
<td>1.00</td>
</tr>
</tbody>
</table>

CABBAGE
Catalogue Page 25.

<table>
<thead>
<tr>
<th>Price</th>
<th>Gal.</th>
<th>Peck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charleston Large Wakefield</td>
<td>$1.20</td>
<td>5.75</td>
</tr>
<tr>
<td>Copenhagen Market</td>
<td>2.00</td>
<td>4.50</td>
</tr>
<tr>
<td>Early Jersey Wakefield</td>
<td>1.20</td>
<td>5.75</td>
</tr>
<tr>
<td>Early Flat Dutch</td>
<td>1.20</td>
<td>5.75</td>
</tr>
<tr>
<td>Golden Acre</td>
<td>1.50</td>
<td>3.75</td>
</tr>
<tr>
<td>Large Late Drumhead</td>
<td>1.15</td>
<td>2.50</td>
</tr>
<tr>
<td>Large Late Drumhead S. boy</td>
<td>1.15</td>
<td>2.50</td>
</tr>
<tr>
<td>R. H. Co.'s Eureka</td>
<td>3.25</td>
<td>6.50</td>
</tr>
<tr>
<td>Succession</td>
<td>1.20</td>
<td>2.50</td>
</tr>
<tr>
<td>All Head Yellow Resistant</td>
<td>1.00</td>
<td>2.00</td>
</tr>
<tr>
<td>All Head Early Yellow Resistant</td>
<td>1.00</td>
<td>2.00</td>
</tr>
</tbody>
</table>

FROST PROOF CABBAGE PLANTS
Catalogue Page 25.
Charleston Wakefield, Jersey Wakefield, Dutch, prices F.o.b. Memphis.

<table>
<thead>
<tr>
<th>Price</th>
<th>F.o.b.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charleston Wakefield</td>
<td>$2.00</td>
</tr>
<tr>
<td>Dutch</td>
<td>$6.75</td>
</tr>
</tbody>
</table>
### CANTALOUPE
Catalogue Page 31.

- Acme or Baltimore: $0.75, 1 lb; $3.25, 10 lbs
- Banana: $0.50, 1 lb
- Early Green Nutmeg: $0.75, 1 lb
- Hale’s: $0.75, 1 lb
- Hearts of Gold: $0.75, 1 lb
- Large Hackensack: $0.75, 1 lb
- Mammoth: $0.60, 1 lb
- Osage or Miller’s Crown: $0.75, 1 lb
- Pink Rocky Ford: $0.75, 1 lb
- Rockford: $0.75, 1 lb
- Superfecto: $1.25, 1 lb
- Tip Top Nutmeg: $0.75, 1 lb

### CARROTS

- Dauner’s Half Long: 1 lb, $0.65; 10 lbs, $5.00
- Half Long Scarlet Chantenay: 1 lb, $0.60; 5 lbs, $3.50
- Improved Long Orange: 1 lb, $0.60; 5 lbs, $3.50
- Yellow Belgian: 1 lb, $0.60; 5 lbs, $3.50

### COLLARDS

- Georgia White Cabbage: 1 lb, $0.45; 10 lbs, $2.00
- North Carolina Buncome: 1 lb, $0.45; 10 lbs, $2.00
- South Carolina or Georgia: 1 lb, $0.45; 10 lbs, $2.00

### CORN—Garden
Catalogue Page 27.

- 56 lbs. to bu, Catalogue Page 27.

- Blund’s Extra Early: Peck Bu., $1.00
- Early Golden Buttercup: Peck Bu., $1.00
- Early Golden Bantam: 1 lb, $0.10
- Country Gentleman: 1 lb, $0.75
- Golden Bantam: 1 lb, $0.75
- Golden Sunshine: 1 lb, $0.75
- Howling Mob: 1 lb, $1.00
- Mammoth Sugar: 1 lb, $0.75
- Sixty Day Make ‘Good: 1 lb, $1.25
- Whisbells Early White: 1 lb, $1.00

### CUCUMBERS
Catalogue Page 28.

- Chicago Pickle: 1 lb, $0.75
- Davis Perfect: 1 lb, $0.65
- Early Fortune: 1 lb, $0.65
- Early Green Cluster: 1 lb, $0.75
- Extra Early Green: 1 lb, $0.60
- Evergreen White Spine: 1 lb, $0.75
- Imp. Early White Spine: 1 lb, $0.75
- Imp. Long Green: 1 lb, $0.75
- Jersey Pickle: 1 lb, $0.75

### EGG PLANT—ENDIVE
Catalogue Page 29.

- Black Beast: Os., $1.00
- N. Y. Imp. Purple Egg Plant: 1 lb, $0.35
- Large Green Curled Endive: 1 lb, $0.15

### KALE—KOHL RABI, LEEK
Catalogue Page 29.

- Dwarf Green Curled Kale: 1 lb, $0.50
- Os., 1/2 lb: 1 lb, 1 lb
- Early White Vienna Kohl Rabi: London Flag Leek: 1/2 lb, 1 lb

### LETTUCE
Catalogue Page 30.

- Big Boston: 1/2 lb, $0.40
- iceberg: 1 lb, $0.60
- Large White Cabbage Head: 1 lb, $0.35
- Hanson Improved: 1 lb, $0.35
- New York or Wonderful: 1 lb, $0.50
- Prinzella: 1 lb, $0.35

### MUSTARD
Catalogue Page 34.

- Chinese Mommie: 1 lb, $0.15
- Southern Giant, Curled: 1 lb, $0.50
- Long Standing Giant, Curled: 1 lb, $0.35
- Japanese Mustard Spinach: 1 lb, $0.50
- White London: 1 lb, $0.35

### OKRA
Catalogue Page 34.

- Early Dwarf Green: 1 lb, $0.40
- Kleecky’s Favorite: 1 lb, $0.50
- Tall or Long Green: 1 lb, $0.60
- White Velvet: 1 lb, $0.50

### ONION SEED
Catalogue Page 34.

- Red Wetherfield, bu, 1 lb: $1.25
- Yellow Danver’s, bu, 1 lb: $1.50
- White Silver Skin, bu, 1 lb: $1.10
- White Mulhiller, bu, 1 lb: $1.25

### BERMUDA ONION PLANTS
Catalogue Page 34.

- Crystal White Wax Bermuda: 1000, $10.00
- Yellow or Straw Colored Bermuda: 1000, $1.00
- P.O. Planting Station in original crates, 6000: $3.90

### PARSLEY—PARSNIP
Catalogue Page 35.

- Champion Moss Curled Parsley: 1 lb, $0.75
- Champion Moss Parsley: 1 lb, $0.75
- Sugar or Hollow Crown Parsnip: 1 lb, $0.25

### PEAS—English Smooth
Bu, 60 lbs, Catalogue Page 36.

- Early: Peck Bu., $1.25
- Amer: Peck Bu., $1.25
- First and Best: Peck Bu., $1.25
- R. H. Co.’s First of All: Peck Bu., $1.25

### PEAS—Wrinkled
Bu, 50 lbs, Catalogue Page 36.

- American Wonder: $1.25
- Bliss Everbearing: $1.25
- Champion of England: $1.25
- Gradus or Prosperity: $1.25
- Hundred Fold: $1.25
- Laxton’s Progress: $1.25
- Little Marvel: $1.25
- Medeola’s Little Gem: $1.25
- Net’s Excelor: $1.25
- Telephone: $1.25
- Thos: $1.25

### PUMPKIN
Catalogue Page 37.

- Kentucky Yellow Field: $1.00
- King of the Mammoth: $1.00
- Stripped Cushaw: $1.00
- Small Sugar: $1.00
- Tennessee Sweet Potato: $1.00

### RADISH
Catalogue Page 38.

- Cartier or Shepard: $0.25
- Cooper’s Spangler: $0.25
- Early London Scarlet Short Top: $0.25
- Early Scarlet Globe: $0.25
- Early Scarlet Turnip: $0.25
- Earl’s Market Turnip White Tip: $0.25
- French Breakfast: $0.25
- Node: $0.25
- R. H. Co.’s Perfection White Tip: $0.25

### SALISFY—SWISS CHARD—SQUASH
Catalogue Page 39.

- Mammoth Saskatchewan Island Salsify: $1.75
- Lucullus Swiss Chard: $0.50
- Early White Bush Squash: $0.75
- Large Chard Squash: $0.75
- Giant Yellow Crookneck Squash: $0.90
- Mammoth White Bush Squash: $0.75
- Yellow Summer Squash: $0.90

### SPINACH
Catalogue Page 39.

- Bloomsdale Curled Savoy: $1.00
- King of Denmark: $1.50
- Long Standing Bloomsdale Savoy: $1.25
- New Zealand: $3.00

### TOMATO
Catalogue Pages 40-41.

- Acme Early: 1 lb, $1.25
- Aven Early: 1 lb, $1.25
- Bonny Best: $1.25
- Early Detroit: $1.25
- Gulf State Market: $1.25
- Livingstone Globe: $1.25
- Livingstone Globe Special Stock: $2.50
**CANNED MEAT—for Dogs and Puppies**

**POULTRY AND PIGEON FEEDS**

**SPRAY MATERIALS AND INSECTICIDES**

**MISCELLANEOUS FEEDS, etc.**

---

**RUSSELL-HECKLE SEED CO., MEMPHIS, TENN.**

`Sales Dept. and Store
26 South Front St.

Wholesale Warehouse
Linden Station

JANUARY 2, 1930`
SEASON OF 1930

"Every time that you make the year 1930 now with us a most satisfactory one, so let us pull together and make it so that not one of us has his part of the crop, whatever little it might be—your efforts are needed for the good of all of us.

If we can be of any service to our friends in the way of information dealing with any goods in our line, don't hesitate to call on us. The members of this firm, having spent a life time in the seed business in this section, possess expert knowledge which is of unlimited value to our customers. The mailing of seeds of the right quality and variety suited to each particular section are most important to the farmers. We specialize in heavy field seeds, purebred cotton seeds and high grade garden seeds and will be pleased at any time to give you any information needed for the growing of crops adapted to your section.

We take this opportunity of thanking our friends and customers for their generous patronage and hope to have a continuation of same. "Treat 'em Right" is our motto. Sincerely yours.

RUSSELL-HECKLE SEED CO.
J. T. Russell, Chas. E. Heckle.

NON-WARRANTY
Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productive- ness of any seeds, plants, bulbs or nursery stock they send and they will not be held responsible for the crop.

IN EXPLANATION
Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow planting, etc., all caused beyond our control; therefore it is impossible for us to guarantee success.

But you can take your seed home, examine them, treat them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are inferior represented, return them at once, and we will cheerfully refund your money. Our customers are satis fied.

INDEX
A Cotton For Every Need

Our customers require and demand more than one variety; in fact, since we sell planting seed all over the South, as soon as a new variety has proven its worth (very few of the many new varieties started finally "come through") and is available in commercial quantities, we have the seed to offer to our customers. We buy from breeders where their production is large enough or from growers who have planted such breeders' seed and have produced quantities large enough to supply our enormous requirements.

The Best of Each Variety

We keep constantly in touch with plant breeding work all over the South. As soon as a new variety has proven its worth (very few of the many new varieties started finally "come through") and is available in commercial quantities, we have the seed to offer to our customers. We buy from breeders where their production is large enough or from growers who have planted such breeders' seed and have produced quantities large enough to supply our enormous requirements.

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Machine Culled and Graded

We have the latest improved machinery installed in our own warehouses for cutting out hulls, loose cotton, trash, for removing immature seed, and blowing out all dirt. Therefore the seed we ship are plump, full weight, uniform seed, clean of all trash; easy to plant, come up to a uniform stand of strong vigorous plants (plump heavy seed produce strong plants—light plump full weight, uniform seed, clean of all trash; easy to plant, come up to a uniform stand of strong vigorous plants) Our culled and graded seed require less seed per acre to obtain a stand, which is a saving, and they produce more cotton per acre, which means more profit to you.

EXTRA EARLY MEDIUM BOLL VARIETIES

Wannamaker Cleveland

Wannamaker Cleveland is a short cotton, say 7/8 to one inch in length, and for about fifteen years this variety has stood the test of time, maintaining its popularity against all comers. In our opinion it is by far the best of the cottons of its length on the market today.

Wannamaker Cleveland does not make a "weedy" plant but is a compact and closely fruited plant that allows the sunlight to reach every portion of it. Such a plant puts on fruit quickly and matures its bolls very rapidly. We know of other cottons that have earlier blooms, but by mid-season Wannamaker Cleveland has usually set more lint cotton per stalk.

Wannamaker Cleveland has a medium sized boll that is easy to pick and an unusually large turn-out at the gin, about 37 or 38 per cent usually—only 1350 pounds being required to make a 500-pound bale.

Wannamaker Cleveland can be planted on any soil and will come nearer thriving under any and all conditions than any cotton we know of at present.

Our seed are culled and graded—the best obtainable anywhere.

Tested For Germination

Germination tests are made on all our seed, and a careful record kept. We offer no seed to anyone that we haven't every reason to believe is right. We do not leave such matters to chance.

Order Early!

You recall the scramble that ensued last April and May for planting seed. Unfortunately lots of farmers had to take what they could get and a great deal of it was mixed. All of these farmers will want to get pure seed this year—and there are literally thousands of them. There is not as much purebred planting seed available this spring as last—it is a known fact. Order early and get purebred seed—order early and pay less money than you will later on.

Car Lots a Specialty—Single Sack

Orders Just as Welcome

If a single bushel or a sack is all you need or can afford to buy this year, order it, by all means, and get that much of a start with Pure Bred Seed—prove to yourself that it pays.

We sell many carloads every year all over the South—one year we sold forty cars of one variety. We can furnish straight cars of one variety or mixed cars containing two or more varieties. We sold one dealer over 500 tons last year—consisting of five popular varieties.

Prices

LESS CAR LOTS: See Green Ink Quantity List in this catalog.

CAR LOTS: Ask for Special Price delivered your station. Write, wire or phone.

Half and Half

Most cotton buyers will tell you, not to plant Half and Half because it is very short in stature, and for about fifteen years this is why we have preferred other varieties; however, year after year some farmers plant nothing else, and get almost as much per pound for their cotton as any short cotton brings. They claim what they lose in price they make in yield, so there you are. As long as a man makes money he doesn't care what name his cotton is called.

Half and Half has the best turn-out at the gin of any cotton—1200 pounds making a bale of 480 to 550 pounds. It is also an early cotton and a heavy producer. It would be foolish to plant it on rich Delta soil, but on creek bottoms or on poor land, it surely does earn its way.

Our seed are carefully selected, culled and graded and re-cleaned.

Quantity Prices

For Quantity Prices on Cotton Seed, see Green Ink List enclosed.
EXTRA EARLY BIG BOLL VARIETIES

Acala No. 5 The best cotton we know of among the 1 1/16 to 1 1/8 inch cottons. Cotton buyers everywhere are partial to Acala and it usually brings a premium over other cottons of same type. It has an extra strong, tough and silky fibre, which explains the premium in price.

We have seen Acala lint in constant demand among cotton buyers when longer and shorter staples were left on the tables. Acala has quite a large boll, yet it is an early maturing cotton; it is easy to pick, yet storm resistant, and one of the best drought-resistant varieties we know of. Lint percentage runs usually 35 to 37 per cent, another advantage over staple cottons.

On the rich black heavy soils Acala is inclined to make considerable stalk so probably Delfos cottons are better there, but on the other soils, particularly sandy type soils, Acala is unbeatable, and we have seen some remarkable yields per acre with it.

We know of other cottons that have earlier blooms and possibly show a few open bolls first, but when it comes to ginning, Acala has as many bales ready as the most of them.

QUANTITY PRICES: For quantity prices on Cotton Seed, see Green Ink List in this catalogue.

Delta Pine Land No. 4 Originated by the Delta Pine Land Co. in the Mississippi Delta and bred up to a high state of perfection. It has produced remarkable results on the original plantations, and practically every purchaser is a "booster" after picking his first crop of D. P. L. No. 4.

D. P. L. No. 4 is a medium-sized plant of medium foliage, has medium large boll which is easy to pick, yet has remarkable storm-resistant qualities, a very desirable quality in a cotton. The out-turn at the gin is 37 to 40 per cent, which means 1350 pounds seed cotton will make over a 500-pound bale. G. P. L. No. 4 pulls usually 1 inch full to 1 1/16 inches, is very early maturing, not so far behind Delfos in earliness, and is a consistent producer of large yields wherever planted.

Rowden 40 An improved strain of Rowden, very large boll, easy to pick and yet storm-resistant. Maturity is early; lint percentage averages 35, length 1 1/16 to 1 1/10 inches, very uniform, and very prolific yielder.

Stoneville No. 1 A new variety and a splendid one, very extra early, plants dwarfy and easy to pick; lint 1 1/16 to 1 1/10 inches, very easy to pick and yet storm-resistant; lint percentage 33 to 36 per cent.

Humco Cleveland 20 Originated by the Humphreys Coker Co., Cotton Breeders in South Carolina. A decidedly fine cotton, somewhat longer than Wannamaker, about 1 1/16 to a 1 1/8. This cotton has about superseded the old popular King's Early cotton in northern North Carolina, which is a tribute to its earliness, for quick maturity is a necessity up there.

Humco Cleveland 20 is a very uniform cotton in growth, medium foliage, medium stalk, large boll, easy to pick; easy picking cotton with lint percentage 37 to 39%. A very prolific producer.

Wilson Type Big Boll This variety is an Arkansas product—extra big bolls, staple an inch to 1 1/16 inches, lint percentage about 37 per cent, a cluster type where bolls are bunched together, making it easy to pick, early in maturity and a good yielder in the field.

FERTILIZER FOR COTTON

We are headquarters for Sulphate of Ammonia, Calcium Nitrate, Nitrate of Soda, Acid Phosphate, Kainit Potash Sells, and ready mixed fertilizers. You will find quotations on all of above on the Green Ink List enclosed. Special quotations made on car lots, either straight or mixed lots.

If we can be of any service to you as to your Fertilizer problems, don't fail to write us.

QUANTITY PRICES—For quantity prices on Cotton Seed, see Green Ink List enclosed.
LONG STAPLE COTTONS

We Are Distributors for
DELTA PEDIGREED SEED ASSOCIATION, Greenville and Clarksdale, Mississippi

We carry a full assortment of their different varieties in stock in our big warehouse in Memphis for less carload shipments. All seed are shipped in the original Association bags and bear Association certified tags, and are sold at exactly the same prices the Association charges, of course. On carload shipments we will usually ship from growing station direct.

Prices are very reasonable, and because the Association pedigreed seed are rated as the BEST, stocks will be rapidly sold out. Order from us now and avoid disappointment. See Green Ink Quantity Price List enclosed.

A Word About the Association and Its Aims

On January 3, 1923, a group of Delta planters, selected by Mr. W. E. Ayres of the Delta Experiment Station, met at Stoneville, Mississippi, and organized the Delta Pure Seed Co-operative Association which has this year changed its name to the Delta Pedigreed Seed Co-operative Association.

Their purpose was to promote the more general use of pedigreed seed of the high producing strains. The Association proposed to encourage the production and wider use of pure seed of the latest varieties. It has husbanded and increased on a large scale, the new and valuable strains of field seed as developed by the Experiment Stations of Mississippi A. & M. College and other reputable breeders. The members of this organization were selected for their splendid business reputation, record for looking after detail, ginning equipment and many other desirable characteristics.

How well the Association has succeeded in the purpose for which it was formed is a matter of record and a source of gratification to every cotton farmer who has purchased seed from them. After seven consecutive years of active production the Association seed are more in demand now than ever before, over an ever-widening territory.

All of the Association seed are produced, harvested and ginned under rigidly prescribed conditions. They are field-inspected by a qualified disinterested agronomist, approved by the Delta Experiment Station, who certifies as to the variety, purity and trueness to type. All seed are guaranteed clean, sound planting seed, 90 per cent or better germination. We can re-clean, curl and grade any seed at $5.00 per ton cost. This represents no profit to us.

We have the following outstanding strains of cotton from the Association to offer:

MISSDEL NO. 1 AND NO. 3,
DELFO 910, 911, 0002 AND 1374.

MISSDEL NO. 2
DELFO 6102-1341

Middel No. 1

(DELFOS 631-2458)

Missdel No. 1 is the most outstanding strain of big boll, extra early, extra staple cotton yet developed. Its characteristics are as follows:

Type—Semi-dwarf and very hardy. Maturity—Extra early. Productiveness—Unusually prolific and close-fruiting on limbs for a big-bollled cotton. Boll size—55 to 60 per pound. Highly storm-resistant—Selected for bolls to hang down. Lint percentage—35 to 38 per cent. Staple extra-long—33 to 35 seconds inches full.

This cotton is a proven money-maker and the best picking cotton we know of. Labor can pick 47 per cent more Missdel No. 1 than old Delta 6102. This cotton is especially adapted to Delta and bottom lands. For your information we might add that Missdel No. 1 and No. 3 are the most outstanding strains of cotton of their distinct characteristics, to pass through the experiments at the Delta Experiment Station.

We would like for every person interested in extra-quality, big-bollled cotton to see some Missdel No. 1 growing. The Association is growing practically all the Middel No. 1 that will be for sale this year and offers it at a surprisingly low price.

MISSDEL NO. 2

(DELFOS 6102-1341)

Missdel No. 2 is the earliest, most prolific, medium-sized boll strain of Delfos ever developed. Over a period of years it has out-ranked all others in money value and has the following characteristics:

Type—Open, spreading, semi-dwarf stalk with small leaves. Maturity—The earliest we know of. Boll size—75 to 80 per pound. Productiveness—The most prolific and close-fruiting of all staple cottons. Highly storm-resistant. Lint percentage—34 to 36 per cent and better. Staple—One and one-eighth inches to one and three-sixteenths inches full.

We believe this will in time become one of the most widely grown strains of cotton yet developed. Unless a better cotton is developed, it will rapidly replace all strains of Delta 6102. Fourteen hundred and fifty pounds of seed cotton that is dry and properly picked will gin out a good five-hundred-pound bale. In the uplands a better lint percentage can be expected. On upland soil it has given a good type of one and one-sixteenth cotton.

Many so-called Missdel No. 2 seed will be offered, but at our unusually low prices you can not afford to buy from other than a known reputable source.

DATA ON NEW STRAINS OF COTTON FROM TIME SELECTED TO 1928

<table>
<thead>
<tr>
<th>Strain</th>
<th>Av. L.</th>
<th>Lint</th>
<th>Per Cent</th>
<th>Av. No.</th>
<th>Ro. Per Lb.</th>
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</thead>
<tbody>
<tr>
<td>Delfos 631-910</td>
<td>1 3/16</td>
<td>30.44</td>
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<tr>
<td>Delfos 6102-911</td>
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<td>31.90</td>
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<tr>
<td>Delfos 6102-4586</td>
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<td>70.7</td>
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<tr>
<td>Delfos 6102-1341</td>
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<td>32.56</td>
<td>65.6</td>
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<tr>
<td>Delfos 6102-2103</td>
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<td>31.73</td>
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<td>Delta 6102-0603</td>
<td>1 7/32</td>
<td>33.35</td>
<td>58.8</td>
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</table>

From the above description based on figures furnished by the Delta Experiment Station of Stoneville, Miss., you can see the characteristics of the cotton we offer. The lint per cent is net with no bagging and ties included as is usually done.

PRICES—See Green Ink Quantity Price List enclosed.
Delta Pedigreed and Certified Cotton Seed of Known Source and Proven Value

A field of Delta Pedigreed Seed Association late strain of Delfos

Delfos 910
(Delfos 631 Selection)
This strain is too well known to need any detailed description. It has large bolls, 65 to 70 per pound, a most desirable staple of one and three-sixteenths inches to one and seven thirty-seconds inches full, 32 to 33 per cent lint, is highly storm-resistant, vigorous, extra early and very prolific. As a general-purpose cotton it cannot be beaten. Our growers are reluctant to give up Delfos 910 for any later strains.

This strain has every desirable characteristic of old Delfos 631 and many improvements in addition. It is very hardy and thrifty and especially adapted to thin, sandy soils where nitrates are used.

Delfos 911
(Delfos 6102 Selection)
This is the cotton that set a mark for all breeders to try to beat as a money maker. It is extra early, has medium sized bolls, 75 to 80 per pound, 32 to 33 per cent lint, one and three-sixteenths inches staple, is highly storm-resistant and most prolific.

Over a long period of years it has led all varieties of cotton in money value in the State of Mississippi and at many other experiment stations. It has shown up outstandingly well in the uplands and will mature earlier than any other cotton we know of except Missdel No. 2.

For the upland cotton sections this is certainly a proven cotton, and we are daily receiving letters of commendation from the western part of the cotton belt as to the splendid results secured. If you have Delfos 911 and the seed have deteriorated, we can supply you with seed identical in quality with your original seed.

Delfos 0602
(Delfos 631 Selection)
This big-bolled, extra early cotton is especially desirable for sections where a big boll cotton is necessary. It is a few days earlier than Delfos 910, 33 1/3 per cent lint, one and three-sixteenths inches staple, highly storm-resistant and of excellent picking qualities. We believe it to be of special value in Texas and the northern part of the cotton belt. We only have a few cars of this variety this year and would advise you to care for your requirements as soon as possible.

Reports of results are coming in from the western part of the cotton belt which proves this cotton to be of the highest value for that section. It takes only 65 bolls to the pound of seed cotton and is a wonderful picking strain.

Delfos 1374
(Delfos 631 Selection)
A peerless cotton, has large bolls, 55 to 63 per pound, is highly storm-resistant, vigorous but small leaves, good lint percentage, 32 to 33 1/3 and one and three-sixteenths inches full staple. It is extra early and very prolific. In fact, except for lint percentage this cotton will compare favorably with Missdel No. 1. It is one of the best picking cottons yet developed.

The Delfos 1374 seed we offer are selected by Mr. York of the Delta Branch Experiment Station, from the original Delfos 1374, and are an outstanding improvement as to boll size, type and lint percentage.

The Association has only one grower increasing this cotton and will offer only a limited supply.

Prices
The above four varieties of Delfos are offered at lowest prices the Association has ever sold any of their seed. This means a wonderful opportunity to get the very best seed available of these strains at reasonable figures.

See Green Ink Quantity Price List enclosed.

Calcium Arsenate
Recommended the surest and most inexpensive poison for Boll Weevil and Army Worms. Ask prices on car and less than car lots.

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies
Plant corn suited to your locality. Seed corn produces best results when planted under similar climatic and soil conditions. One corn is best for all soils and conditions. Our seed corn is grown by men informed on the newest and most successful methods of breeding. With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply each of our customers with the very best seed of the variety which is best adapted to his requirements. We have found that, as a rule, the Southern varieties give the best yields in our territory, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

**WHICH GRADE OF CORN DO YOU WANT?**

**R.-H. Co.'s Top Notch Corns** Which are selected by experienced people with the utmost care from well-matured, high-yielding fields, they are nubbed, tipped, and cleaned. Our sole purpose in spending so much time and labor on the selection of these seeds is to make them a superior and marketable product. They are recommended for general crop. It is pearly-white, small white, plump grains, which fill out to the end. Surecropper—it is a drouth resister and, therefore, as its name implies, a Sure crop. Order early to be sure we are not completely sold out.

**Commercial Grade Corns** Are cheaper in price—they are worth the price asked, but are not as carefully selected, nor nubbed and tipped like our Top Notch Corns. Our Commercial Grade Corns are carried to meet the lower price competition, for price is first consideration with some buyers. Commercial Grade Corns are rarely sold, and the price of any corns selling at same price, and better than most.

See Green Ink List enclosed for prices on Commercial Grade Corns.

**R.-H. Co.'s Top Notch Sure Cropper**

This is a selection from the original Mosby Prolific, and introduced claims that it will make two ears to the stalk as close again as any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a southern corn, and is recommended for general crop. It is evenly lined on a white cob of good size, often attaining 6 inches in circumference, carry 16 rows of corn three-eighths inch in diameter. It has consistently yielded three to five ears to the stalk and is a good idea of the increased corn yield possible planting this well-bred variety. It is pure white, a prolific corn that you will be rewarded with. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

**R.-H. Co.'s Top Notch Hickory King**

The grain is so wide and deep and the cob so small that often a single grain will cover the end of a broken cob. It has been called the Poor Man's Corn because it can be depended upon to produce a crop on poor, thin land. On good land it bears two ears to the stalk. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

**R.-H. Co.'s Top Notch Cocke's Prolific**

One of the most prolific corns in existence; the stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to the ear tightly, protecting it from birds and insects, and preventing loss in wet seasons. Matures in 120 to 130 days. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

**R.-H. Co.'s Top Notch North Carolina Prolific**

A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. Qt. 40c; 4 qts. 95c postpaid. Not prepaid, qt. 30c; 4 qts. 75c.

**QUANTITY PRICES—See Green Ink Price List for quantity prices on Seed Corn**

1930 CALENDARS FREE

When you order any goods, if you request it, we will be pleased to mail you one of our "Year at a Glance Calendars."
CORN IS A SAFE CROP to plant and is at present more profitable than it has ever been. The cost of production has not increased so much as for cotton. The boll weevil makes it necessary to cultivate cotton for only a few places every year. Corn, with velvet beans planted close to the corn, and peas or soja beans planted in the middles when the corn is laid by, is one of the most prolific crops that can take the place of the cotton and on many farms this combination has proven more profitable than cotton.

**R.-H. Co.'s Top Notch Early White Dent**

Selected with the idea of furnishing our customers a dependable and extra productive, early-maturing variety. Grains white, of medium size, cob white, ear 10 to 12 inches long, stalk of medium height. A fine White Corn for general crop, earlier than most standard varieties. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

**R.-H. Co.'s Top Notch Boone County White**

Boone County is a very large white corn, something like Silver Mine, but larger and later in maturing. It is well suited to all our Southern States as it ripens earlier than the native corns and at the same time will not be forced ahead too rapidly, owing to its slow growing tendencies. Ears well filled out at both butt and tip ends, of large size and well proportioned. 8 to 11 inches in length, averaging twenty rows. The grain is very deep and a little rough, cobs white and of medium size. Boone County is a show corn, and has won many premiums at corn shows all over the country. Matures in about 110 days. Qt. 40c; 4 qts. 95c; postpaid. Not prepaid, qt. 30c; 4 qts. 70c.

**R.-H. Co.'s Top Notch St. Charles White Red Cob**

The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days. Qt. 40c; 4 qts. 95c; postpaid. Not prepaid, qt. 30c; 4 qts. 70c.

**R.-H. Co.'s Top Notch Snow Flake White Dent**

Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. Qt. 40c; 4 qts. 95c; postpaid. Not prepaid, qt. 30c; 4 qts. 70c.

**R.-H. Co.'s Top Notch Tennessee White Red Cob**

An extra large field corn; grains long, broad and evenly lined on the red cob. The ears of this corn will cut corn as one of the long and have from 18 to 20 rows. It is a rather late-maturing sort, but for bottom land and main crop this corn cannot be excelled. This is not only one of the largest, but also the most satisfactory and heavy yielding varieties for the southern farm. Its origin is southern, its reputation is southern and its nature is southern. It is similar in type to the well-known Tennessee White, Red Cob, but the ears are not as large and it produces two to the stalk. Matures in about 110 days. Qt. 40c; 4 qts. 95c; postpaid. Not prepaid, qt. 30c; 4 qts. 75c.

**R.-H. Co.'s Top Notch Paymaster**

We indorse this variety. It is not only one of the largest, but also the most satisfactory and heavy yielding varieties for the southern farm. Its origin is southern, its reputation is southern and its nature is southern. It is similar in type to the well-known Tennessee White, Red Cob, but the ears are not as large and it produces two to the stalk. Matures in about 110 days. The cob is smaller, has well-filled butts and tips and will shell more corn than the Tennessee. The grain is deep white, the cob is bright red, the type is standard and popular and the yield is amazing. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 30c; 4 qts. 75c.

**R.-H. Co.'s Top Notch Silver Mine**

Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small white cob. Matures in 100 days. Qt. 40c; 4 qts. 95c; postpaid. Not prepaid, qt. 30c; 4 qts. 70c.

The following are the prices for the various grades of the above varieties:

- **SEMESAN**—This modern disinfectant can be applied in either the liquid or convenient dust form as now made, to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed pieces, plants, grafts and soils.

- **SEMESAN JR. CORN DISINFECTANT**—1 lb. $1.75; 5 lbs. $8.00. Semesan is not mailable.

**THE PREMIER SEED CORN DISINFECTANT**

**SEMESAN**—This modern disinfectant can be applied in either the liquid or convenient dust form as now made, to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed pieces, plants, grafts and soils.

**SEMESAN JR. CORN DISINFECTANT**—1 lb. $1.75; 5 lbs. $8.00. Semesan is not mailable.

**FREE DESCRIPTIVE BOOKLETS**—For quantity prices of Seed Corn, see Green Ink Price List enclosed.
R.-H. Co.'s Top Notch Mexican June Corn
This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 6 feet long. The roots run deep and spread, so that it is splendid drought resistant. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and always considerable blue grains, making a very attractive ear. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

R.-H. Co.'s Top Notch Gold Mine
Large ears; grains a bright golden-yellow; matures in about 100 days. Qt. 10c; 4 qts. 95c; postpaid. Not prepaid, qt. 30c; 4 qts. 75c.

R.-H. Co.'s Top Notch Reid's Early Yellow Dent Corn
This is a leading standard yellow variety originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. Color, deep yellow, with lighter cap. Grain deep, closely packed; butts and tips almost entirely covered over. Matures in from 110 to 120 days. It will succeed anywhere any other corn will grow. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 30c; 4 qts. 75c.

R.-H. Co.'s Top Notch Strawberry Seed Corn
This is a very popular variety and always does well in this section and other southern states. The ears are large, usually from 8 to 12 inches, with strawberry colored striped kernels. The ears contain from 12 to 16 rows of grain and the cob is red. It is a fine all-purpose corn and a heavy yielder. Matures in from 125 to 130 days. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

R.-H. Co.'s Top Notch Early Yellow Dent
When you desire an early maturing, yellow corn, buy R.-H. Co.'s Early Yellow Dent. It is a hardy, very productive and desirable all around. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Corn

March 24th, 1929.

R.-H. Seed Co., Memphis, Tenn.

Gentlemen: Please send by return mail your 1929 seed catalog. We have missed your catalog as we like your seeds and get more value for the money from them than anyone else. Respectfully yours,

S. W. D. BAILEY
Monett, Ark., Rt. No. 1, Box 41.
A native southern yellow corn—carefully bred—and one that bears two good ears to the stalk. The stalk is rather dwarf, 6 to 8 feet high, and does not fall down in stormy weather. Grains are a deep golden-yellow; ears are firm and solid, about 7 to 10 inches long. This is a very productive and desirable variety, and is drought resistant. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

HARPETH VALLEY SEED CORNS
We are proud of Harpeth Valley Corns. They are selected and handled right; they are what seed corn should be, and you will say so when you see them. Each bag is field selected, carefully graded, rubbed and tipped before shelling, then machine graded and thoroughly cleaned. A sample ear is placed in top of each full 2-bushel bag.

R.-H. Co.'s Top Notch Jarvis Golden Prolific
R.-H. Co.'s Top Notch Jarvis Golden Prolific

Harpeth Valley Champion White Dent
Ears of good length, symmetrical and well filled; cob medium, grain snow-white, solid and slightly dent. Matures in 90-100 days, and Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Early Yellow Dent
Matures in 90 days; ears 10 inches in length, especially adapted to our Southern soil. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Large Golden-Yellow Dent
Produces very large, long ears, grain deep, golden-yellow, set on a medium cob. Ripens in 100 days. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Giant Tennessee Red Cob
One of the largest and heaviest Southern corns; does well on rich soil. Grain pure white, very large and deep. One of the best corns for ensilage purposes. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Mosby Prolific
One of the best white prolific varieties. On good soil Mosby Prolific produces 2 to 3 good size ears that will average 10 inches in length; grain white, very deep and set on a very small cob. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Hickory King
This is extra select stock of this well-known large grain variety. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Hasting's Prolific
One of the largest and heaviest Southern corns; does well on rich soil. Grain pure white, very large and deep. One of the best corns for ensilage purposes. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Paymaster
This is especially good stock of this splendid variety. Paymaster is especially fine for our soil in this section; always produces two good ears to each stalk. Qt. 45c; 4 qts. $1.00; postpaid. Not prepaid, qt. 35c; 4 qts. 75c.

Harpeth Valley Mosby Prolific

QUANTITY PRICES—See Green Ink Price List enclosed for quantity prices on Corn

FOR PRICES OF ALFALFA, SWEET CLOVER, AND OTHER FIELD SEEDS
Please do not overlook the Green Ink List which is enclosed with this catalog. This list gives the current prices of Alfalfa, Sweet Clover, Blue Grass, Grass Seed Mixtures, Poultry Feeds, and Insecticides.

We make a specialty of Alfalfa Seed and can supply seed which is best adapted to the condition of your locality. We will consider it a favor if you will send us samples to show you the quality of our seed.
Russell-Heckle’s Farm Seeds

**TOP NOTCH QUALITY SEEDS MEAN BETTER CROPS**

The most vital need of those who depend for their living on the products of the soil is pure seed, not mixed with noxious weed seed, and of high germination quality. Our Top Notch brand was originated to designate seed stocks filling just that need, and their dependability is responsible for their popularity.

"Top Notch" on a bag of our seed is not an excuse to get more money—rather is it a guarantee to the purchaser that the seed in that bag have been chosen from among hundreds of other lots because a careful investigation discloses their superiority. Should we buy the cheapest lots of seed offered us daily, we could sell to you for less money, but you would load your fields with weeds and pests that would cost you many times more than the price of our Top Notch brand seeds, and cost you untold hours of worry.

Top Notch brand on the seed you plant means bigger crops and more profit to you. To us it means satisfied customers who tell their friends about us, which in turn means more friends for us. It's an endless chain, and Top Notch Seeds form the links.

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Top Notch brand on the seed you plant means bigger crops and more profit to you. To us it means satisfied customers who tell their friends about us, which in turn means more friends for us. It's an endless chain, and Top Notch Seeds form the links.

Inoculation is necessary, using two to three tons to the acre.

**CULTURE**—The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Seedlings are best when planted in the spring, March and April, or in the fall, September and October, are successful.

**PREPARATION OF SOIL**—Good loam or clay with natural or artificial drainage, with no hardpan underneath, will grow Alfalfa. Where the soil is acid, and that is the case in most instances, liming is necessary, using two to three tons to the acre.

R.-H. Co.’s Top Notch Western Alfalfa

This seed is produced in the West farther south than Idaho and Utah, and our stock this spring is the latest crop of highest germinating strength and purity, which is very, very fine. We have sold thousands of pounds of this seed throughout the South where it has given splendid results. It costs less because it is not so difficult to produce as seed in the more northern states. 1 lb. 35c; postpaid.

R.-H. Co.’s Dakota No. 12 Alfalfa

Practically every pound of this strain of Alfalfa was exhausted last year because of the enormous demand for the seed. This is the best evidence we can offer of its true value. South Dakota is the home of this Alfalfa, where the temperature drops way down below zero every winter. Practically every pound of this strain of Alfalfa was exhausted last year because of the enormous demand for the seed. This is the best evidence we can offer of its true value. South Dakota is the home of this Alfalfa, where the temperature drops way down below zero every winter. Seed that withstands such a severe test as that can readily be seen to have outstanding advantages. We have never sold Dakota No. 12 Alfalfa to any man who expressed other than extreme pleasure over results. An exceptionally productive Alfalfa. 1 lb. 30c; postpaid.

For Quantity Prices on Alfalfa, see Green Ink Price List enclosed.

WHY INOCULATE?

Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay it many times.

The big benefit comes in the value added to your land. The roots of the Alfalfa are the home of the inoculated bacteria, that draw the fertility-building nitrogen from the air and store it in swellings on the roots called nodules. These nodules not only feed nitrogen to the plant, but rot away in the ground to supply valuable nitrogen to all future crops of all kinds.
Lespedeza or Japan Clover is a promising crop throughout the Middle and Southern States. It grows practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturage much relied upon. It is planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain if you like. If sown on sod, the land should first be scoured with a disk harrow in order to give the seed a good seed bed. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. We offer cleaned rancaft seed. 1 lb. 45c; postpaid.

Kobe Lespedeza is a new and improved type of Lespedeza, which grows much ranker and has larger leaves and slightly coarser stems. It is similar to the common or wild variety except that it is taller and more upright in growth, completely holding all the branches off the ground, even when the plants stand alone. It is finer stemmed than either Korean or Kobe, and grows to the height of nearly three feet under favorable conditions. It blooms slightly later than Kobe and considerably later than Korean or common. It is worth mentioning that the seed ripens in September and the plants are dead in October. The seed are similar in appearance to common Lespedeza, but are nearly twice as large. An excellent variety for pasture and hay and a great improvement over the common Lespedeza. 1 lb. 85c; postpaid.

Korean Lespedeza is a new variety and the earliest Lespedeza to come into bloom. It comes up early in the spring, and grows off rapidly, furnishing much earlier pasture than any other variety. The leaves are larger than common Lespedeza, and more rounded. Begins flowering in July, the flowers crowding the leaves. Leaves are darker than those of the common varieties, which have flowers scattered along the stems. The flowers are earlier and lighter in color than other varieties. The seeds are slightly larger than common Lespedeza, very dark in color and flattened on the sides. Korean is especially well suited for a short growing season. The seed ripen in September and the plants are dead in October. 1 lb. 75c; postpaid.

Lespedeza No. 76 or Tennessee Station 76 This variety is similar to the common or wild variety. It grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 10 to 12 pounds to the acre. 1 lb. 50c; postpaid.

Red Clover This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for every farmer. It produces two crops each year. The first is usually harvested when it is in bloom. The second crop may be harvested for seed, out for hay or plowed under to add fertility to the soil. Will grow in most any soil. Sow the last crop in April, broadcast 10 pounds of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. 1 lb. 90c; postpaid.

White Sweet Clover or Mellilotus As a land builder it has few equals. Does well on soils containing lime. It resembles Alfalfa legend but has the habit of growth when young; however, it grows much larger than Alfalfa. It is valuable in the bringing up of old, waste and wornout soils and thrives well even on extremely poor soils. If plowed under it adds humus and nitrogen to the soil, or if simply left, to grow up and drop back for a few years the decaying stalks and roots will do wonders for the land. The deep roots break up, aerate and drain stiff subsoils and add humus. Its feeding value is high, about equal to Alfalfa. Valuable as a pasture and in spite of its bitter taste, stock learn to like it. Sow early in the spring or fall, the rate of 15 to 20 pounds per acre. 1 lb. 15c; postpaid.

Yellow Blossom Sweet Clover This variety is similar to that of the White Blossom, but is not nearly so valuable as a nitrogen or humus builder and is more especially adapted as a hay or pasture. It is not a rank grower; more on the order of Alfalfa. For those who wish to use Sweet Clover for pasture, hay and bee purposes, we would advise the use of the Yellow Blossom type. 1 lb. 35c; postpaid.

Alskie Clover Alskie Clover grows thicker and is more of the Red Clover type. It makes better hay and probably more and better grazing. It is also harder, resisting extremes of heat and drought and also severe cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff, wet bottom lands. 1 lb. 45c; postpaid.

Mammoth Sapling or Peavine Clover Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 5 to 6 pounds to the acre. 1 lb. 60c; postpaid.

White Dutch Clover is used principally for lawns, a small proportion in permanent pasture often fills up many a bare spot and produces valuable grazing for all kinds of livestock. It is very hardy and will thrive on almost any soil. Sow either in the spring or fall at the rate of 15 to 20 pounds per acre. 1 lb. 55c; postpaid.

Crimson Clover Makes excellent green foliage, or hay if cut when in bloom. Especially valuable for haying, making a quick, heavy and very valuable crop for haying when used. Sow 10 to 15 pounds to the acre from July to November. 1 lb. 40c; postpaid.

Burr Clover Sown in July, August and September, makes superior pasturage, fair hay, and grows on any thin land. Sow 10 to 12 pounds per acre. 1 lb. 50c; postpaid.

Black Medic A species of Clover from Georgia that is becoming recognized as a legume especially adapted to plow under for green manure. It is a valuable plant all during the winter and is the just the thing to build up run-down soil and will improve the yield of crops that are planted on the land the following spring. 1 lb. 50c; postpaid.

FOR QUANTITY PRICES on Clover Seeds, see Green Ink List enclosed.
**Russell-Heckle's Grass Seeds**

**Sudan Grass (A Wonderfully Quick-Growing Summer Hay Grass)—Yields two or more cuttings a season.** Makes a bigger and better crop than almost any other grass. It grows about two feet high, and the stalks are not thick. Stock eat it up clean—blades, stalks and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting.

Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown as late as September, and can be cut by October. One to two growing seasons are possible, but the seed should not be sown too early. The seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm. 1 lb. 25c; postpaid.

Sudan Grass requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm. 1 lb. 50c; postpaid.

**Carpet Grass (Paspalum Compression)**

Is an extensively creeping pale-green grass, rooting at the nodes, very few inches, and sending up numerous succulent tender stems, or branches, 6 to 8 inches high, which sown broadcast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the best results. It gives better results on richer soils, though like other grasses it thrives better the more it is cropped. It gives rich pastures furnished the first green bite in the spring and the last in the fall; is quick to recover from close cropping and even thrives under the most adverse conditions on soils un cultivable otherwise. It yields two or more cuttings a season. Ready to cut in about 45 days after the first cutting.

**Dependable Grass Mixture No. 1—**For Hay or Pasture. Recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Carpet Grass, Red Clover, Alfa, etc. Sow 30 to 35 pounds to the acre. 1 lb. 35c; postpaid.

**PASTURE MIXTURE NO. 2—** (Good Moist Soils). Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. 1 lb. 35c; postpaid.

**PASTURE MIXTURE NO. 3—** (Dry, Hilly Uplands). Sow 20 pounds per acre. Recommended for rolling ground, or where stones or sand in soil demand drought-resistant varieties. 1 lb. 35c; postpaid.

**PASTURE MIXTURE NO. 4—** (Shaded Pastures). Sow 25 to 30 pounds per acre. This is especially planned to suit the woods, which is often waste except for its timber. Get the seed on and into the ground when you leave on top of the leaves. The more open use the more seed. 1 lb. 35c; postpaid.

**TIMOTHY AND ALSIKE MIXED—Suitable mixture for wet land and turnschopped hay.** Sow 15 pounds per acre. 1 lb. 25c; postpaid.

**CHICKEN PASTURE MIXTURE—** A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. 1 lb. 20c; postpaid.

**Quantity Prices—** See Green Ink Price List enclosed for quantity prices on Grass Seeds.
Spade or plow grounds to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 5 inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary, then rake level and roll the soil well to make a solid bottom.

Scatter the seed evenly over the surface at the rate of 60 or 75 pounds to the acre. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is three inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed.

FERTILIZING

Nothing will give a lawn the rich, deep green velvety appearance so much admired like a liberal dressing of good fertilizer especially prepared with that in mind and we have several which we recommend for the lawn, one of the best of them being Vigoro.

QUANTITY TO SOW FOR LAWNS

You cannot sow too much; the more, the better; it means a quicker, more satisfactory and lasting result. We recommend, on new ground, for average mixtures, to sow in one pound of seed over 1,200 square feet (20x60); 80 pounds to 100 pounds to the acre. A good rule is to figure one pound for each two hundred square feet. For renewing old lawns use one pound to 400 square feet (20x20). For winter lawns. This grass is becoming more popular each year. When sown in the fall, which is the proper season, Domestic Rye Grass remains green all through the winter. Sown on top of Bermuda in October or November, Domestic Rye Grass makes green, grassy grass that will stand the coldest weather. You can have a genuine winter lawn with it—green grass all during the winter months. Mix one pound of Rye Grass seed with 5 pounds of pulverized Sheep Manure for 10x20 feet, or 200 square feet. Requires approximately 200 pounds to seed an acre. For pasture sow 80 pounds to the acre in October or November. 1 lb. 25¢; postpaid.

American or Domestic Rye Grass

For winter lawns. This grass is becoming more popular each year. When sown in the fall, which is the proper season, Domestic Rye Grass remains green all through the winter. Sown on top of Bermuda in October or November, Domestic Rye Grass makes green, grassy grass that will stand the coldest weather. You can have a genuine winter lawn with it—green grass all during the winter months. Mix one pound of Rye Grass seed with 5 pounds of pulverized Sheep Manure for 10x20 feet, or 200 square feet. Requires approximately 200 pounds to seed an acre. For pasture sow 80 pounds to the acre in October or November. 1 lb. 25¢; postpaid.

Creeping Bent Grass

Distinctive on account of its compact, creeping root stems, which hold in the soil in a very tenacious way. Fine for lawns and putting greens because of its fine texture. If sown alone use 50 pounds to the acre. 1 lb. $1.20; postpaid.

For Beautiful Lawns & Flowers

You will find that Vigoro, the ideal plant food, gives a quick, vigorous start—more velvety green grass, better flowers and shrubs.

Vigoro is complete, properly balanced, clean, odorless, and pleasant to handle. It can be sown by hand like grass seed.

Vigoro contains all the elements that plant life requires for healthy growth.

Professional gardeners and home owners alike recommend it enthusiastically.

Full directions in every bag

A Product of Swift & Company

Prices F.O.B. Memphis

100 lb. bag - - - $5.00
50 lb. bag - - - - 3.00
25 lb. bag - - - - 1.75
5 lb. can - - - - .50
12 oz. pkg. - - - - .10

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies
R.-H. CO.'S SEED OATS

One of the surest, best and cheapest crops to grow. No farmer should fail to sow a good acreage in oats, either for grain or hay crop. They are ready to harvest or cut early in May, just when you need feed the most.

CULTURE—Sow as early as possible, in February and through March, in good soil two to two and one-half bushels to the acre. If the soil is poor, use 200 to 300 pounds 16% Phosphate to the acre. Cut them for hay when the oats are in the milk stage or about half matured.

EARLY BURT OR NINETY-DAY OATS

Probably the earliest maturer of all oats, hence Burts can be planted after it is too late to sow any other variety. Can be planted in March and mature in time to escape injury from heat. Early plantings can be cut in time to put the same land in corn, cow peas, soy beans, peanuts, cane, millet or other summer crops. For quick feed in the spring and for grazing, the Early Burt is the best of all. It is not a heavy yielder of grain, but fine for cutting in the dough stage.

APPLER OATS

This is another development from an improvement over the old original Red Rust-Proof Oat. Its main claim to popularity is the extra yield that it gives, which is fully equal to the famous Fulghum Oat, though the Appier is not quite so early as the Fulghum. Under normal conditions the Appier produces a heavy plump berry in large full heads. A splendid oat.

FULGHUM

A rust-proof variety developed from the original Red Rust-Proof Oat. It is one of the most satisfactory and popular oats known. Its productiveness and early maturity, probably more than any of its other good qualities, have contributed to its wide popularity. They stool out splendidly, have large full heads, fine plump grains, and strong straw that stands about 2 feet high.

Over a three-year period in a comparative test made in the Southeast, Fulghum Oats average 12 bushels to the acre more than all other varieties. The grains are plump, usually of exceptional weight. Sometimes a bushel by measure weighing 37 pounds, and quite often 35 pounds; add to this the extreme earliness of Fulghum Oats and you have an ideal oat.

RED RUST-PROOF

For years the standard in the South. Thousands of acres are planted to Red Rust-Proof Oat each year. Oats in the South have long been subject to rust and that's why the Northern White Oats are not successful down South. The Red Rust-Proof Oat is a very vigorous grower, robust and productive, does well on low ground. It is a heavy producer of grain year after year.

TENNESSEE WINTER TURF OATS

Tennessee has proven itself long been famous for its Winter Turf Oats, which have probably the greatest propensity for stooling of all the present day oats. Further, they are the hardiest oats we have and will come through the winter when other varieties have all been killed out. This does not mean of course that they can't be killed, for that can't be said of any growing crop, but the fact remains that Winter Turf Oats are about the safest oat we in the South can plant in the fall. Due to their strong turfing and stooling characteristics they excel all other oats for grazing purposes after fall planting.

ABOUT PRICES

The prices on Seed Oats are changing constantly, so we are unable to give definite prices at the time this catalog is printed. Send us a card, state quantity you will need and we will immediately quote the lowest market price.

See Green Ink List enclosed for present prices on Seed Oats.

Millet

Nothing pays better for a stock raiser or a dairy farmer than a few acres of Millet, for it not only yields at least half again as much hay per acre as Timothy or Clover but is also of the greatest feeding value and milk producing quality. When spring is so unfavorable that other crops fail to grow, or when the season is so late and yet that corn will not mature, Millet is invaluable. Millets are also used as a catch crop for early grazing. When sown in hot weather it is especially good to subdue weeds.

JAPANESE OR BARNYARD MILLET

(Called Billion-Dollar Grass in the West). Distinct from other millets; grows 4 to 6 feet high, yielding an enormous crop that in quality is equal to corn fodder and is relished by stock. Sow in May, June or July, 20 pounds to the acre broadcast; or sow in 15-inch drills and cultivate until it is 18 inches high. When green, feed a moderate quantity at first, gradually increasing the quantity as the animals become accustomed to it. 1 lb. 30c postpaid.

PEARL OR CATTAIL MILLET

Sow in May in 3-foot rows, 5 pounds to the acre; three to four cuttings may be had as it stools enormously and makes a rapid growth. 1 lb. 35c postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Millet

TENNESSEE GOLDEN MILLET

Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant 1 1/4 to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cow peas for a hay is increasing in favor each year. When this is done, use an early variety such as Whippoorwill or New Era, sowing about 1/4 to a bushel of Millet with one bushel of peas to an acre. 1 lb. 25c; postpaid.

HUNGARIAN MILLET

An early forage plant, early and productive, growing 2 to 3 tons per acre, with an abundance of foliage, often yielding 2 to 3 tons per acre. Sow 1 bushel to the acre. 1 lb. 25c postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Millet.

Your seeds are the best we ever used and you give the best service of any company we ever ordered from.

W. S. KELSO.
Lynn Grove, Ky.

Route 1

14

RUSSELL-HECKLE SEED CO., Memphis, Tenn.
Grows on land you can't plant to other crops; thrives in low places that usually drown out. Produces from 8 to 20 tons of silage, or if left to ripen will produce from 30 to 75 bushels grain, and to 8 tons cured hay; has heads like Kaffirs. Usually weighs about 7 ounces and the average ear corn weighs 8 ounces. In feeding value it has 90% of corn; can be fed to hogs, chickens, cattle and work stock. Plant as early in the spring as frost will allow. Be ready to harvest when crops are laid by, usually along about the 1st of August.

Plant in 3½-foot rows. Cultivate a couple of times and thin out, leaving a stalk every 8 inches apart. Use a common sorghum or pea plate. We do not recommend broadcast planting. Can be best harvested with a Corn Binder, shocked like oats until cured. Six to eight pounds will seed an acre, planted in 3½-foot rows. From each seed planted you get 6 to 10 heads of grain as it stools out and should be left very thin in drill. 1 lb. 20c; postpaid.

FOR QUANTITY PRICES, see Green Ink List enclosed

Yellow Milo Maize A wonderful drought-resistant, non-saccharine sorghum that makes a thick succulent growth of nutritious milk-producing forage. For fodder and silage when in the dough stage, at this stage it has a feeding value practically equal to corn. Any good corn land will bring Milo Maize either for green feed, dry fodder or for growth. It grows on all soils from sandy to heavy clay loam. Plant in 3¼-foot rows after the ground is thoroughly warm, and give it the same cultivation you would corn. 6 to 8 pounds will plant an acre. 1 lb. 25c; postpaid.

Feterita Three or four weeks earlier than Kaffir Corn. It is the most drought-resistant of all the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. 1 lb. 25c; postpaid.

White Kaffir Corn Kaffir Corn yields heavy crops. It adapts itself to a wide variety of soils; a long, dry spell may stop its growth, but it starts again with the first rain. The grain as well as the stalk makes fine feed for stock, hogs, poultry and pigeons. With cowpeas, sow broadcast one peck of Kaffir Corn to a bushel of peas: sow alone 3 pecks to a bushel broadcast an acre; in drills 6 to 8 pounds plants an acre in 3½-foot rows. Plant from after the ground is thoroughly warm till early in June. 1 lb. 25c; postpaid.

Red Kaffir Grows taller than the white; stalks slender, juicy and very leafy. Ripe ears rather than that of the white and yields much heavier. 1 lb. 25c; postpaid.

Egyptian Wheat or Shallu The heads are large and heavy. It makes bales better than any poultry food. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. 1 lb. 35c; postpaid.

Darso Similar to Kaffir Corn, matures earlier; a great drought-resister. Darso makes excellent silage and can be used as grain or forage crop. Plant is low-growing, heavy foliage with a large stalk. Plant in drills, 10 pounds to the acre in April or May. 1 lb. 35c; postpaid.

Schrock Kaffir Sorghum A comparatively new sorghum variety—used extensively forage and ensilage, as it is quite sweet and grows an abundance of broad, long leaves. Excellent stock and poultry food. Drill at the rate of 5 pounds per acre. 1 lb. 25c; postpaid.

Early Amber An early Southern variety grown either alone or broadcast with peas. Sow broadcast alone 50 pounds seed per acre. If with peas broadcast, use 25 pounds seed with 60 pounds peas per acre. 1 lb. 20c; postpaid.

Early Orange From 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. 1 lb. 20c; postpaid.

Japanese Honey This variety of cane is without a doubt the best syrup producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific. 1 lb. 25c; postpaid.

Texas Seeded Ribbon Cane Whether you grow it for syrup, for ensilage or for feeding, you will like it. The syrup yield is good, frequently from 175 to 200 gallons to the acre. As it grows 10 to 12 feet tall, with an abundance of fodder, it makes a most economical ensilage, filling the silo at a minimum cost. Plant in 3½-foot rows when the ground has become thoroughly warm, thin out to stand 10 to 12 inches apart in the rows, and cultivate just as you do corn. 1 lb. 25c; postpaid.

Red Top or Sumac Grown extensively in Middle Tennessee. Succeeds well in any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time do not guarantee that they will come true. All orders for syrup cane varieties are therefore accepted only on these conditions.

SUGAR DRIP It makes a large, juicy and succulent syrup that will make about 65 per cent of the weight of the cane in juice. 1 lb. 25c; postpaid.

SPECIAL NOTICE

NON-WARRANTY—Owing to the peculiar hybridization of syrup cane varieties, it is impossible to guarantee any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time do not guarantee that they will come true.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Sorghum Seed, Kaffir Corn, etc.
Russell-Heckle's Soy or Soja Beans

**Cultural Directions**

Soy Beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and for this reason leave the land cleaner and in better condition for the following crop.

They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre; in drills about a pole to the acre. Plant in April, May or June.

**INOCULATE WITH RH COS INOCULATION**

**Soy Bean Inoculation**

Russell-Heckle's Inoculation on Soy Beans is the best for all varieties. Every time the right bacteria are present, inoculation with a fresh pure culture will produce better results, because it is the most rapid and luxuriant growth, the forming of the most beans and the largest nitrogen. Price R.-H. Co.'s Top Notch Culture for Soy Beans: 1 bushel size 50c; 5 bushel size, $2.00; postpaid.

**Virginia Soy Beans**

On account of its abundant growth and large yield of beans the Virginia makes most excellent hay. As it is about 20 days earlier than Mammoth Yellow, it can be grown further north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The plants being fine and the leafage profuse adapt it particularly well for hay making. Qt. 40c; postpaid.

**Mammoth Yellow Soy Beans**

The latest, yet the most extensively grown for both beans and forage, both of which it yields in greater abundance. It grows more than three feet high, is erect in growth and can be cut with a mower. Valuable for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean hay. Qt. 35c; postpaid.

**Biloxi Soy Beans**

An upright variety growing 4 to 6 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high. A fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties, in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth. Qt. 40c; postpaid.

**WHY YOU SHOULD USE LAND PLASTER**

(AGRICULTURAL GYPSUM)

Because it furnishes crops sulphur in an immediately available and neutral form—in exactly the form that sulphur is supplied to plants in nature.

It also increases greatly the nitrogen supply to crops. It does this: First, by enormously increasing the growth and nitrogen fixation of the leguminous crops.

Benjamin Franklin had a field of red clover that slopped down to one of the main roads out of Philadelphia. On this he sowed ground gypsum to form the following words:

"Land Plaster Used on Benjamin Franklin's Land"

Broadcast 200 pounds Land Plaster to the acre on your Clover, Alfalfa and Pastures. 100-lb. bag, $1.40.

**NAPA-GOAT GLOVES FREE WITH ORDER**

With every cash order to the value of $5.00, we will include Free one pair of Napa-Goat Gloves. A good, serviceable, tough Goat-skin glove that will give service in any garden or field work.
Cowpeas
May be sown any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

WHIPPOORWILL—A favorite early bunch-growing variety. Very similar to the Unknown, but earlier.

NEW ERA—An early, upright-growing variety. Matures early.

BLACK STOCK—Large vining variety. Best for thin land. CLAY—Very similar to the Unknown, but earlier.

RED RIPPIERS—Vines grow long; make an abundance of hay.

WONDERFUL or UNKNOWN—On account of the great growth of the vines, this variety is especially valuable. MIXED—Preferred by many farmers; they will grow thicker than separate varieties, producing better crop of vines and forage.

LARGE WHITE BLACK EYE—The dried peas are readily saleable as table peas during the winter.

WHITE, CREAM or LADY—Fine for table use. Very prolific.

WHITE CROWDER—An excellent variety for table use. PROLIFIC—The quickest grower and the most prolific.

LARGE WHITE BLACK EYE—One of the finest soil improvers yet discovered. BROWN CROWDER—Clay colored, large size, of fine flavor.

Prices on Cow Peas given on application. Let us know how many you will need.

Mung Beans
Mature about 15 days earlier than Soy Beans and Cowpeas and invariably have produced larger tonnage of hay and forage, as well as larger production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers yet discovered. Requires about 4 pounds of seed to plant one acre. Plant in rows about 2½ feet apart and 2 to 4 inches apart in the rows. 1 lb. 50c; postpaid.

Velvet Beans
Makes an enormous growth for forage, also worth millions to the South as a soil builder, besides its value as a fall and winter feeding crop.

EARLY SPECKLED or 100-DAY VELVET—The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre. Qt. 35c; postpaid.

Shell Beans
WHITE NAVY BEANS—Plant 1 peck to the acre in drills wide enough to work; in May or June. 1 lb. 25c; postpaid.

WHITE MARROW BEANS—Plant in May or June in rows wide enough to work; use one peck to the acre. 1 lb. 25c; postpaid.

WHITE KIDNEY AND RED KIDNEY BEANS—Plant like Navy Beans. 1 lb. 25c; postpaid.

GREAT NORTHERN BEANS—Very prolific and of fine quality; use one peck to the acre in drills. Plant in March or April. 1 lb. 25c; postpaid.

Buckwheat
Sow three pecks to one bushel to the acre. It can be sown so late as to make a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees. 1 lb. 25c; postpaid.

Broom Corn
IMPROVED EVERGREEN BROOM CORN—An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. 1 lb. 20c; postpaid.

OKLAHOMA DWARF BROOM CORN—Straight, stiff stems and leaf; marketable quickly. 1 lb. 25c; postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on all items on this page.

Valencia Peanuts
A quick and cheaply-grown forage for Sheep, Hogs, Cattle and Poultry. Ready in 6 to 8 weeks from sowing.

Culture—Sow as early as possible, late March or early April is not too late. 2 to 4 pounds plant an acre in drills; 6 to 8 pounds broadcast. 1 lb. 25c; postpaid.

Seed Peanuts
Prepare the ground well, laying off in rows with a shovel plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about one foot apart. One and one-half bushels of unshelled nuts will seed an acre.

IMPROVED WHITE VIRGINIA PEANUTS—These are uniformly large, and when grown on light sandy land will produce nuts of that bright attractive appearance demanded by the best trade. 1 lb. 30c; postpaid.

TENNESSEE LONG RED PEANUTS—Especially adapted to this section. The nuts contain three large kernels in each and are enormously productive. 1 lb. 25c; postpaid.

SPANISH PEANUTS—Although not as large as other kinds, there is no peanut grown that so entirely fills the pod nor can compare with it in sweetness and flavor. 1 lb. 25c; postpaid.

VALENCIA PEANUTS—The pods are large, well-filled, usually containing three or four nuts, and of such handsome appearance that they find ready sale at top prices. 1 lb. 35c; postpaid.

Miscellaneous Field Seeds
AUSTRIAN WINTER PEAS—Sow 25 pounds to the acre in September and October. Inoculate the seed. 1 lb. 55c; postpaid.

SPELTZ or EMMER—Sow broadcast two bushels to a acre in March or April. 1 lb. 25c; postpaid.

FALL or WINTER BARLEY—Sow in September or October. 1½ bushels to the acre. 1 lb. 20c; postpaid.

RED MAY SEED WHEAT—Sow broadcast 1½ bushels to the acre. 1 lb. 20c; postpaid.

CANADIAN FIELD PEAS—Sow broadcast 1½ bushels to the acre in February or March. 1 lb. 30c; postpaid.

CHUFAS—Plant in rows 1 peck to the acre in April or May. 1 lb. 40c; postpaid.

TEOSINTE—Plant in rows 1 peck to the acre in April or May. 1 lb. 40c; postpaid.

ABRUZZI SEED RYE—Sow in September or October 1½ bushels broadcast to the acre. 1 lb. 20c; postpaid.

RED MAY SEED RYE—Sow broadcast 1½ bushels to the acre in October and November. 1 lb. 20c; postpaid.

ROSENFELD RYE—Sow broadcast 1½ bushels to the acre in October and November. 1 lb. 20c; postpaid.

TEOSINTE—Sow in May or June, in drills, 2 pounds to the acre. 1 lb. $1.00; postpaid.

VETCH OREGON SPRING—Sow 20 pounds to the acre with grain in February or March. 1 lb. 35c; postpaid.

VETCH WINTER or SAND—Sow in September or October. 15 pounds to the acre with 1 bushel of Rye or Oats. Inoculate the seed. 1 lb. 25c; postpaid.

MAM. RUSSIAN SUNFLOWER—Plant in rows 5 to 6 pounds to the acre in April or May. 1 lb. 30c; postpaid.

THOUSAND HEAD KALE—Yields more than rape; fine for sheep or hogs. Sow in March or April, also in September. Broadcast 4 pounds to the acre. 1 lb. 50c; postpaid.
R.-H. Co.'s Top Notch Inoculation
For All Legume Crops

R.-H. CO.'S TOP NOTCH CULTURES are cultures of living nitrogen-gathering soil bacteria which when inoculated on the seed of the legume crops, such as alfalfa, clovers, vetches, soy beans, peas, etc., cause nodules to develop on their roots in which nitrogen is gathered from the air that percolates through the soil and is turned into plant food.

$100 Worth of Fertilizer For Only $1.00

Here you have the greatest fertilizer bargain ever offered. See what it will do.

1. A bushel-size of Top Notch Culture will inoculate 4 acres of Alfalfa or Clover.
2. The cost of these 4 acres will be only $1.00, the price of the Top Notch Culture.
3. Top Notch root nodules on the crop will capture from the free nitrogen in the air and store up an average of 100 lbs. of nitrogen per acre. When the crop is plowed under this nitrogen is added to the soil. On 4 acres 400 pounds will be added.
4. Four hundred pounds of nitrogen is equal to 2800 pounds of nitrate of soda worth $100.00 at average prices.
5. Thus one dollar's worth of Top Notch, at the same time it is producing a better crop, will add $100.00 worth of nitrogen to your soil.

The right type of bacteria may or may not be present in your soil. If they were present at one time they may have lost their vigor or disappeared. Inoculation of every seeding with a fresh, pure culture will always pay.

Top Notch is the result of 15 years' experience and test in America's finest Commercial Soil Bacteriological Laboratory.

REMEMBER THIS. Each bottle of R.-H. Co.'s Top Notch Culture contains a pure, vigorous strain of the right bacteria for a specific legume crop or group of crops. Obtainable, fresh and live at all times, in the varieties shown below.

TOP NOTCH CULTURES

Easiest to Use

No experience is needed. All you need is a bushel-size Top Notch Culture, and a pint of clean, cool water for each bushel of seed. Open the bottle, fill it with water, shake it and pour back into the rest of the pint. It is not necessary to break up or dissolve the jelly, as the bacteria remain on the surface and are rinsed out with the water. Next pull back top of seed bag and pour the water containing the bacteria over the seed. Then work it in with your hands to dampen all the seeds. The whole job won't take more than 10 minutes.

R.-H. CO.'S TOP NOTCH DRY INOCULANT

This is the new form of Dry Inoculant and can be mixed with the seed dry, just as it comes from the can, or mixed with water and sprinkle the seed.

R.-H. Co.'s Top Notch Dry Inoculants contain the same pure strains of Nodule Bacteria that are found in Top Notch jelly or bottle culture.

INCREASE YOUR CROPS—IMPROVE YOUR SOIL

Legumes offer the best means of maintaining soil fertility and rejuvenating over-cropped and wornout fields. They add humus and nitrogen to your soil and increase your yield of cotton, corn, oats, etc. Help the legumes along by using R.-H. Co.'s Top Notch Cultures.

INSURES BIGGER CROPS

By obtaining nitrogen from the air. Nitrogen is essential to early and vigorous growth and by feeding it to plants protein content is increased.

Leguminous crops not inoculated draw heavily on the plant food in the soil, but when inoculated with either R.-H. Co.'s Top Notch Jelly Culture or R.-H. Co.'s Top Notch Dry Inoculant and the crops turned under, an average of 100 pounds of Nitrogen is added to each acre of soil.

It is necessary that nearly all legumes you plant be inoculated, so as to get a start of the bacteria nodules which supply the nitrogen.

Small cost; large returns; easy to use; no labor expense if you use TOP NOTCH Cultures.

INOCULATED NOT INOCULATED

PRICES—SPECIFY BY CROP

For small seeds: Alfalfa, Aisyke, Red, White, Sweet and Crimson Clovers
1-bu. size $1.00
5-bu. size 5.00

For large seeds: Cow Peas, Soy Beans, Velvet Beans, Vetches, Field Peas, Winter Peas
1-bu. size $1.50
5-bu. size 7.50


ALL PRICES POSTAGE PAID

Russell-heckle Seed Co., Memphis, Tenn.
SEED DISINFECTANTS

PREVENT DISEASES
INCREASE YIELDS
IMPROVE QUALITY

Semesan Jr.
Protects seed corn from rotting and allows earlier planting, hastens and increases germination and produces sturdier plants; controls seedling blight, reduces root and stalk rots. 2 ounces treat a bushel of shelled corn. 4-oz. pkg. 50c; 1-lb. pkg. $1.75; 5-lb. pkg. $8.00. Cannot be mailed.

Ceresan for Cereals
Here is an easily applied dust treatment which has proven effective in controlling such seed-borne diseases as brown spot of wheat, disease of barley, oats and sorghum. Prices of Ceresan—8-oz. tin 50c; 1-lb. tin 75c; 5-lb. tin $3.00.

Formalin
Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. H-lb. bottle 40c; 1-lb. bottle 60c; not mailable.

1930 Calendars
On receipt of five names of people in your community who would be interested in receiving our Annual Seed Catalogue we will mail you one of our 1930 Calendars, which is very complete in every detail.

Semesan Bel
Protects potatoes against both seed-borne and soil-borne diseases; produces a better stand of healthier plants; increases the yield of potatoes that mature earlier, are of better quality and cleaner potatoes that will keep longer. 4-oz. pkg. 50c; 1-lb. pkg. $1.75; 5-lb. pkg. $8.00. Cannot be mailed.

Bayer Dipdust
For larger yields of cleaner potatoes; allows earlier planting of seed corn; and prevents seedling blight, root and stalk rots and other plant diseases. One pound treats 5 bushels of corn, 10 bushels of peas, beans and vegetable seeds or 10 bushels of potatoes. 4-oz. pkg. 50c; 1-lb. pkg. $1.75; 5-lb. pkg. $8.00.

Corrosive Sublimite
Used for treating sweet potatoes before bedding down or planting. One ounce will treat enough to dip 8 to 10 bushels of sweet potatoes. 30 lbs. $1.00; 15 lbs. $1.50; 5 lbs. $2.25; not mailable.

CROW-TOX
A Crow Repellent
Crow-Tox protects corn from crows, blackbirds, moles, etc. It is especially effective, which means healthier stalks and larger yields per acre. Crow-Tox will not kill birds or animals. Saves seed loss and replanting. 1-pt. can, treats 2 bushels seed corn, $1.50. 3/4-pt. can, treats 1 bushel seed corn, $1.00. Postage, 10c each extra. Circulars on request.

Bi-Sulphide of Carbon
For killing weeds and other insects out of soil. One ounce will treat enough to protect 100 square feet of ground. 1 lb. 50c; 5 lbs. $2.25; not mailable.

WHY INOCULATE??
Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Nitragin, or Top Notch Culture, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.

SEEDS OF ALL LEGUMES

<table>
<thead>
<tr>
<th>Size Inoculates</th>
<th>Price</th>
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<tbody>
<tr>
<td>1 bu. 15 lbs. seed</td>
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<tr>
<td>1 bu. 30 lbs. seed</td>
<td>.60</td>
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<tr>
<td>1 bu. 50 lbs. seed</td>
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SPECIAL PRICES on Austrian Winter Peas and Vetch

<table>
<thead>
<tr>
<th>Size Inoculates</th>
<th>Price</th>
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<tbody>
<tr>
<td>1 bu. 60 lbs. seed</td>
<td>$.40</td>
</tr>
<tr>
<td>1 bu. 300 lbs. seed</td>
<td>4.75</td>
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</tbody>
</table>

GARDEN NITRAGIN
Inoculates from 1 lb. up. Not mailable. Price $.75

IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.

Nitratin Has Served The American Farmer Since 1898
What and When To Plant

THE RIGHT TIME for sowing all seeds as we give them in the different months, should naturally be governed by the conditions of the weather and the soil.

JANUARY—Sow in hotbeds: Cabbage, Lettuce, Beets, Onions, Tomato, and Cauliflower.

Sow outdoors the latter part of the month: Turnips, Mustard, Spinach, Radish, and English Peas. Set out Onion Sets and Onion Plants. Sow Sweet Peas.


Hotkaps

Hotkaps make your plants harder and faster, enabling you to market earlier and get higher prices. Hotkaps are scientifically-made wax paper cone which is placed over each plant. One man can place 3,000 hotkaps a day. The cost to you is low——

Hotkaps protect against heavy rains and also guard against too much moisture. They also keep soil surface free from crusting or becoming too dry. Growers have discovered that under normal conditions they can plant the seed directly in the field. They have found that such seedlings are sturdier and more resistant to disease and insects than transplanted plants. This means a big saving in transplanting expense. Hotkaps are thus valuable but saving in hotbeds, coldframes and seed beds as well as in the field, they should more than pay for themselves by getting you a first to market to command a better price for your crop.

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MARCH—This is the month to begin general garden operations. Sow outdoors: Cabbage, Lettuce, Carrot, Beets, Parsley, Parsnips, Leek, Onion Seeds, Salisify, English Peas, both the smooth and wrinkled sorts. Plant Onion Sets and Irish Potatoes. Sow Sweet Peas. Plant Early Corn. Set out early frost-proof Cabbage Plants. Onion Plants, also Cauliflower and Lettuce Plants, Asparagus Roots, Horseradish and Rhubarb roots.

Set out farm seeds: Clover, Grasses, Oats, Alfalfa, Lawn Grass, Rape, and Lespedeza. Set out Fruit Trees of all kinds, Strawberry, Raspberry and Blackberry plants. Continue to spray trees now.

APRIL—A good month to start active garden operations. If not yet planted, sow now, out of doors, Beets, Bush Beans, Pole Beans, Carrots, Cress, Celery, Cucumber, Endive, Leek, Lettuce, Mustard, Okra, Parsley, Parsnip, Kohi-Rabi, Herbs, Peas, Radish, Spinach, Swiss Chard, Squash, Tomato, Rape and Turnip. Set out Onions Sets, plant Potatoes and Corn. Set out Cabbage, Cauliflower, Beets, Onion and Lettuce plants.


Continue your spray work on Fruit Trees.


Sow Flower Seeds of all kinds; also put out Flower Bulbs; set out Cabbage, Tomato, Pepper, Egg Plants and Sweet Peppers. Sow Milt, new, Savoy, maine,疯豆, Hamburg, Green Beans, Collards, Corn and Popcorn, Soy Beans, Velvet Beans, Cotton Seed, Kafl Corn, Broccoli, Brassica. Set out Cauliflower and Artichokes.

Freezing Winter Lawn Grass Seed.

A SQUARE DEAL is positively given every customer who purchases his seed from us, and on account of changing prices that are prevailing we will undertake to give our customers by giving them every advantage possible.
Russell-Heckle Co.'s
TOP NOTCH GARDEN SEEDS

PROTECT YOURSELF FROM FAILURE—INSURE YOUR CROPS BY PLANTING RUSSELL-HECKLE'S TOP NOTCH SEEDS.

Our seeds are as good as can be obtained anywhere. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast-increasing trade will testify.

PRICES.
The prices we quote on vegetable and flower seeds will hold good as long as stocks last. Quotations on all farm seeds, grain, etc., are therefore good January 1, 1930, and are subject to market changes; as far as possible we will fill all orders for seeds if market values will not permit this we will send all that money remitted will pay for.

POSTAGE.
We pay postage wherever the word “Postpaid” appears. Otherwise, prices are F. O. B. Memphis, buyer to pay freight, express or postage charges.

ASPARAGUS
CULTURE—Sow outdoors in February and March in 18-inch rows, dropping two seeds every 6 inches, cover seeds 1 inch. One ounce will sow 50 feet of row and produce two hundred plants.

Washington The New Giant Rust-proof Asparagus. It grows very large and being rust-proof makes it a very valuable variety for both home use and market.

Asparagus Roots
Asparagus Roots thrive best in soil exceptionally rich and mellow and supplied with a liberal amount of humus. A simple way to start the Asparagus bed is to plow furrows 7 inches deep and 3 to 4 feet apart, then set the plants in the trench, allowing 12 to 18 inches between them; spread the roots out well and cover with two inches of soil. After cultivation, gradually fill up the trench, eventually burying the crowns of the plants to a depth of 6 inches.

Prices:
2-year-old roots, postpaid, $1.50; 100 $2.35; oz. $1.25; oz. $0.90.

ARTICHOKE
Large, Green Globe Bears large flower heads, which are prepared for eating as asparagus. Set in rows 4 feet apart and set plants 2 feet apart in the rows. The plants when mulched, will live through the winter.

Artichoke (Jerusalem) Excellent for casserole dish. Plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in the rows; immense yields. 2 quarts 34 pint, 1 quart, to the value of S3.75.

Broccoli
Similar to cauliflower and is prepared for the table in the same way. The seed should be sown and cared for in the same way as asparagus or cauliflower.

BRUSSELS SPROUTS
An erect-growing plant whose stalk is closely covered with light green buds resembling small cabbage. The sprouts which should be cooked in the same manner as cabbage or cauliflower. Seed may be sown early in May, later the plants may be set about 2 feet apart and cultivated like cabbage.

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies
**DWARF GREEN-PODDED BUSH BEAN**

**Black Valentine** Suited for both early and late planting. This variety is ready for table use in about 44 days from the time of planting. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Bountiful** This is a variety that is exceedingly popular, especially with commercial truckers along the Gulf Coast. The pods are green in color and are of large size: thick, broad, flat, extra long, very uniform in shape, solid, meaty and of high quality. The pods are absolutely stringless and are ready for table use in about 44 days after planting. Postpaid, \(\frac{1}{2}\) pt. 25c; pt. 35c; qt. 65c. Not prepaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 55c.

**Burpee Stringless Green-Pod** This variety is a favorite with a large number of truckers and gardeners in the South, and is also grown for canning purposes. It is one of the finest green-podded bush beans in existence. The pods are medium green, five to six inches long, cylindrical, and are quite crisp and remain crisp and tender for some time. This variety is very productive, and the pods are absolutely stringless. This variety is ready for picking in 42 days after planting. Postpaid, \(\frac{1}{2}\) pt. 25c; pt. 35c; qt. 65c. Not prepaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 55c.

**Full Measure** A fine medium green, early stringless green-podded bean of splendid quality. The pods are round, fairly strong and meaty. This variety matures in approximately 47 days after planting. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Improved Red Valentine** This is another variety that is planted largely by truckers and gardeners for shipment to Northern markets. The plants are of medium size with dark green leaves. The pods are of medium length, about five inches long, medium green color, covered, cylindrical, and very crisp and tender. This variety is ready for picking in 44 days after planting. Postpaid, \(\frac{1}{2}\) pt. 30c; pt. 40c; qt. 70c. Not prepaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 50c.

**Giant Stringless Green-Pod** This is a very desirable green-podded variety for the home garden and also for truckers. The handsome round pods are 6 to 7 inches long, dark green color, brittle and perfectly stringless. It is one of the most productive sorts and can be picked in one-third the time of any other variety. This variety has accomplished much popularity in Southern states where it is grown on a large commercial scale for shipment to Northern markets. It is not quite as early as Burpee Stringless, but it is ready for picking in 44 days after planting. Postpaid, \(\frac{1}{2}\) pt. 25c; pt. 35c; qt. 65c. Not prepaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 55c.

**Golden Wax** Pods are from 4 to 5 inches long, very stout, fleshy, brittle and of excellent quality. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Longfellow** The pods are of fine quality, nearly stringless and from about 7 to 8 inches long, straight and round. This variety is very prolific and is ready for table use in about 46 days after planting. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Refugee or 1000 to 1** A standard and highly esteemed variety for late planting, and is extensively used for shipping and canning. The pods are about 5 inches long, round, slightly curved, light green in color, and are of excellent quality. Ready for picking in 51 days. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Round Pod Kidney Wax** This is another variety that is planted very extensively in the South, and bears edible pods in about 43 days. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Tennessee Green-Pod** This is a very hardy bean and a good yielder of large, very flat pods, 6 to 7 inches long, dark green color and excellent flavor. This variety is planted very extensively in the South, and bears edible pods in about 43 days. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c. See G. I. No. 34 for gallon, peck and bushel prices, see Green Ink List enclosed.

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**DWARF WAX-POD VARIETIES**

**Currie's Rust-Proof Wax** Pods light yellow, similar in shape to Golden Wax. \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Improved Golden Wax** This is probably one of the most popular of the wax varieties. Pods are from 4 to 5 inches long, very straight, or slightly curved, and oval in form. Edible in about 47 days after planting. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Prolific Black Wax** The pods are round, about 5 inches long, fleshy, brittle and stringless. They are a deep yellow in color and very attractive. Ready for table use at 29 days from time of planting. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Pencil Pod Wax** Very early and productive. The pods are long and round. 5 to 6 inches long, nearly stringless, very brittle and of excellent quality. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 25c; qt. 50c.

**Round Pod Kidney Wax** The best round-podded variety. Postpaid, \(\frac{1}{2}\) pt. 25c; pt. 35c; qt. 65c. Not prepaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 55c.

**Sure Crop Wax** A recent introduction similar to Currie's Rust-Proof. Pods are longer, thicker through and entirely stringless. Postpaid, \(\frac{1}{2}\) pt. 25c; pt. 35c; qt. 65c. Not prepaid, \(\frac{1}{2}\) pt. 20c; pt. 30c; qt. 55c.

**Webber Wax** Of recent introduction, very early and productive. The plants are strong-growing and bear the pods well from start. Pods are of a rich golden color, tender, brittle and absolutely stringless. Postpaid, \(\frac{1}{2}\) pt. 20c; pt. 35c; qt. 60c. Not prepaid, \(\frac{1}{2}\) pt. 15c; pt. 20c; qt. 35c; qt. 50c.

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**BAYER'S DIP DUST**

*Used on Flowers and Vegetable seeds. Gives better germination and stronger plants. 4 oz. can 50c; 1 lb. can $1.75. Cannot be mailed.*
**Beans—Pole or Running**

**CULTURE**—Plant in May and June in rows four feet each way, five in a hill. Pole beans can be planted as late as August 1st and will bear a good crop. They can be planted in corn as well as with poles. One quart will plant about 200 hills. One peck will plant an acre.

**Burger's Stringless Green Pod** Also known as Kentucky Wonder. The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. Post paid, 1/2 pt. 20c; pt. 30c; qt. 60c. Not prepaid, 1/2 pt. 20c; pt. 30c; qt. 65c.

**Kentucky Wonder or Old Homestead** It is almost needless to say anything about this great Pole Bean, for who has not grown it. It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. Post paid, 1/2 pt. 20c; pt. 30c; qt. 60c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 50c.

**Kentucky Wonder Wax** Pods are beautiful golden yellow, large and fill perfectly, and in the "snap" stage are deep green in color. Makes an excellent snap bean and the white-seeded beans are unsurpassed for winter use. Post paid, 1/2 pt. 25c; pt. 35c; qt. 65c. Not prepaid, 1/2 pt. 20c; pt. 30c; qt. 55c.

**McCaslan Pole Bean** Pods average eight to ten inches in length, are flat, slightly curved and of a rich green color. Makes an excellent snap bean and the white-seeded beans are unsurpassed for winter use. Post paid, 1/2 pt. 20c; pt. 30c; qt. 60c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 50c.

**Red Speckled Cut Short** Plant in corn or on poles. It is hardy, late and is a heavy yielder.

Post paid, 1/2 pt. 20c; pt. 35c; qt. 60c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 50c.

**R.-H. Co.'s Ideal Market Pole** Thick, stringless, and of a rich green and tender, perfectly round pods with black seed, is two weeks earlier than any other variety. Post paid, 1/2 pt. 25c; pt. 40c; qt. 70c. Not prepaid, 1/2 pt. 20c; pt. 35c; qt. 60c.

**Scotia or Striped Cornfield** This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn this is your one choice. It will produce the kind of results that you will expect. Post paid, 1/2 pt. 20c; pt. 30c; qt. 60c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 50c.

**Tennessee Wonder** Long, round pods, excellent for snaps as well as for dry shell beans. Pods, 1/2 pt. 20c; pt. 35c; qt. 65c. Not prepaid, 1/2 pt. 20c; pt. 30c; qt. 55c.

**White Creaseback or Fat Horse** Especially valuable on account of its earliness. Can be planted in corn. Post paid, 1/2 pt. 20c; pt. 30c; qt. 60c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 50c.

**Yard Long Asparagus** Beans Hardy and easily grown; early and prolific, pods averaging two feet or more in length. Palatable for snap, boiling, baking, soup, etc. Vine runs ten feet or more. Post paid, 1/2 pt. 20c; pt. 30c; qt. 55c.

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**Beans—Pole, Butter and Lima**

**CULTURE**—Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than Bush Beans and should not be planted before May. They can be planted as late as July 15th.

**Carolina or Sieva** This very early and reliable small-seeded Pole Butter Bean is especially adapted for planting in the South. The pods are dark green, short, about three inches, curved flat. Seed small, flat, white with slight tinge of yellow. Post paid, 1/2 pt. 15c; pt. 25c; qt. 50c.

**Florida or Speckled Calico Butter** The best variety for bearing early in the season. It will make an abundant crop when others fail. Seeds of the Carolina or Sieva Lima size but are speckled white and brownish-red. Post paid, 1/2 pt. 25c; pt. 35c; qt. 65c. Not prepaid, 1/2 pt. 20c; pt. 30c; qt. 55c.

**Giant Pod Lima** The beans are extra large, of superb flavor, pod immense in size and borne in clusters from four to six and measure seven to eight inches in length. Post paid, 1/2 pt. 25c; pt. 35c; qt. 65c. Not prepaid, 1/2 pt. 20c; pt. 30c; qt. 55c.

**King of the Garden Lima** Pods of large size, filled with four or five large beans of very fine quality. Post paid, 1/2 pt. 20c; pt. 35c; qt. 65c. Not prepaid, 1/2 pt. 15c; pt. 30c; qt. 50c.

**Large White Lima** Pods borne in clusters; are broad, very thick, and hard; grown; Pod, 1/2 pt. 20c; pt. 35c; qt. 60c. Not prepaid, 1/2 pt. 15c; pt. 30c; qt. 50c.

**Willow-Leaf Lima** Strictly a Southern variety. You can't beat it for continuous bearing. Begins early and stays late. One of the heaviest producers, and the quality will please you. Will produce a crop where other varieties fail. Matures in about 100 days. Post paid, 1/2 pt. 25c; pt. 40c; qt. 70c. Not prepaid, 1/2 pt. 20c; pt. 35c; qt. 60c.

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**TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies** 23
BEETS

CROSBY'S EARLY EGYPTIAN BEET

Improved strain of the famous Early Egyptian, but producing a deeper or thicker root; of fine form, extremely early, deep red color, almost black; flesh sweet, smooth, tender and of exceptionally fine quality; can be depended on for best results when grown either in the garden or under glass; highly recommended as an early market variety. Pkt. 5¢; oz. 10¢; ½ lb. 25¢; 1 lb. 70¢; postpaid.

DETROIT DARK BLOOD BEET

This splendid second early variety we highly recommend for market and private gardens. Roots globular, very smooth, with short tops; skin blood-red, flesh dark blood-red, sweet, tender and delicious. The tops are small and upright in growth. Fine for market bunching. Pkt. 5¢; oz. 10¢; ½ lb. 30¢; 1 lb. 80¢; postpaid.

EARLY BLOOD TURNIP

It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized, round, of dark-red color and fine flavor. Mature in about 45 days. Pkt. 5¢; oz. 10¢; ½ lb. 20¢; 1 lb. 50¢; postpaid.

EDMUND'S EARLY BLOOD TURNIP

A handsome, clean turnip-shaped Blood Beet. Skin and flesh are of a deep blood-red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. The roots grow regular and are of right marketable size. Tops are small, allowing them to be grown close together. Pkt. 5¢; oz. 10¢; ½ lb. 15¢; 1 lb. 70¢; postpaid.

R.-H. Co.'S EARLY WONDER BEET

The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co.'S Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome globe-shaped beet on the market. Pkt. 5¢; oz. 10¢; ½ lb. 20¢; 1 lb. 50¢; postpaid.

MANGEL WURZELS AND SUGAR BEETS

Deep soil produces the largest crops. Sow in rows 18 inches to 2 feet apart, 1 inch deep, and when the plants are 3 to 4 inches high they should be thinned out to 4 inches apart. Transplant when the ground is moist, pinch off the leaves about 2 inches above the root, and set the plants into the soil up to the crown. On good, deep soil 1,000 to 1,500 bushels per acre can be raised. Mangels make excellent feed for stock of all kinds.

GOLDEN TANKARD MANGEL BEET

Yields enormous crops; very rich in sugar; skin and flesh deep orange-yellow; oblong in shape. Pkt. 5¢; oz. 10¢; ½ lb. 30¢; 1 lb. 50¢; postpaid.

MAMMOTH LONG RED MANGEL BEET

Grows to an enormous size in deep, rich soil; an excellent keeper. Various reports from our customers who have grown it show yields of 1,400 to 2,000 bushels per acre. Close-grained, tender flesh of rich flavor. Pkt. 5¢; oz. 10¢; ½ lb. 30¢; 1 lb. 50¢; postpaid.

GIANT HALF SUGAR MANGEL BEET

Desirable for stock feeding, affording not only a very large crop much easier to flower sorts but also having higher nutritive value, being especially rich in sugar. Pkt. 5¢; oz. 10¢; ½ lb. 20¢; 1 lb. 50¢; postpaid.

FOR QUANTITY PRICES ON BEETS, see Green Ink List enclosed.
CABBAGE

CULTURE—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbage may be started in winter in a cold frame, or in early spring in a hotbed. For fall crop, summer and autumn cabbages, the seed should be sown in a rich border in the open air, in May or June. Bow shallow: a packet will produce about 250 plants; an ounce, 2,000 plants; 4-pound for an acre. Set plants 1½ by 3 feet apart.

New Golden Acre A very fine new cabbage from Denmark. Golden Acre produces heads a week to ten ahead of Copenhagen Market. The head is of medium size, quite round, and surrounded by a few small outer leaves. Pkt. 10c; oz. 50c; ½ lb. $1.50; 1 lb. $4.50; postpaid.

All Seasons One of the largest and a thoroughly satisfactory second earliest. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. $1.50; postpaid.

Early Summer One of the best second early varieties; large, deep heads; matures in about 110 days. Pkt. 5c oz. 25c; ¼ lb. 65c; 1 lb. $1.75; postpaid.

Early Flat Dutch One of the best second early varieties; large, deep heads; easy to grow, and a dependable header. Belongs to the second earliest. Matures in about 110 days. Pkt. 5c oz. 25c; ¼ lb. 65c; 1 lb. $1.75; postpaid.

Early Drumhead Solid. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. $1.50; postpaid.

Early Jersey Wakefield In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Pkt. 5c; oz. 25c; ¼ lb. 65c; 1 lb. $1.75; postpaid.

Large Drumhead Savoy The best and largest-heading of the Savoy. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Pkt. 5c oz. 25c; ¼ lb. 70c; 1 lb. $2.00; postpaid.

Succession Matures in about 110 days. Heads round, slightly flattened. Pkt. 5c oz. 25c; ¼ lb. 60c; 1 lb. $1.75; postpaid.

R. H. Co.'s Euroka This valuable variety is as early as Large Wakefield, produces fine, solid, flat heads in 75 to 80 days from sowing the seed. Pkt. 10c; oz. 50c; ¼ lb. $1.50; 1 lb. $4.00; postpaid.

Mammoth Red Rock The largest and hardest heading red cabbage ever cultivated; very uniform in size, weight, solidity and deep red color. Pkt. 10c; oz. 30c; ¼ lb. 75c; 1 lb. $2.50; postpaid.

Charleston or Large Wakefield The one big advantage of Charleston is its greater size, where large-sized cabbage are wanted either for market or for vases. It is fully one-third larger than the Jersey Wakefield and therefore more popular. Heads are solid, pointed and is a heavy yielder. Pkt. 5c; oz. 25c; ¼ lb. 65c; 1 lb. $1.75; postpaid.

YELLOW RESISTANT VARIETIES

The following varieties are resistant to the dreaded "yellows," the most destructive of all cabbage diseases. All season resistant seed is the only cure.

All Seasons Yellow Resistant Solid flat early, produces large size head, absolutely resistant to yellows. Pkt. 10c; oz. 50c; ¼ lb. $1.25; 1 lb. $4.00; postpaid.

All-Head Early Yellow Resistant Medium in maturity, solid header resistant to yellows. Pkt. 10c; oz. 50c; ¼ lb. $1.50; 1 lb. $4.50; postpaid.

Marion Market Yellow Resistant Selected from Copenhagen Market; round head, short stem, early to mature, highly resistant to yellows. Pkt. 10c; oz. 60c; ¼ lb. $1.50; 1 lb. $4.50; postpaid.

Pe-tsai (Chinese or Celery Cabbage) Has a mild cabbage flavor, very delicate and very fine salad. The culture is the same as for cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height, thin to 10 inches apart. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. $2.00; postpaid.

CABBAGE PLANTS

Frost-Proof Cabbage Plants should be set out 4 to 6 weeks earlier than home-grown plants. They will mature fine hard heads three weeks before hotbed plants.

Varieties: Jersey Wakefield, Charleston Wakefield, Succession and Early Flat Dutch.

Prices: Charleston, 500, $1.00; 1000, $2.00.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Prices:Parcel post paid, 100 35c; 500, $1.25; 1000, $2.25.

Frost-Proof Cabbage Plants should be set out 4 to 6 weeks earlier than home-grown plants. They will mature fine hard heads three weeks before hotbed plants.

Cabbage Plants:

Copenhagen Market

One of the earliest round head or flat cabbages. Almost as quick maturing as Charleston Wakefield. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.00; postpaid.
CARROTS

CULTURE—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre. 

Danver's Half Long Rich, light orange colored; good quality. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. 85c; postpaid.

Half-Long Scarlet One of the best for home or market. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. 80c; postpaid.

Early Scarlet Horn Very early, rather blunt-rooted; color orange-red. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. 85c; postpaid.

Improved Long Orange Long and tapering; deep orange. Pkt. 5c; oz. 15c; ½ lb. 30c; 1 lb. 75c; postpaid.

Oxheart A short, chunky, early variety as thick through as it is long. Especially adapted for hard, still soil where longer varieties would not thrive. Pkt. 5c; oz. 10c; ½ lb. 35c; 1 lb. 85c; postpaid.

White Belgian Grown exclusively for stock feeding. Elongated about 10 to 12 inches in length; very thick. The flesh and skin are pure white. Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 70c; postpaid.

Yellow Belgian Similar to the preceding, but of a pale orange color. The flesh is light orange. The roots are produced entirely under ground. A productive and nutritious stock-feeding carrot. Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 70c; postpaid.

CAULIFLOWER

CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; mulch heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants.

Dry Weather Adapted for growing in dry locations when other varieties fail. It produces large, solid heads. Pkt. 10c; oz. $1.25; ½ lb. $3.60; postpaid.

Early Snowball A sure header, large, solid, perfectly white and good quality. Pkt. 10c; oz. $1.25; ½ lb. $3.75; postpaid.

Lecerf Self-Folding A new variety with self-folding leaves which protect the heads when blooming. Pkt. 10c; oz. $1.00; ¼ lb. $4.00; postpaid.

CAULIFLOWER PLANTS

Early Snowball, ready about March 10th. Postpaid. 25 50c; 100 $1.25. Not prepaid. 25 30c; 100 $1.00.

COLLARDS

CULTURE—One ounce of seed will produce about 2,000 plants. Sow in spring or summer. Use same methods as for Cabbage, either sow in seed beds or in the row where desired to stand. If sown in rows, thin out as desired.

Georgia White Cabbage Called Cabbage Collard, on account of its close, bunching growth. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

North Carolina Buncome Large spreading leaves. Very hardy; good flavor. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 70c; postpaid.

Southern, or Georgia This variety is the old-time variety, and is by far the best; stands most any conditions, being very hardy. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

KILL THE BUGS

If you want good vegetables, don't give the bugs a chance. Use SLUG SHOT—it's non-poisonous and effective. 1 lb. 20c; 5 lbs. 60c. By mail, 1 lb. 30c; 5 lbs. 75c.

CELEY

CULTURE—Sow in beds in February or March and keep well watered. Transplant to most, mucky soil; six inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

Giant Pascal Blanches very quickly after earthing up and is a beautiful yellowish-white color; very solid and crisp, and of a sweet flavor. Pkt. 5c; oz. 25c; ½ lb. 70c; 1 lb. $2.25; postpaid.

Golden Self-Blanching solid, good flavor. Pkt. 5c; oz. 35c; ½ lb. 90c; 1 lb. $2.75; postpaid.

Henderson's White Plume One of the best for early use; good quality; blanches easily. Pkt. 5c; oz. 25c; ½ lb. 70c; 1 lb. $2.50; postpaid.

Winter Queen One of the most desirable of winter celeries. Broad and solid heart stalks, which Blanch entirely-white and tender. Pkt. 5c; oz. 25c; ½ lb. 75c; 1 lb. $2.00; postpaid.

Celeriac Turnip-rooted celery. The roots have been developed by cultivation and are excellent for soups and stews, also cooked and sliced as a salad. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.50; postpaid.

CELEY PLANTS

Varieties: Giant Pascal; Henderson's White Plume. Ready about April 1st. Price postpaid. 25 25c; 100 60c.

CORN SALAD OR FETTICUS

Main stalks are blanched like Celery. Used for salad or in soups. Pkt. 10c; oz. 50c; ¼ lb. $1.50.

CHICORY

Sow in April and transplant in trenches 1 foot deep. Valuable as a salad as well as a vegetable.

Magdeburg Used for the roots. Cut in slices and dried makes substitute for coffee. Pkt. 10c; oz. 20c; ¼ lb. 45c; postpaid.

Witloof Used for the top. Also called French Endive. Pkt. 10c; oz. 25c; ¼ lb. 75c; postpaid.

CORN SALAD OR FETTICUS

One ounce will sow about 18 square feet. Sow in September or October. Large, round-leaved. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. $1.25; postpaid.

QUANTITY PRICES: For quantity prices, see Green Ink Price List enclosed.

CRESS, or Pepper Grass

One ounce will sow about 15 square feet. Pkt. 5c; oz. 20c; ½ lb. 50c; 1 lb. $1.25; postpaid.
GARDEN AND SWEET CORN

CULTURE—For early market, plant the first seven varieties latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 6 quarts to the acre.

Extra Early Adams

10c; pt. 20c; qt. 35c.

Not a Sugar Corn, but is grown for early use. Ears short. Postpaid, 1/2 pt. 15c; pt. 35c; qt. 45c. Not prepaid, 1/2 pt. 25c; pt. 40c; qt. 55c.

Early Large Adams

pt. 20c; qt. 35c.

About a week later than Extra Early, has larger ears. Postpaid, 1/2 pt. 15c; pt. 35c; qt. 45c. Not prepaid, 1/2 pt. 10c; pt. 20c; qt. 35c.

Improved Adams

A fine variety, slightly larger than Early Adams. One week later. Postpaid, 1/2 pt. 15c; pt. 35c; qt. 45c. Not prepaid. 

R.H. Co.'s Early Surprise

A splendid corn, coming in directly after Adams Early, but much larger. Has a soft white grain. Postpaid, 1/2 pt. 15c; pt. 35c; qt. 45c. Not prepaid, 1/2 pt. 10c; pt. 20c; qt. 35c.

Country Gentleman

Small cob; long slender, white grains, which are very sweet. Postpaid, 1/2 pt. 20c; pt. 35c; qt. 50c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 40c.

STOWELL'S EVERGREEN

The standard and best known Sweet Corn. Ears 8 to 9 inches long, 10 to 15 rows of large, deep, sweet grain. Postpaid, 1/2 pt. 20c; pt. 35c; qt. 50c. Not prepaid, 1/2 pt. 15c; pt. 25c; qt. 40c.

BLAND'S Extra Early

The earliest of all the Garden Corns. Fully a week earlier than Extra Adams. It makes an attractive ear of good size and fine quality, the grains are pearly white, plump, milky and tender. If you are like most gardeners and take a pride in having the earliest corn in your neighborhood you will have to plant Bland's. Postpaid, 1/2 pt. 15c; pt. 35c; qt. 50c. Not prepaid, 1/2 pt. 20c; pt. 30c; qt. 50c.

PLANT STAKES

Wooden, painted green. Fine for staking Dahlias, Peonies, etc.

3 ft., doz. $1.85; 100 $12.00.
4 ft., doz. 2.40; 100 15.50.
5 ft., doz. 2.95; 100 20.00.
CUCUMBERS

CULTURE—For very early crop plant in hotbeds; for later crop plant from April to July, in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

Chicago Pickling Fine for market gardeners. Medium length, pointed at each end; has large spines, deep green, very prolific. Good for pickling. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.00; postpaid.

Evergreen White Spine An extra early, White Spine strain, producing very uniform fruit in great abundance. Fruit averages from eight to ten inches long and is of the finest quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.00; postpaid.

Extra Early Long Green One of the earliest and very productive. Fruit quite uniform; about 7 inches long and well rounded at both ends; of bright green color. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

Early Fortune One of the best selections of the White Spine type; is becoming very popular among the market men of the South. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

Early Green Cluster A very popular early cucumber, producing its fruit in small clusters. Average length is about 5 inches; skin prickly. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

Everbearing This variety is of small size; very early, enor¬mously productive, and valuable as a green pickle. Its peculiar merit, however, is the vines continue to flower and produce fruit until killed by frost. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

Improved Long Green A fine bearer of superior quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

Improved Early White Spine An improved strain of the White Spine; good for forcing or outdoors. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

DANDELION

One ounce will sow 100 feet of row
Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with ¼ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens, the roots as a substitute for coffee. Pkt. 10c; oz. 35c.

Insect Remedies Mixture kills insects and prevents diseases. Two pounds arsenate of lead mixed with 50 pounds Bordeaux mixture kills insects and prevents diseases. One pound arsenate of lead mixed with 20 pounds land plaster kills the striped cucumber bug. Apply as soon as the plants appear.

DILL Mammoth An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. 90c.

QUANTITY PRICES—For quantity prices on Cucumbers, see Green Ink Price List enclosed.

RED ARROW INSECT SPRAY

Non-poisonous to man, child, bird or pet. Deadly to insects; will not burn or blight the tenderest leaf or stain the most delicate blossom. Endorsed by State and U.S. Dept. of Agriculture Entomologists. RED ARROW Insect Spray is especially recommended to keep insects and worms out of cucumber, cantaloupe and squash, and for use on turnip and other plants. 1 oz. bottle 35c; by mail 45c. ½ lb. bottle $2.00; by mail $2.10.

Kirby's Stay Green A special strain for market gardeners, introduced by Simon & Son. Pkt. 10c; oz. 15c; ¼ lb. 45c; 1 lb. $1.25.

Davis Perfect Possesses all the merits of the best slicing varieties. Their handsome shape and fine dark green color command the highest price of the market. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

Jersey Pickle A favorite with pickel growers and commercial market gardeners; good for table use; very productive. Fruit small and uniform in size. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. $1.00; postpaid.

Gherkin or Burr Used only for pickling. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

DANDELION

Improved Long Green

Early Fortune

Davis Perfect
EGGPLANT

**CULTURE:** Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

**New York Improved Purple** The old standard variety. Pkt. 5c; oz. 40c; % lb. $1.20; 1 lb. $4.00; postpaid.

**Black Beauty** This is the best and of all large-fruited Eggplants. Fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish-black. Pkt. 5c; oz. 40c; % lb. $1.20; 1 lb. $4.00; postpaid.

**Florida High Bush** Stands heat well; the fruit is round, smooth and very large; color bright purple. Pkt. 5c; oz. 50c; % lb. $1.25; 1 lb. $4.25; postpaid.

**Early Long Purple** The first one ready for market; fruits long, bluish-black, and of good size. Pkt. 5c; oz. 40c; % lb. $1.15; 1 lb. $3.90; postpaid.

**EGGPLANTS**

Variety: Black Beauty. Ready about April 20th. Postpaid, doz. 25c; 50 75c; 100 $1.25. Not prepaid, doz. 20c; 50 50c; 100 85c.

**ENDIVE**

**CULTURE:** One ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

**HERB SEEDS**

- **BASIL, Sweet**—For flavoring soups. Postpaid, Pkt. Oz. $1.10 $1.50.
- **DILL, Mammoth**—Used for flavoring pickles. Pkt. 5c; oz. 10c; % lb. 15c; 1 lb. 60c; postpaid.
- **LAVENDER**—Used for its odor. Pkt. 5c; oz. 10c; % lb. 15c; 1 lb. 60c; postpaid.
- **MARJORAM, Sweet**—Used in seasoning meats. Postpaid, Pkt. Oz. $1.10 $1.50.
- **ROSEMARY**—For seasoning meats and soups. Pkt. 5c; oz. 10c; % lb. 15c; 1 lb. 60c; postpaid.
- **SAVORY, Summer**—Used as a culinary herb. Postpaid, Pkt. Oz. $1.10 $1.50.
- **SAGE, Broad Leaved**—A popular plant. Postpaid, Pkt. Oz. $1.10 $1.50.
- **THYME**—Much used for seasoning. Postpaid, Pkt. Oz. $1.10 $1.50.

**HORSERADISH ROOTS**

- **Maliner Kren (Bohemian)** Large, strong cuttings 50c per doz. $2.50 per 100; $15.00 per 1000. If wanted by mail, add 10c per 100 for postage.

**KALE**

**CULTURE:** Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

**Tall Curled Scotch** A beautiful curled variety; fine for spring planting. Pkt. 5c; oz. 10c; % lb. 15c; 1 lb. 75c; postpaid.

**Dwarf Curled Green Kale** Leaves curled. The best variety for Fall sowing. Stands all winter. Pkt. 5c; oz. 10c; % lb. 25c; 1 lb. 60c; postpaid.

**GARLIC**

"Plant in spring or fall in rows, cultivate and harvest same as onions." % lb. 20c; 1 lb. 50c; postpaid.

**HOTKAP PLANT PROTECTORS**

Matures crops earlier; shields plants from wind, rain and light frosts; protects them from insects; keeps dirt soft—miniature "hothouses." A revolutionary device that saves much in time, labor and money. 1,500 Hotkaps used on an acre, average.

Full directions in free circular.

Price 100 with garden setter $2.50. By mail $2.75.

1000 Hotkaps without setter, $11.50.

"Trial Box" consisting of 250 Hotkaps with one new style Garden Setter made of fibre for $4.00; by mail $4.40;

Garden Setter alone, 50c; by mail 60c.

**HOTKAP SETTERS.** Metal. Used when large quantities are set. $3.50 extra; by mail $3.65.

**LEEK**

**London Flag** Pkt. 5c; oz. 25c; % lb. 50c; 1 lb. $1.50; postpaid.

**GOURDS**

Dipper Gourds, Nest Egg Gourds, Sugar Trough, Dish Rag, or Luffa-Orange Gourds, Hercules Club. Pkt. 5c; oz. 25c; % lb. 50c; 1 lb. $1.50; postpaid.

**KOHLE-RABI**

Combines the flavors of the cabbage and turnip and makes a splendid dish if used when 2 to 3 inches thick. Sow in drills as early as the ground can be worked, thinning out to stand 5 to 6 inches in the row. For a succession, sow every two weeks till end of April. For fall use, plant in August or early September.

**Early White Vienna** This is the best and earliest variety for table use. Pkt. 5c; oz. 25c; % lb. 50c; 1 lb. $1.50; postpaid.

**LEEK**

**London Flag** Pkt. 5c; oz. 25c; % lb. 50c; 1 lb. $1.50; postpaid.

**GOURDS**

Dipper Gourds, Nest Egg Gourds, Sugar Trough, Dish Rag, or Luffa-Orange Gourds, Hercules Club. Pkt. 5c; oz. 25c; % lb. 50c; 1 lb. $1.50; postpaid.

**HOTKAP PLANT PROTECTORS**

Germico

New Method of Plant Protection

Matures crops earlier; shields plants from wind, rain and light frosts; protects them from insects; keeps dirt soft—miniature "hothouses." A revolutionary device that saves much in time, labor and money. 1,500 Hotkaps used on an acre, average.

Full directions in free circular.

Price 100 with garden setter $2.50. By mail $2.75.

1000 Hotkaps without setter, $11.50.

"Trial Box" consisting of 250 Hotkaps with one new style Garden Setter made of fibre for $4.00; by mail $4.40;

Garden Setter alone, 50c; by mail 60c.

**HOTKAP SETTERS.** Metal. Used when large quantities are set. $3.50 extra; by mail $3.65.
Japanese Mustard-Spinach is ready for the market in 22 days after planting. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

**All Seasons**

One of the best head lettuce; stands the hot, midsummer sun without burning. Heads are very solid, large and of a most desirable light green color. Pkt. 5c; oz. 20c; 1/4 lb. 50c; 1 lb. $1.50; postpaid.

**Black-Seeded Simpson**

One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color; very tender, crisp and of fine quality. A fine sort for summer, as it withstands the heat also for the home garden. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

**California Cream Butter**

Dark green, round, thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor. Pkt. 5c; oz. 25c; 1/4 lb. 60c; 1 lb. $1.75; postpaid.

**Chicken Lettuce**

Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any “greens” plant. When once cut, it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt. 5c; oz. 25c; 1/4 lb. 50c; 1 lb. $1.25; postpaid.

**Early Curled Simpson**

A grand Head Lettuce sometimes called California and Los Angeles, furnishes fine, crisp lettuce during the hot summer months. This is one of the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious. Pkt. 5c; oz. 25c; 1/4 lb. 60c; 1 lb. $1.75; postpaid.

**Improved Hanson**

Globe shaped, large, well formed, firm head of round shape with very solid, large and of a most desirable light green color. Outer leaves so compact that the inner ones are blanched almost white. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

**New York or Wonderful**

A very early heading sort, of fine appearance and quality. Outer leaves light green, under leaves are blanched to a buttery yellow tint. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

**Wayahead**

A very early, firm heading sort, of fine appearance and quality. Outer leaves light green, under leaves are blanched to a buttery yellow tint. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

**LETTUCE PLANTS**

Varieties: Big Boston and New York or Wonderful. Ready about March 1st. Postpaid, 50 25c; 100 45c. Not prepaid, 50 20c; 100 35c; 1000 $2.75.
**Musk Melon or Cantaloupe**

**CULTURE**—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills. For borers or worms spray as soon as blossoms appear with BordoArsenate and add Blacklead 40.

**Acme, or Baltimore** One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. $1.00; postpaid.

**Banana** Long shaped like a banana; has a most delicious flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

**Early Green Nutmeg** An early variety of medium size; nutmeg in shape and thickly netted. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. 85c; postpaid.

**Honey Ball** A little larger than Rocky Ford, as is round as a ball, has thick green flesh. Honey Ball is quite early, enormously productive, and has a flavor and sweetness which will add greatly to its popularity. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. $1.25; postpaid.

**Honey Dew** A splendid variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

**Hale’s Best** Produces melons of uniform standard size, 90 per cent of which are completely covered with a beautiful gray, lace-like netting which, with the small seed cavity, are the most essential points in carrying and keeping qualities of the Cantaloupe. The flesh is green, tinged with a delicate salmon-pink around the seed cavity, which is the smallest of any strain of Rocky Ford. The flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

**Lake Champlain** The flesh is a rich golden color, free from stringiness, fine-grained, melting, juicy, sweet delicious flavor clear to the rind. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. $1.50; postpaid.

**Osage, or Miller’s Cream** A medium to large sized salmon fleshed melon of excellent quality. The fruits are oval, dark green in color, slightly ribbed and partly covered with shallow gray netting. The flesh is salmon colored, fine-grained and highly flavored. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25; postpaid.

**Large Hackensack** A very popular variety is round in shape and flattened at the ends; skin green and thickly netted; the flesh also is green, rich and sugary in flavor. Pkt. 5c; oz. 15c; ¼ lb. 55c; 1 lb. $1.00; postpaid.

**Quantity Prices—See Green Ink List enclosed for quantity prices on Cantaloupe Seed**

**Top Notch Seeds, Bulbs, Fruit Trees and Poultry Supplies**
WATERMELONS

CULTURE—One ounce to forty hills; three or four pounds to the acre. Drop seed in well manured hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.

New Wonder
In shape large and long, somewhat resembling the Watson, only thicker. The color is a dark solid green. The rind is thin but tough. The flesh is red, heart solid, and does not show a hollow. Is an exceptionally fine eating melon for home use and market. The seed is white, but few in the melon. We recommend it very highly and feel sure our customers will be more than pleased with it. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. 90c; postpaid.

Black Diamond
Immense in size, and grows to average 70 to 90 lbs.; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c; postpaid.

Florida Favorite
Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 85c; postpaid.

Thurmond Grey Watermelon
A remarkably new delocious melon, a big money-maker and supreme satisfaction to all who grow it. The flesh is bright sparkling red, the flavor is deliciously sweet and satisfying. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.00; postpaid.

Golden Honey
The flesh is bright, golden-yellow, as sweet as sugar. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.00; postpaid.

Angel’s Kiss
A Delicious Watermelon. Angel’s Kiss is a handsome melon of large oblong shape. The flesh is a bright red, solid, firm and of melting flavor. The vine is a remarkably strong, vigorous grower and a heavy bearer of large silvery-gray melons with very tough thin rind. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.00.

QUANTITY PRICES—For quantity prices on Watermelon Seed, see Green Ink List enclosed.

HOTKAPS
New method of Plant Protection. Protects plants from frost. Matures crops earlier; keeps insects out. HotKaps are called individual hothouses. Ask for circulars. 100 $2.50; 250 with setter $4.00; 1,000 $11.50. By mail, 100 $2.75; 250 $4.40.

Stone Mountain
This is one of the very best of melons and is sure to become one of the most popular. It is extra large, is round or nearly round in shape, with a beautiful dark green rind; the flesh is an attractive scarlet color, and as delicious as any you ever tasted. We know that Stone Mountain is sure to satisfy as a home garden variety, and with careful packing can be easily shipped or hauled to market, and when once on the market will outsell any other variety. Extra select seed, saved only from the best and largest melons. Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. $1.50; postpaid.

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VIGORO
Specially Prepared Plant Food

Watermelons and Cantaloupes are heavy feeders and must have ample plant food and the right kind.

Vigoro will produce larger and better quality melons and more of them. Use two to four tablespoonfuls to each hill; don't let seed come in contact with the fertilizer.

5 lbs. 50c. By mail, 65c; 25-lb. sack $1.75.
R.-H. Co.'s Big Boy Watermelon

**R.-H. Co.'s Big Boy** In size, the biggest that grows. Melons average 60 pounds. Some weigh 100 pounds. Oval in shape, dark mottled-green rind with dark red flesh that is very sweet. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $1.25; postpaid.

Special Kleckley Sweet

**Special Kleckley Sweet** This is an extra selected stock of this splendid, well-known and popular melon. Seed is saved only from specimen melons as nearly uniform as possible. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $1.50; postpaid.

Kleckley Sweet

**Kleckley Sweet** Immensely popular because of its superb flavor and surpassing crispness; is not recommended for shipping, but for nearby markets and for home consumption it has no superior. This melon has a rich mellow taste that has made it one of the greatest watermelons for table use. It is not overly large, but is medium in size, oval-shaped, with an average length of about 18 to 20 inches. It is mottled green on the outside with the flesh a bright red and of extremely fine quality. The seeds of this melon are white and grow close to the rind, outside of the big, bright scarlet heart. Pkt. 5c; oz. 15c; ½ lb. 40c; 1 lb. $1.50; postpaid.

Special Irish Gray

**Special Irish Gray** This is another one of our special strains which we have selected only the choicest melons as nearly uniform as possible. Pkt. 10c; oz. 25c; ½ lb. 50c; 1 lb. $1.75; postpaid.

**IRISH GRAY**

In sweetness it is like Kleckley's Sweets; in shipping quality, uniformity in shape, size and in productiveness it compares with Tom Watson. The thin rind is so tough that it will not burst from rough treatment in transit; its keeping quality will appeal to shippers who have experienced losses on account of glutted markets. The color is a distinct mottled grey; the flesh is red, sweet, crisp and free from stringiness. Although a grand shipper, it is equally fine for the home garden. Pkt. 5c; oz. 15c; ½ lb. 40c; 1 lb. $1.25; postpaid.

Georgia Rattlesnake

**Georgia Rattlesnake** One of the largest and best known watermelons cultivated in the South. The fruits are very long, of a light green color, distinctly blotched and striped with a darker shade. The flesh is bright scarlet, fairly tender and sweet. A second early variety suitable for both shipping and home use. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. 90c; postpaid.

Special Georgia Rattlesnake

**Special Georgia Rattlesnake** This is extra selected stock from our special strain. Saved only from the very best melons; uniform in size and color. Pkt. 10c; oz. 35c; ½ lb. 50c; 1 lb. $1.00; postpaid.

Tom Watson

**Tom Watson** The most popular shipping melon grown. The melons are large, long and dark green like the Kleckley's Sweet, but larger and has a tougher rind, giving it exceptionally fine shipping qualities. The flesh is rich red, solid, sweet and luscious and ripens close up to the rind. Although a shipping melon, its fine quality commends it to the home gardener. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. $1.25; postpaid.

Special Tom Watson

**Special Tom Watson** These are from our grower who has selected only the choicest and largest melons. If you want something extra good try this special strain. Pkt. 10c; oz. 25c; ½ lb. 50c; 1 lb. $1.50; postpaid.

Halbert Honey

**Halbert Honey** Halbert Honey is one of the sweetest of all Watermelons. The fruits are of handsome appearance and regular in form. They are large, measuring 18 to 20 inches in length, and from 6 to 8 inches in diameter. The color of the skin is a deep green, showing fine veins. The melons weigh about 35 pounds each. The flesh is a beautiful crimson color and the rind is very thin. Pkt. 5c; oz. 15c; ½ lb. 40c; 1 lb. $1.25; postpaid.

**All Heart** A distinct variety and well worthy of cultivation. Flesh is bright scarlet, sweet and luscious; a strong, vigorous grower; solid as a cannonball and averages 30 to 40 pounds. The seeds are very small. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.50; postpaid.

**QUANTITY PRICES**—For quantity prices on Watermelon Seed, see Green Ink Price List enclosed

February 20th, 1929.

Russell-Heckle Seed Co., Memphis, Tenn.

Gentlemen: Last year I raised a R.-H. Co.'s Big Boy Watermelon that weighed 83 pounds from seed that I ordered from you. In fact, all the different kinds of seeds that I bought of you did extra well.

Very sincerely yours,

A. T. DUNLAP
Perry, Ark., Rt. No. 1.
MUSTARD

CULTURE—Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

Long Standing Giant Curled Will not go to seed as quick as the ordinary variety, very beautiful, curled tender leaves. Pkt. 5c; oz. 10c; ½ lb. 50c; 1 lb. 60c; postpaid.

Elephant Ear Leaves smooth, broad and tender at all times. Pkt. 5c; oz. 10c; ½ lb. 15c; 1 lb. 45c; postpaid.

Chinese Mammoth An excellent sort with very large, light green, plain smooth leaves. Pkt. 5c; oz. 10c; ½ lb. 15c; 1 lb. 45c; postpaid.

Ostrich Plume Leaves dark green, which curve outward like a fine ostrich plume. Pkt. 5c; oz. 10c; ½ lb. 20c; 1 lb. 50c; postpaid.

Southern Giant Curled Leaves are large, light green, much crimped and frilled at the edges. Pkt. 5c; oz. 10c; ½ lb. 15c; 1 lb. 40c; postpaid.

White London Leaves smooth and deeply cut, dark green. Pkt. 5c; oz. 10c; ½ lb. 15c; 1 lb. 40c; postpaid.

OKRA

CULTURE—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

Early Dwarf Green Very early; pods green and tender. Pkt. 5c; oz. 10c; ½ lb. 20c; 1 lb. 50c; postpaid.

Kleckley's Favorite Produces long, tender, smooth pods, which are round; light green in color. Pkt. 5c; oz. 10c; ½ lb. 20c; 1 lb. 60c; postpaid.

Tall or Long Green Long ribbed pods; very productive. Pkt. 5c; oz. 10c; ½ lb. 20c; 1 lb. 50c; postpaid.

White Velvet Very productive, producing round, smooth white pods. Pkt. 5c; oz. 10c; ½ lb. 20c; 1 lb. 45c; postpaid.

ONION SEED

CULTURE—Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

Onion Sets

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.

ONION SETS

CULTURE—Plant 4 to 6 inches apart in 12 to 24-inch rows. Plant in spring or fall in fine rich soil, well manured.

Red Wethersfield Postpaid, qt. 30c; gal. 60c. Not prepaid, qt. 20c; gal. 40c.

Yellow Danvers Postpaid, qt. 30c; gal. 60c. Not prepaid, qt. 20c; gal. 40c.

White or Silver Skin Postpaid, qt. 30c; gal. 60c. Not prepaid, qt. 20c; gal. 40c.

White Multiplier Postpaid, qt. 30c; gal. 60c. Not prepaid, qt. 20c; gal. 40c.

ONION SEED

CULTURE—Sow in January or February in hotbeds. Transplant to 12-inch rows; 3 inches apart. Sow outdoors in rows in March.

Australian Brown The best keeping variety, red flesh-brown. Pkt. 5c; oz. 15c; ½ lb. 50c; 1 lb. 1.50; postpaid.

Japanese or Ebenezer A very fine round yellow onion. Pkt. 5c; oz. 20c; ½ lb. 60c; 1 lb. 1.75; postpaid.

Large Red Globe Grows to good size; rich red color. Pkt. 5c; oz. 20c; ½ lb. 50c; 1 lb. 1.75; postpaid.

Large Red Wethersfield Medium early; skin is purplish-red. Pkt. 5c; oz. 20c; ½ lb. 50c; 1 lb. 1.75; postpaid.

Prizetaker Very large and solid; skin rich yellow. Pkt. 5c; oz. 20c; ½ lb. 75c; 1 lb. 2.00; postpaid.

Red Italian Dark red, flat. Pkt. 10c; oz. 35c; ½ lb. 1.25; 1 lb. 3.50; postpaid.

Southport White Globe Handsome globe-shaped bulbs. Pkt. 5c; oz. 25c; ½ lb. 50c; 1 lb. 2.50; postpaid.

Sweet Spanish Very mild in flavor, large bright yellow. Pkt. 5c; oz. 20c; ½ lb. 75c; 1 lb. 2.25; postpaid.

White Silver Skin Pure white; mild flavor. Pkt. 5c; oz. 25c; ½ lb. 75c; 1 lb. 2.25; postpaid.

Yellow Globe Danvers Globe-shaped; large. Pkt. 5c; oz. 20c; ½ lb. 60c; 1 lb. 1.75; postpaid.

Yellow or Straw Colored Bermuda Light yellow or straw color; very sweet and mild. (Teneriffe grown.) Pkt. 10c; oz. 50c; ½ lb. 1.30; 1 lb. $5.00; postpaid.

Crystal White Wax This is the pure White Berlin Onion. Pkt. 10c; oz. 30c; ½ lb. 75c; 1 lb. 2.75; postpaid.
PARSNIPS

CULTURE—Soak seed in water for a few hours and sow in rich soil early in Spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

Sugar, or Hollow Crown The Hollow Crown is probably grown more universally than any other Parsnip. Roots very large, smooth, white and of excellent flavor, easily harvested, 12 to 15 inches in length and often 3 inches in diameter at the top, with a hollow crown about the stem. Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 75c; postpaid.

PEPPERS

CULTURE—One ounce will produce about 1,000 plants. For early plants sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows.

Bell, or Bull Nose A large early sort of mild flavor. Fruits are large. Pkt. 5c; oz. 50c; ½ lb. 75c; 1 lb. $1.50; postpaid.

Bird's-Eye or Creole Very hot; used for pepper vinegar. Pkt. 5c; oz. 50c; ½ lb. 1.25; 1 lb. 4.50; postpaid.

Crimson Giant Very large sweet pepper. It is a strong grower and much more productive than the Chinese Giant. Matures early. The flesh is thick, very mild and sweet. Pkt. 5c; oz. 40c; ½ lb. 1.25; 1 lb. 4.50; postpaid.

Chinese Giant This variety is one of the largest and finest Peppers. The plant is about two feet high, of strong vigorous growth, stocky and erect in habit, is quite square, average 4 inches in diameter, and is of a bright, glossy-scarlet when ripe. The flesh is unusually thick and very mild. Pkt. 10c; oz. 50c; ½ lb. 1.50; 1 lb. $4.50; postpaid.

California Wonder A giant-podded sweet Pepper, maturing very early, similar in shape to Bull Nose, but much larger and flesh thicker. Deep green when young and a rich red when ripe, flavor mild. One of the best sorts for salad and large mangoes. Pkt. 10c; oz. 50c; ½ lb. 1.25; 1 lb. 4.50; postpaid.

Ruby Giant Similar to Ruby King. The fruit growing somewhat larger and are a little broader at the base. Pkt. 5c; oz. 25c; ½ lb. 1.25; 1 lb. 75c; postpaid.

Tabasco This variety in used in manufacturing the well-known Tabasco Sauce. Pkt. 10c; oz. 50c; ½ lb. 1.50; 1 lb. 4.50; postpaid.

World Beater Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. Pkt. 5c; oz. 35c; ½ lb. 1.00; 1 lb. 3.75; postpaid.

Harris Early Giant Earliest of all large-fruited sorts. A very large sweet Pepper, producing good crops of long slender twisted pods, bright red when ripe. Pkt. 5c; oz. 25c; ½ lb. 1.00; 1 lb. 3.75; postpaid.

Long Red Cayenne A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe. Pkt. 5c; oz. 25c; ½ lb. 1.50; 1 lb. 4.50; postpaid.

Ruby King A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe. Pkt. 5c; oz. 25c; ½ lb. 1.50; 1 lb. 4.50; postpaid.

Pimento The sweetest Pepper grown, does not contain the slightest trace of bitterness. The plants are extremely productive and Peppers are medium in size and of a shape which is desirable for filling. When fully ripe the Peppers are of brilliant red color and very attractive. Pkt. 5c; oz. 25c; ½ lb. 1.25; 1 lb. 5.00; postpaid.

Red Chili Small red, conical pods, hot and prolific. Pkt. 10c; oz. 35c; ½ lb. 1.50; 1 lb. 4.50; postpaid.

PEPPER PLANTS

Varieties: Chinese Giant, California Wonder and Long Red Cayenne. Ready about April 20th. Postpaid, doz. 25c; 50 50c; 100 $1.25. Not prepaid, doz. 20c; 50 50c; 100 85c.
CULTURE—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow Peas in drills about 2 inches deep in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (*).

These should not be planted until March.

Early Alaska
Matures in 50 days. This is an extra early pea, blue in color, earlier by a few days than any other kind; very fine and prolific; the best flavored Pea among the extra early smooth-podded kinds. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

Ameer
A very prolific early sort, producing medium sized, dark green pods. Height, three feet. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

American Wonder
A dwarf, early wrinkled sort; pods short but well filled; quality excellent. Height, two feet. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Bliss Everbearing
A good variety that continues bearing a long time. Height, three feet. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Champion of England
It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

First and Best Extra Early
The best of the white-seeded, extra early sorts. Height, two and a half feet. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Gradus or Prosperity
Ripens early; vines about three feet high; bears profusely. The pods almost as large as those of Telephone. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Laxton’s Progress
The earliest large-podded dwarf wrinkled Pea, an improvement on Laxtonian and four days earlier. Pods are 4 inches long, broad and pointed, dark green in color, containing eight large deep green peas, which are of the most delicious flavor. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Hundredfold
Large pods. This new wrinkled variety means perfection in dwarf Peas. Hundredfold is the best flavored of the largest podded dwarf-growing sort in existence. It is ready about three days after the earliest sorts and stands well in cold weather. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 45c.

Laxtonian
18 inches. The largest-podded of the dwarf wrinkled peas. A splendid new variety, becoming a favorite with those who grow the market or for the home garden. Postpaid, ½ pt. 20c; pt. 30c; qt. 55c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 45c.

Little Marvel
This Pea has been rightly named. It is an early wrinkled Pea, grows about 12 to 15 inches tall, and bears heavy, pods. There is no earlier wrinkled Pea and the quality satisfies everybody. Pods dark green 3 inches long, round with square end and often contain seven rich, dark green peas. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Large White Marrowfat
Height, five feet. Vines and foliage stout, deep green. Postpaid, ½ pt. 20c; pt. 30c; qt. 55c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 35c.

McLean Little Gem
Hardy, prolific, uniform in habit of growth. Pods medium size and well filled. Medium early. Height, eighteen inches. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Mammoth Melting Sugar
(Edible pod or sugar pea, 5 feet). Cook pod like snap beans. Postpaid, ½ pt. 25c; pt. 40c; qt. 70c. Not prepaid, ½ pt. 20c; pt. 30c; qt. 60c.

Nott’s Excelsior
A medium early wrinkled sort of dwarf habit. Height, fourteen inches. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Russell-Heckle’s First of All
The First of All is fully as early and much larger and more prolific than the best strains of First and Best. The pods are 3½ to 4 inches long and borne in bunches. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Thomas Laxton
Large-podded, extra early Pea. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

Telephone
The vines are tall, about four feet high, producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender and sweet. Postpaid, ½ pt. 20c; pt. 30c; qt. 55c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 45c.

World’s Record
One of the very finest of the large-podded, dwarf peas, though somewhat earlier. Height, 15 inches. Vine and foliage stout, heavy and dark green; pods 3½ inches long, containing 6 to 8 large, dark green peas of superb quality. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

QUANTITY PRICES—For quantity prices on Peas, see Green Ink List enclosed.
R.-H. Co.'s Seed Potatoes

CULTURE—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart. Cover eyes 2 inches; plant in February, March and April for early crops. On account of market fluctuations, we are unable to name exact prices; will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments. All prices quoted are F. O. B. Memphis.

STATE CERTIFIED SEED POTATOES

They cost more but they are well worth the difference. We handle the genuine State Certified Seed Potatoes tagged and inspected according to state and government inspection requirements. Don't be misled and buy or plant just field inspected potatoes—see that the tag is red and reads “State Certified.” You want the best. Send us your orders for the genuine State Certified Seed Irish Potatoes and get them right.

Certified Irish Cobbler Potatoes
A popular, early white potato of fine quality. Very productive. We have State Certified seed of this splendid variety.

Certified Red Triumph
You can depend on our stock of Bliss Red Triumphs. They are smooth, sound and free from diseases and true to type, so tagged and certified by the state which produces them. Remember only State Certified Seed Potatoes can be shipped into Mississippi and other states.

Certified Seed Sweet Potatoes
Plant only disease-free seed Sweet Potatoes and Sweet Potato Slips. They mean better quality and better crops. We ship only State Certified seed stock. Can furnish following varieties:

Certified Nancy Hall—Skin yellow, meat sweet, of clear amber yellow. Prices on request.

Certified Porto Rico Yams—Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge. Prices on request.

Certified Sweet Potato Slips
Certified Nancy Hall Slips. Postpaid, 50c, 25c; 1,000 $1.50. Not prepaid, 500, $1.75; 1,000 $2.00; 5,000, $15.00. Prices subject to market changes.

COLD STORAGE POTATOES

We will have Lookout Mountain, Red Triumph, McCormick and Irish Cobbler in cold storage for late planting, in July and August. Write for prices in June and July.

STATE CERTIFIED SEED POTATO PRICES

We know you want the best, then plant only State Certified Seed Irish Potatoes. Government reports show state certified seed increases the yield 50 to 60 per cent. They cost a little more but in the end they are the cheapest. Why, because you get a better stand and a better crop. We also advise you to use Bayer's Dip Dust on them before you plant.

Quotations on State Certified Seed Potatoes given on Green Ink List enclosed.

Larger Yield of Cleaner Potatoes
Seed treated with Bayer's Dip Dust produces larger yields because of better stand, cleaner and better potatoes, and can be planted sooner.

1 pound treats 10 bushels of cut seed potatoes.
4-oz. pkg., 50c; 1 lb. pkg. $1.75. Cannot be mailed.

RHUBARB

Culture—Plant in the early spring or fall in deep-worked soil four feet apart each way. Mulch freely with manure or coarse litter. After stalks are well rooted and have grown freely, they may be used, and with care will last for years.

Pkt. 10c; oz. 25c; 1/2 lb. 60c; 1 lb. $1.50; postpaid.

RHUBARB ROOTS

Strong two-year-old roots. Each 30c; 6, $1.50; 12, $2.60; postpaid. One-year roots. Each 15c for 75c; oz. $1.25; postpaid. Not prepaid, two-year roots: Each 25c; 6, $1.25; doz. $2.00. One-year roots: Each 10c; 6 for 60c; doz. $1.00.

PUMPKIN

CULTURE—They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize, and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

Striped Cushaw
Very productive, good for table and stock feeding. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.35; postpaid.

Kentucky Yellow Field
A large variety of good quality. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.35; postpaid.

Big Tom
This is one of the largest, most uniform growing and productive varieties known; it has been produced by an annual selection being made for a number of years from the old Golden Marrow. It matures in 120 days and measures 18x12 inches. Pkt. 10c; oz. 15c; 1/4 lb. 50c; 1 lb. $1.50; postpaid.

Japanese Pie
A large crook-necked sort; skin green, striped yellow. Flesh yellow and of fine quality. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.35; postpaid.

Small Sugar
Small, round, flat-ended. Very prolific. Deep orange-yellow flesh, fine-grained and sweet. One of the best for pies. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.35; postpaid.

Tennessee Sweet Potato
Of medium size, creamy white, with light green stripes and fine-grained flesh. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Pumpkins, etc.

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies 37
**RADISH SEED**

**CULTURE**—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter sow in August and September. One ounce sows 50 feet in drills—10 to 12 lbs. to the acre.

### Early Scarlet Turnip
A very early, small, round radish. Entire radish is of a rich scarlet color.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Early Long Scarlet Short Top
Early, very short top; splendid shape and color.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Early White Turnip
Both skin and flesh of pure white.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Early Scarlet Turnip White Tip
Market gardeners favor this radish for outdoor planting. Turnip-shaped; handsome scarlet in color, with a distinct white tip.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### French Breakfast
A very popular French variety of very rapid growth, color scarlet, tipped with white and small in size.

Pkt. 5c; oz. 10c; ½ lb. 30c; 1 lb. 75c; postpaid.

### Cooper's Sparkler
This radish is an improved type of the Scarlet Turnip White Tip Radish and is superior to the original. The top half is beautiful scarlet, the bottom half clear white.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### China Rose Winter
One of the very best fall and winter use, bright rose color, flesh white and firm, superior quality.

Pkt. 5c; oz. 10c; ½ lb. 30c; 1 lb. 75c; postpaid.

### Long Black Spanish Winter
Grayish black in color, pungent, exceedingly crisp.

Pkt. 5c; oz. 10c; ½ lb. 35c; 1 lb. 75c; postpaid.

### R.-H. Co.'s Perfection White Tip Radish
The most attractive bunching radish on the market—the best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early; crisp and tender.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Icicle
Long, slender, pure white, the earliest and finest long, white radish.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Chartier
One of the best long radishes for planting outdoors for early summer use in the home garden. It is also used for market use. The tops are medium-sized, and the roots are in good condition for the table when one-half inch thick, and continue tender and crisp until they reach a diameter of about one inch. The roots are rather long, averaging 7 to 8 inches when mature, bright scarlet-rose in color, shading into white at the tip. Ready for table use in about 30 days after planting.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Scarlet Button
One of the very finest radishes, perfectly round, of attractive bright red color, and have only a very few short leaves. The quality is all that could be desired; flesh white, very firm, crisp and mild.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Early Scarlet Globe
A very distinct shape, brilliant red color, short-leaved, crisp and white, of excellent flavor.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### White Chinese
This is the Mammoth and finest of the Chinese varieties; they grow to a very large size, from 12 to 15 inches long and 5 inches in diameter, and mostly above ground; the roots are shaded by its heavy foliage, and are always crisp and mild. A very desirable variety for Fall and Winter.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

### Mixed Radishes
A general mixture of all varieties, giving you radishes for the whole season at one planting.

Pkt. 5c; oz. 10c; ½ lb. 25c; 1 lb. 60c; postpaid.

**QUANTITY PRICES**—For quantity prices on Radish Seed, see Green Ink List enclosed.

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### GATOR HIDE MULCH PAPER
Laid between the rows of any growing crop makes cultivation unnecessary; holds the moisture; increases the crop. Ask for circulars.

**Price, Type B:**
- 36-in Gator Hide Mulch Paper, 150 lineal yards, $7.00.

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**QUANTITY PRICES**—For quantity prices on Radish Seed, see Green Ink List enclosed.
**SALSIFY**
*(Oyster Plant)*

**CULTURE**—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 15 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

*Mammoth Sandwich Island*  
This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt. 5c; oz. 20c; 1 lb. 60c; 1 lb. $2.00; postpaid.

**SPINACH**

**CULTURE**—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown from September until November. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

*Chard*  
Swiss Chard or Silver

**Lucullus Beet** Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety. Pkt. 5c; oz. 15c; 1/4 lb. 25c; 1 lb. 75c; postpaid.

**SQUASH**

**CULTURE**—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

*Early White Bush*  
The well-known summer variety. Pkt. 5c; oz. 15c; 1/4 lb. 35c; 1 lb. $1.00; postpaid.

*Cocozella (Italian Marrow)*  
Frutt large oblong shaped, dark green at first, but as they mature become marbled with yellow and lighter green stripes. Pkt. 10c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

*Golden Custard*  
Bush form similar to the White Bush, but yellow and fine quality, being always tender. Pkt. 5c; oz. 15c; 1/4 lb. 35c; 1 lb. $1.00; postpaid.

*Hubbard*  
A favorite winter squash. Flesh rich orange; dry and sweet. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

*Mammoth White Bush*  
Very uniform in size, prolific and fine quality; grows to 12 inches in diameter. Pkt. 5c; oz. 15c; 1/4 lb. 35c; 1 lb. $1.00; postpaid.

*Yellow Summer Crookneck*  
A bush variety: early and prolific; surface deep yellow, densely warted; quality and flavor good. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. $1.25; postpaid.

**QUANTITY PRICES**—For quantity prices on Spinach and Squash, see Green Ink List enclosed.
TOMATOES

CULTURE—The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of April the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants, spray with Pyrox when first fruits have set.

Avon Early This new extra early scarlet-fruited variety is the result of several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet-red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit for a longer period than the other first early varieties. The vines are vigorous and very productive. Pkt. 10c; oz. 30c; ¼ lb. $1.50; 1 lb. $4.50; postpaid.

Acme Early and bears fruit until cut off by frost. Fruit is purplish, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. Pkt. 5c; oz. 30c; ¼ lb. 90c; 1 lb. $2.75; postpaid.

Beefsteak Large fruit, 4 to 5½ inches across, nearly always perfectly smooth, glossy, bright red flesh. Very solid; excellent quality; few seeds; ripening up to stem; good keeper. Pkt. 10c; oz. 30c; ¼ lb. $1.50; 1 lb. $4.50; postpaid.

Bonny Best An excellent extra early variety, maturing between Earliana and Chalk’s Early Jewel. Medium sized, scarlet, smooth, round shape. Pkt. 3c; oz. 30c; ¼ lb. 75c; 1 lb. $2.75; postpaid.

Burpee’s Dwarf Giant A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant, a beautiful purple variety. Pkt. 10c; oz. 30c; ¼ lb. $1.50; 1 lb. $4.50; postpaid.

Brimmer A new tomato which is said to grow larger than any other kind. The fruit is unusually large, of a bright red color, is thick, round and contains but few seeds. Pkt. 10c; oz. 50c; ½ lb. $1.50; 1 lb. $4.50; postpaid.

Earlibell This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is bright crimson, similar to Earliana. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack. Pkt. 10c; oz. 50c; ¼ lb. $1.25; 1 lb. $4.00; postpaid.

Marglobe (New) The Wilt and Nallhead Rust-Resisting Sort. Developed by the Agricultural Department and thoroughly tested in sections where the above diseases are very destructive. The Marglobe was produced by crossing the Livingston Globe with one or more other varieties. A bright red color, of large size, almost round, and very productive. It will pay to try the Marglobe, even if you are not bothered with tomato diseases. It is very promising. Pkt. 10c; oz. 50c; ¼ lb. $1.50; 1 lb. $4.50; postpaid.

Dwarf Ponderosa It is much the largest fruited of all dwarf tomatoes. The color is a rich purple-crimson. Pkt. 10c; oz. 50c; ¼ lb. $1.50; 1 lb. $5.00; postpaid.

Earliana A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder. Pkt. 5c; oz. 30c; ¼ lb. 75c; 1 lb. $2.50; postpaid.

Early Detroit The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. The fruits are of good size throughout the season. Pkt. 5c; oz. 35c; ¼ lb. $1.25; 1 lb. $4.00; postpaid.

Gulf State Market One of the finest early globe-shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep pink-crimson; smooth skin and free from cracks. Pkt. 5c; oz. 35c; ¼ lb. $1.25; 1 lb. $4.00; postpaid.

Special Stock Gulf State Market This seed is more carefully selected by the grower and is of the very highest quality obtainable. Pkt. 10c; oz. 75c; ¼ lb. $2.00; 1 lb. $6.00; postpaid.

QUANTITY PRICES—For quantity prices on Tomato Seed, see Green Ink List enclosed.

PYROX Spray Tomatoes with it and prevent blossom-end rot and worms. 1 lb. jar 50c; 5 lbs. $1.75; F. O. B. Memphis. Not mailable.

RUSSELL-HECKLE SEED CO., Memphis, Tenn.
Livingston’s Globe Extra good, all-round tomato of a distinct globe shape, permitting a greater number of slices from a single fruit than from any other sort. Always smooth, firm fleshed and has but few seeds, especially the early fruits. Very productive—the plants have many short joints at which clusters of 3 to 7 fruits are formed. A purple-pink skin. Pkt. 5c; oz. 40c; ½ lb. $1.00; 1 lb. $3.75; postpaid.

Special Stock Livingston’s Globe This is the very best quality obtainable, sealed in original packages for the growers. Oz. 75c; 1 lb. $5.50; postpaid.

R.-H. Co.’s Red Head Tomato A superb early maturing variety coming into bearing with Earlianna, however, its color is bright red, of larger size and a deep but bright red color and holds its size throughout the season. The vines are vigorous, heavy and do not show any tendency to wilt or leaf curl. Red Head answers for an extremely early or medium maturing variety and is one that will make the gardener money. Pkt. 10c; oz. 50c; ½ lb. $1.25; 1 lb. $4.50; postpaid.

Small or Preserving Tomatoes

RED PEAR SHAPED—Pkt. 10c; oz. 50c; postpaid.
RED PEACH—Pkt. 10c; oz. 50c; postpaid.
YELLOW PEAR SHAPED—Pkt. 10c; oz. 50c; postpaid.
YELLOW PLUM—Pkt. 10c; oz. 50c; postpaid.

Pondorosa, the Giant Tomato

of the large-fruited varieties; this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight; tomatoes grow in beautiful uniform clusters. The fruit is mostly oblong in shape, permitting a greater number of slices from a single fruit

Yellow Pondorosa

Equals Ponderosa in size, but bears rich golden-yellow fruit, weighing almost 1 pound. Pkt. 10c; oz. 60c; ½ lb. $2.00; 1 lb. $5.50; postpaid.

Tomato Plants

Varieties:

EARLY DETROIT
GULF STATE MARKET
LIVINGSTON GLOBE
PONDOROSA
MORGLOBE
STONE

Plants ready about March 25th.

Prices Hotbed or Seedling Stock

Postpaid, 50, 35c; 100, 60c. Not prepaid, doz. 10c; 50, 30c; 100, 50c; 1,000, $5.00.

Price Transplanted Stock

Postpaid, doz. 25c; 50, 60c; 100, $1.00. Not prepaid, doz. 25c; 50, 60c; 100, 75c.

Price Potted Tomato Plants

Postpaid, doz. 60c; 100, $2.50. Not prepaid, doz. 40c; 100, $2.50.

Give second choice of variety in case variety you order is out.

Louisiana Pink A smooth pink wilt-resistant variety grown and selected for ten years by the Louisiana Experiment Station. It is medium early and fair size. Its strong points are that the vines are not subject to Tomato Wilt. It is one of the most troublesome with other kinds. Pkt. 10c; oz. 50c; ½ lb. $1.25; 1 lb. $4.50; postpaid.

Matchless The color is rich red. The skin is so tough that it makes a splendid keeper and shipper, and is less liable to crack than any other large tomato. Unsurpassed for market or table; strong grower and very productive, bearing with undiminished vigor until frost. The fruit is firm from core and the seed spaces comparatively small. Pkt. 5c; oz. 30c; ½ lb. 75c; 1 lb. $2.75; postpaid.

Norton Wilt-Resistant Stone, which variety it resembles in every way, but has a longer bearing season, very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant. Pkt. 5c; oz. 30c; ½ lb. 75c; 1 lb. $2.75; postpaid.

Red Rock A main crop variety; similar in character to the Stone. Very productive and a good shipper. Fruit is a brilliant-red, exceptionally smooth and uniform in size; flesh, very firm; and is excellent for canning. Pkt. 5c; oz. 30c; ½ lb. 90c; 1 lb. $3.00; postpaid.

Trucker’s Favorite

A purple-fruited sort of excellent quality. Fruits are invariable smooth, and the flesh is of finest color throughout. Plants are very thrifty and from ripening to blight and bear continually until killed by frost. Pkt. 5c; oz. 50c; ½ lb. 60c; 1 lb. $2.00; postpaid.

TOBACCO

The seeds are sown in the early spring. When these plants are almost 6 inches high, set out 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

HAVANA—Grown largely for wrappers of cigars.

CONNECTICUT SEED LEAF—An early variety, for smoking and chewing.

IMPROVED WHITE BURLINGTON—Fine for both chewing and smoking.

Price of any of the above varieties: Pkt. 10c; oz. 40c; postpaid.

QUANTITY PRICES—For quantities of Tomato Seed, see Green Ink Price List enclosed.

Calcium Nitrate

(Nitrate of Lime)

Means 100 per cent plant food material completely soluble and available. Calcium available as sole plant food. A good top-dressing fertilizer.

For further information see special insert in this catalog, and for prices see Green Ink Quantity Price List enclosed.
R.-H. CO.’S TURNIP SEED

CULTURE—Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about 1/4-inch. Sow 1/2 pounds to the acre in drills, 2 pounds broadcast.

Extra Early White Milan The earliest turnip. Tops very small, distinctly strap-leaved and tender. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Extra Early Purple Top Milan A white variety, purple top and strap-leaf. This, with the White Milan, is the earliest of all turnips. Pkt. 5c; oz. 10c; 1/2 lb. 25c; 1 lb. 75c; postpaid.

Dixie Land A winter variety, large white bulbs, sow in August for winter use. They stand the coldest weather. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 50c; postpaid.

Large Amber Globe Of large size, globe-shaped, solid yellow flesh; green top. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Long White Cow Horn A long white turnip, 12 to 15 inches in length, 2 1/2 inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 50c; postpaid.

Large White Globe A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine-grained, maturing in about 75 days. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Mammoth Purple Top White Globe One of the handiest, most somest and most salable turnips. It is a large, rapid-growing sort, being ready for the table or market in about 65 days, with globular-shaped roots. Flesh pure white and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 50c; postpaid.

R.-H. Co.’s Mixed Turnips A general mixture; very desirable; produces greens and turnips early and late; fine for home gardens. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Shogoin or Japanese Louse Resistant Turnip A new variety that is becoming very popular in the South. Especially valuable for turnip greens, which are always in good demand during the late spring and summer months in the South. The leaves grow upright, about 2 feet high when fully developed, which make it practically free from insect attacks. The roots are pure white between flat and globe in shape; however, this wonderful new sort is more largely planted for the tops than the roots. Pkt. 10c; oz. 15c; 1/2 lb. 50c; 1 lb. 81.25; postpaid.

R.-H. Co.’s American Red Top Globe Grown for us on contract from our own special seed stock. A perfect globe-shaped, with bright red or purple top and snow-white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Pkt. 5c; oz. 10c; 1/2 lb. 25c; 1 lb. 75c; postpaid.

Red or Purple Top Strapleaf Flat white, with purple top. Fine-grained and tender. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Southern Seven Top The old standard popular salad variety. Grown extensively for this purpose. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Southern Prize A southern winter turnip, forms large snow-white bulbs that stand the severest winter. The tops make fine winter salad. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

Sweet German A very hardy sort; used largely for greens in the same manner as Seven Top. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

White Flat Dutch Strapleaf An extra early pure white, flat growing variety. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

White Egg A quick-growing, egg-shaped, pure white variety. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 50c; postpaid.

Yellow Aberdeen Purple Top A splendid variety with firm, solid, yellow meat. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 50c; postpaid.

RUTABAGA

CULTURE—Sow in drills or broadcast in June, July and August.

Improved Purple Top Yellow The finest and most profitable of all yellow, purple-top Rutabagas, being the hardest, heaviest, best shaped and most productive. The flesh is of a beautiful yellow color, of the choicest quality. Matures in 95 days. Pkt. 5c; oz. 10c; 1/2 lb. 20c; 1 lb. 45c; postpaid.

QUANTITY PRICES—For quantity prices see Green Ink List enclosed.
**SWEET PEAS**

CULTURE—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch of two of soil pressed firmly, then the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.

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**R.-H. CO.'S MIXED SWEET PEAS**

R.-H. Co.'s Mixed Spencers They represent the highest date. This mixture has been made up of named sorts. Pkt. 5c; oz. 15c; ½ lb. 50c; 1 lb. $1.50; postpaid.

**Burpee's Reselected Mixed Spencers** From the House of Burpee. Their own special mixture of Sweet Peas. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.00; postpaid.

**Early Flowering Mixed Spencers** A rare combination containing all the shades of early flowering Spencers. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.50; postpaid.

** Eckford Royal Mixed** Composed of the very best varieties of the Grandiflora type of Sweet Peas. Pkt. 5c; oz. 10c; ½ lb. 30c; 1 lb. 90c; postpaid.

**Cupid Mixed** Those form a line of emerald-green foliage a little over a foot wide and six inches high. Pkt. 10c; oz. 20c; ½ lb. 60c; 1 lb. $1.75; postpaid.

**Perennial Mixed** The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come mixed in shades of red and white only. Pkt. 10c; oz. 50c; ½ lb. 1.00; 1 lb. $3.50; postpaid.

**SPECIAL OFFER**

One 10c packet of above 20 named Spencer Sweet Peas, retail value $1.50, only $1.00, postpaid. One 50c packet of each of above 10 Early Flowering. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00; postpaid.

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**NAMED SPENCER SWEET PEAS**

**SEPARATE COLORS—LARGE FLOWERING**

This group includes the largest and most beautifully formed Sweet Peas. The Spencers have very large, waved flowers, which are produced abundantly on long, strong stems, making the blossoms most desirable for cutting. All the following prices are postpaid.

**AUSTIN FREDERICK IMPROVED**—A giant lavender shade. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Barbara**—A superb salmon shade. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Constant Hinton**—Very fine pure white. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Countess**—Bright, clear pink. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**CAMPFIRE**—Rich, deep red. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.25.

**Dobbies Cream**—Deep cream color. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Fiery Cross**—Intense deep scarlet. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Heavenly Blue**—Deep silver blue. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.25.

**King Edw. VII**—Very bright red. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.25.

**Kittie Pierce**—Light lilac, suffused blush-pink. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.25.

**King White**—One of the best whites. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Margaret Atlee**—Salmon-pink. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.00.

**Mrs. Tom Jones**—Bright blue. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.00.

**Mrs. Routzhan**—Apricot-pink. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Miss California**—One of the finest pinks. Pkt. 10c; oz. 25c; ½ lb. 80c; 1 lb. $3.50.

**Mary Pickford**—Salmon-pink; good. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.50.

**Hero**—Cerise-red; showy. Pkt. 10c; oz. 40c; ½ lb. $1.00; 1 lb. $2.50.

**Royal Purple**—Very deep purple. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Sunkist**—Rich crimson; edged. Pkt. 10c; oz. 35c; ½ lb. $1.00; 1 lb. $3.50.

**Tangerine**—Improved; deep orange. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.25.

**SPECIAL OFFER**

One 10c packet of above 20 named Spencer Sweet Peas, only $1.25.

One 1-oz. packet of each of above 20 named Spencers, retail value $5.20, only $3.40; postpaid.

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**NAMED OR SEPARATE COLOR**

Early Flowering Spencer Sweet Peas

These are the best of the early flowering Spencer Sweet Peas. All have long stems and bloom two to three weeks earlier than the standard or late Spencer. Price uniform, any of the following ten varieties: Pkt. 10c; oz. 50c; ½ lb. $1.50; 1 lb. $4.75; postpaid.

**Early Flowering Amethyst**—Rich royal-purple. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Blue Jacket**—Very bright blue. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Grenadier**—Dazzling crimson. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Lavender King**—Very rich lavender. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Othello**—Deep purple-maroon. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Snow Storm**—Pure white. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Rose Queen**—Dark pink shade. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Early Flowering Zvolanek's**—Pink, clear showy pink. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

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**FOUR NEW SPENCER SWEET PEAS**

All the most desirable of their color. You will be pleased with these.

**Kittie Pierce**—Light lilac, suffused blush-pink. Pkt. 10c; oz. 25c; ½ lb. 75c; 1 lb. $2.00.

**Reflection**—Adazzling clear blue. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Spring Song**—Salmon-pink on cream ground, early. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

**Winnie Morse**—Cream ground, flushed rose-pink. Pkt. 10c; oz. 25c; ½ lb. 70c; 1 lb. $2.00.

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**SPECIAL OFFER**

One packet each of above 10 Early Flowering Spencer Sweet Peas, retail value $1.50, only $1.00, postpaid. One 50c packet of each of above 10 Early Flowering Spencers, retail value $5.00, only $3.25, postpaid.

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**TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies**

43
CULTURAL DIRECTIONS—Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them when covered. Water frequently. A good plan is, sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later.

ALL PRICES ON FLOWER SEEDS ARE POSTAGE PAID

Annuals are those flowers that attain their full growth, bloom, and die the first year. Among these are Asters, Balsam, Cosmos, Zinnias, Mignonette, Sweet Peas, Nasturtium, Morning Glories and other brilliant and fragrant sorts.

Perennials usually do not flower the first year, but live over until the second season and then bloom. They continue for many years after. These sorts constitute the “Hardy Flowers” such as Hollyhocks, Sweet William, etc.

Alyssum Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in spring.

Sweet Alyssum—Pkt. 5c; oz. 35c.
Little Gem Alyssum—Three to four inches high; fine for borders. Pkt. 10c; oz. 60c.

Ageratum Very showy plants; bloom profusely the whole summer. Fine as cut-flowers; splendid for borders; ribbon beds, etc. Half-hardy annuals.

FINEST MIXED—Pkt. 5c; oz. 40c.

Amaranthus

CAUDATUS—Love Lies Bleeding; very attractive, 3 feet. Pkt. 5c; oz. 30c.
TRICOLOR—Very attractive annual, called Joseph’s Coat. Pkt. 5c; oz. 60c.
CRUENTUS—Showy annual, known as Princess Feather. Pkt. 5c; oz. 35c.

Antirrhinum, or Snapdragon

Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

TALL MIXED—Many colors. Pkt. 5c; oz. 60c.
DWARF MIXED—Many colors. Pkt. 10c; oz. 80c.
EMpress—A rich crimson Snapdragon. Pkt. 10c; oz. $1.25.
GOLDEN QUEEN—Beautiful golden-yellow. Pkt. 10c; oz. $2.00.
SILVER PINK—Satin pink. Pkt. 10c; oz. $1.75.

Arctotis Grandis (Blue-eyed African Daisy) It forms much-branched bushes 2 to 3 feet high; its Daisy-like flowers are pure white with a gold band surrounding a pale mauve or blue center. It is not only pleasing when open, but also when it closes at evening and displays its lilac-tinted undersides. Good cut-flower. Pkt. 10c; oz. 90c.

Asters Very effective in beds or borders.

CHINA—Aster, mixed colors. Pkt. 5c; oz. 75c.
GIANT COMET—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backwards. Mixed colors. Pkt. 10c; oz. $1.25.
VICTORIA MIXED—Flowers very large and perfect. Pkt. 10c; oz. $1.50.

ALL COLORS MIXED—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range and colors and shapes. Pkt. 5c; oz. 80c.

SEMPLE’S BRANCHING—Quite different in several respects from any other Aster, beautiful for cut flowers.

SEMPLE’S BRANCHING PINK ASTER—Pkt. 10c; oz. $2.00.
SEMPLE’S BRANCHING CRIMSON ASTER—Pkt. 10c; oz. $2.00.
SEMPLE’S BRANCHING BLUE ASTER—Pkt. 10c; oz. $2.00.
SEMPLE’S BRANCHING LAVENDER ASTER—Pkt. 10c; oz. $2.00.
SEMPLE’S BRANCHING WHITE ASTER—Pkt. 10c; oz. $2.00.
SEMPLE’S BRANCHING MIXED, ALL COLORS—Pkt. 10c; oz. $1.50.

THE SUNSHINE ASTER—These have twisted and quilled petals, are very showy and attractive. All have a cushion center of tiny quills of a contrasting color, which makes the flower look as if it were covered with snowflakes. The color is difficult to describe. Price packet mixed colors, 15c; 4 pkts. 50c; oz. $1.75.

Balsam Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants to make the flowers more double.

DOUBLE MIXED—Pkt. 5c; oz. 50c.

Balsam Apple Fine, glossy, green foliage. This is a pretty climber. Pkt. 5c; oz. 40c.

Balloon Vine A rapid growing climber; thrives in light soil. Pkt. 5c; oz. 30c.

Bachelors Button Mixed colors. Also called Globe Amaranth. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt. 5c; oz. 40c.

Blue Lace Flower A flower you cannot do without in your garden. Beautiful, large, lace-like flowers, similar to wild carrot, but of a lovely delicate azure-blue gracefullly poised on long stems. Sow in the hoed in March and outdoors in May and again in June, and you can cut flowers until frost. Pkt. 10c; oz. $1.50.

Cacalia Also called Flora’s Paint Brush; an excellent cut flower. Plant grows 24 inches high. Pkt. 10c; oz. 80c.

Calendula (Pot Marigold) Very hardy annual. 1 foot high. Has showy flowers blooming until frost and producing a fine effect in borders.

ORANGE KING CALENDULA—Rich orange color. Pkt. 10c; oz. 40c.

MIXED CALENDULA—All double sorts. Pkt. 5c; oz. 40c.

Calliopsis All double sorts. Pkt. 5c; oz. 60c.

R.-H. CO.’S TOP NOTCH FLOWER SEEDS

Russell-Heckle Seed Co., Memphis, Tenn.
Calcium Nitrate

NITRATE of LIME

Guaranteed Analysis:
15% Nitrogen (18.2% Ammonia)
20% Calcium (30% Limestone Equivalent)

Contains both nitrogen and lime in immediately available form.

Calcium Nitrate is available even in the driest season; it absorbs sufficient moisture from the soil to dissolve and begin feeding the crop at once.

Calcium Nitrate is a white, dustless, granular salt—not a powder. It is easy to apply; requires no regrinding.

Packed in even weight, 100 pound, paper-lined, moisture-resistant bags.

Three years of successful use, with a constantly increasing tonnage, have proved that Calcium Nitrate is a superior nitrogen fertilizer for cotton and corn and for all other crops which respond to nitrogen and lime.

Calcium Nitrate is economical to buy—it is the lowest cost nitrate fertilizer on the market. It also furnishes valuable calcium at no additional cost. It has invariably produced excellent crop results. Being dustless and in granular form, and being packed in even weight 100 pound bags, Calcium Nitrate is extremely easy to handle and apply.

Write for price on the quantity you need.

Calcium Nitrate has been tested by all Southern state experiment stations for several years. Results obtained everywhere indicate that it is equal or superior to any of the fertilizers in the comparisons. Write to your experiment station.
The Highest Analysis Complete Fertilizer

Guaranteed Analysis:
15% Nitrogen (18.2% Ammonia)
30% Available Phosphoric Acid
15% Potash

One ton of Nitrophoska contains as much plant-food as three to five tons of ordinary fertilizer.

Only 1/4 as much weight to ship—1/4 as much freight to pay.

Only 1/4 as much weight and bulk to haul, handle and apply.

Its low cost per acre eliminates any advantage in home-mixing.

Packed in 100 pound, paper-lined, moisture-resistant bags.

In granular form—easy to apply.

In Nitrophoska the three essential plant-foods—nitrogen, phosphoric acid and potash—are combined directly with each other and non-essential weight and bulk are eliminated.

Nitrophoska contains three to five times as much total plant-food as the usual complete fertilizer—60 pounds of real plant-food in every 100 pound bag, all of which is quickly soluble and available for rapid and vigorous crop growth.

The guaranteed analysis of Nitrophoska is 15% nitrogen, 30% phosphoric acid and 15% potash. The nitrogen is partly in the quick-acting nitrate form and partly in the non-leaching ammonia form. Both the phosphoric acid and potash are entirely water-soluble.

Nitrophoska has given excellent crop results on thousands of acres of crops during the past three years. It is the proven, economical fertilizer for cotton, corn, tobacco, potatoes, vegetables and many other crops.
Lowest Cost Per Acre

When you buy Nitrophoska you save money on freight, bags and factory handling. You also save on the labor of hauling, handling, lifting and applying. You buy your plant-food at the lowest cost per pound of real plant-food and at the lowest cost per acre fertilized.

Nitrophoska is the most economical fertilizer ever known, because it is the highest analysis complete fertilizer. Why handle useless weight and bulk? Why pay more per acre for low-analysis fertilizer?

Thousands of farmers have proved for themselves the economy and the superior crop-producing qualities of Nitrophoska. Many thousands of tons of Nitrophoska will be used this year by Southern farmers, who have convinced themselves that Nitrophoska is really the modern fertilizer—the latest gift of science to the practical and progressive fertilizer user.

Nitrophoska is in granular form, in very excellent mechanical condition to apply. It is packed in 100 pound, net weight, strong, paper-lined, moisture-resistant bags. Write today for price on the quantity that you need. Use Nitrophoska this year for your entire crop requirements.

Nitrophoska
15-30-15

NITROGEN . . . PHOSPHORIC ACID . . . POTASH
CAL-NITRO

A High Analysis

Balanced Nitrogen Fertilizer

20.5% Nitrogen — 1/2 Quick-acting Nitrate; 1/2 Long-lasting, Non-leaching Ammonia combined with 35% Limestone

Cal-Nitro is one of the most valuable of the new synthetic nitrogen fertilizers. Its excellent mechanical condition and free-flowing qualities make it very easy to apply. Its two forms of nitrogen assure both quick action and continuous feeding. Its high lime content is exceedingly valuable for crop feeding and for maintaining the soil in good condition.

Cal-Nitro has been used very widely on cotton, corn, fruit, vegetables, small grains, grass and on many other crops with excellent crop results. It has proved to be a very valuable nitrogen fertilizer under a great variety of soil, climatic and weather conditions.

Write today for prices. Remember that Cal-Nitro costs less per acre because it furnishes 1/3 more nitrogen than other nitrate fertilizers.

Contains 1/3 more nitrogen than other nitrates.

Costs less per pound or per unit of nitrogen than other nitrates.

Produces excellent crop results.

Very free-flowing, because it is in the form of tiny beads or pellets.

Contains no sodium and does not puddle heavy clay soils.

Quick-acting but much less liable to leaching.

Contains 35% of valuable limestone and does not increase soil acidity.

Easy to identify by its green color.
Canterbury Bell

A beautiful climber with curiously shaped little canary-colored blossoms. Tender annual. Pkt. 5¢; oz. 10c.

Canterbury Bells

Handsome, hardy biennial of stately growth, rich color and profuse bloom; height 2 to 3 feet. Single mixed colors. Pkt. 5¢; oz. 10c.

Candytuft

The flowers are produced in clusters in a variety of colors. Very showy for borders or masses in beds. Pkt. 5¢; oz. 10c.

Carnation Marguerite

The flowers are large, double and very fragrant. Mixed colors. Pkt. 10¢; oz. $1.00.

Canna

Ornamental, producing clusters of large flowers of the most brilliant colors. Soak seed for a day in warm water. Mixed colors. Pkt. 5¢; oz. 10c.

Catchfly

Very pretty dwarf plants, used mostly for borders, thriving in almost any soil and of easy cultivation, annual, 6 inches. Mixed colors. Pkt. 5¢; oz. 60c.

Cardinal Climber

A new and brilliant colored annual climber. Flowers glowing scarlet. Vines attaining a height of from 20 to 30 feet. Pkt. 10¢; oz. $1.00.

Chinese Woolflower

Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower. Pkt. 10¢; oz. $1.50.

Cobea Scandens (Cup and Saucer Vine)

A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flower. Pkt. 5¢; oz. 75c.

Dahlia

This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. DOUBLE MIXED COLORS—Pkt. 10¢; oz. $2.00.

SINGLE MIXED COLORS—Contains many desirable shades and markings. Pkt. 10¢; oz. $1.00.

Daisy

They love a shady place and will reward the gardener with a mass of blooms if left undisturbed. DOUBLE MIXED COLORS—Pkt. 10¢; oz. $2.00.

DAISY, SHASTA—Pure white; gigantic; will bloom in six months from seeding. Pkt. 10¢; oz. 75c.

Eschscholtzia (California Poppy)

A genius of the poppy family. Hardy annuals; height 1 foot. MIXED COLORS—Pkt. 5¢; oz. 40c.

Eschscholtzia, Golden West—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt. 5¢; oz. 35c.

Euphorbia (Snow on the Mountain)

An exceedingly ornamental plant. Used as a background for low-growing plants. The foliage is light green with white margin. 2 feet high. Pkt. 5¢; oz. 75c.

FAMILY, SINGLE MIXED CORNFLOWER—Pkt. 5¢; oz. 40c.

SINGLE BLUE—Pkt. 10¢; oz. 40c.

DOUBLE MIXED—Pkt. 10¢; oz. 60c.

DOUBLE BLUE—Pkt. 10¢; oz. 60c.

KLONDYKE YELLOW COSMOS—Pkt. 10¢; oz. $1.25.

DOUBLE COSMOS—Mixed colors. Pkt. 10¢; oz. $2.00.

Cosmos

Among the garden annuals that have come into prominence in recent years the Cosmos lead all. Seeds sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

EARLY FLOWERING—Mixed colors. Pkt. 5¢; oz. 50c.

GIANT FLOWERING—Mixed colors. Pkt. 5¢; oz. 40c.

GIANT FLOWERING—Pink. Pkt. 10¢; oz. 50c.

GIANT FLOWERING—Crimson. Pkt. 10¢; oz. 50c.

GIANT FLOWERING—White. Pkt. 10¢; oz. 50c.

KLONDYKE YELLOW COSMOS—Pkt. 10¢; oz. $1.25.

DOUBLE COSMOS—Mixed colors. Pkt. 10¢; oz. $2.00.

Cypress Vine

Rapid climber, bearing an abundance of star-like flowers; fine for trellises and arbors.

RED CYPRUS VINE—Pkt. 10¢; oz. 50c.

MIXED CYPRUS VINE—Pkt. 5¢; oz. 30c.
Gypsophila (Baby's Breath)  

**Forget-Me-Not**  

**Foxglove (Digitalis)**  
Grows to the height of 3 to 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt. 50c; oz. 60c.

**Four O'clock (Marvel Peru)**  
Mixed colors. Pkt. 5c; oz. 35c.

**Gaillardia**  
Blanket flower, showy and excellent for beds or for cutting. Hardy annual; 1 1/2 feet high. Pkt. 5c; oz. 35c.

**Globe Amaranth (Bachelor's Button)**  
A single plant will produce several hundred flowers. Mixed colors. Pkt. 5c; oz. 30c.

**Globe Amaranth (Bachelor's Button)**  
A single plant will produce several hundred flowers. Mixed colors. Pkt. 5c; oz. 30c.

**Helichrysum**  
Hardy annual everlasting flower, large double blooms called the Straw Flower; mixed colors. Pkt. 5c; oz. 60c.

**Heliotrope**  
Will bloom as easily from seed as any of the common annuals. Pkt. 10c; oz. 50c.

**Hyacinth or Jack Bean**  
A rapid growing annual climber; mixed all colors. Pkt. 5c; oz. 30c.

**Hollyhocks**  
Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year’s blooming.

- **DOUBLE RED HOLLYHOCK**—Pkt. 10c; oz. $1.50.
- **DOUBLE PINK HOLLYHOCK**—Pkt. 10c; oz. $1.50.
- **DOUBLE WHITE HOLLYHOCK**—Pkt. 10c; oz. $1.50.
- **DOUBLE PINK HOLLYHOCK**—Pkt. 10c; oz. $1.50.
- **DOUBLE MIXED HOLLYHOCK**—Pkt. 10c; oz. $1.25.
- **SINGLE MIXED HOLLYHOCK**—Pkt. 10c; oz. $1.00.

**Ice Plant**  
An ornamental grass with curious shaped seeds, which may be used as beads; height 2 to 3 feet. Pkt. 5c; oz. 25c.

**Job's Tears**  
A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt. 5c; oz. 50c.

**Kochia or Summer Cypress**  
Grows quickly from seed sown in the open ground. The bushy plants resemble balls of fire; makes a good summer hedge. Pkt. 5c; oz. 35c.

**Kudzu Vine**  
A rapid growing hardy climber of great merit, growing 8 to 10 feet the first season from seed. Flowers are pea-shaped, of a rosy-purple color. Pkt. 10c; oz. 75c.

**Larkspur**  
The Larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Tall annual.

- **SKY BLUE LARKSPUR**—Pkt. 10c; oz. 75c.
- **PURE WHITE LARKSPUR**—Pkt. 10c; oz. 75c.
- **ROSY SCARLET LARKSPUR**—Pkt. 10c; oz. 75c.
- **SHELL PINK LARKSPUR**—Pkt. 10c; oz. 75c.
- **FINEST MIXED LARKSPUR**—Pkt. 5c; oz. 50c.

**Perennial Larkspur**  
A hardy kind.

- **LIGHT BLUE PERENNIAL LARKSPUR**—Pkt. 15c; 2 pkts. 25c.
- **DARK BLUE PERENNIAL LARKSPUR**—Pkt. 15c; 2 pkts. 25c.
- **MIXED COLORS PERENNIAL LARKSPUR**—Pkt. 10c; 3 pkts. 25c.

**Lobelia**  
A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt. 5c; oz. $1.00.

**MAKING MONEY**

For yourself, club, class, church, grange or lodge. By getting up a club order in which at least five others besides yourself participate.

Give the name and address of each person ordering and place each order on a separate sheet.

Make out orders for Flower and Garden Seeds according to catalog and deduct 25% (25c on each dollar) for your profit.

**TOP NOTCH**

Perennial Plant Collection

<table>
<thead>
<tr>
<th>2 Coreopsis</th>
<th>2 Golden Glow</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Gypsophila</td>
<td>2 Delphinium</td>
</tr>
<tr>
<td>2 Grass Pink</td>
<td>2 Sweet Violets</td>
</tr>
</tbody>
</table>

**MAKE SOME MONEY**

For yourself, club, class, church, grange or lodge. By getting up a club order in which at least five others besides yourself participate.

Give the name and address of each person ordering and place each order on a separate sheet.

Make out orders for Flower and Garden Seeds according to catalog and deduct 25% (25c on each dollar) for your profit.

**RUSSELL-HECKLE SEED CO., Memphis, Tenn.**
Marigold

Hardy annuals, in bloom till frost comes.

**ORANGE PRINCE**—Rich deep golden-yellow. Very large. Pkt. 10c; oz. $1.00.

**LEMON QUEEN**—Soft lemon-yellow; a beautiful shade. Pkt. 10c; oz. $1.00.

**TALL MIXED**—Immense flowers, double; primrose, lemon, orange and golden shades. Pkt. 5c; oz. 50c.

**DWARF FRENCH**—Fine for edging and bedding; mixed colors. Pkt. 5c; oz. 50c.

**Mignonette**
A well known hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost.

**SWEET MIGNONETTE**—Pkt. 5c; oz. 25c.

**Moon Flower**
A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

**WHITE MOONFLOWER**—Pkt. 10c; oz. 50c.

**BONA NOX**—Blue Moon Flower. Large and fragrant. Pkt. 10c; oz. 75c.

**Morning Glory**
A hardy climbing annual, growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings. Choice mixed. Pkt. 5c; oz. 10c.

**JAPANESE MIXED**—New Improved Japanese Convolvulus flower, measuring from 4 to 3 inches across; great variety of colors. Pkt. 5c; oz. 25c.

**Nigella**
Also called Devil in a Bush. Curious looking flowers and foliage; mixed colors. Pkt. 10c; oz. 25c.

**Do Not Delay Ordering**
Until you are ready to use the goods you want. It will prove economical often to anticipate your wants. The loss of time in planting by delays of transportation companies, also advances in prices, should show the wise buyer that it is to his interest to order early.

---

**Nasturtiums**
Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing exceeds Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position.

**DWARF CHOICE MIXTURE**—A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt. 5c; oz. 35c; 1/4 lb. 75c; 1 lb. 75c; postpaid.

**CHOICE TALL MIXED**—Giant flowers, the plants producing a profusion of bloom. Pkt. 5c; oz. 30c; 1/4 lb. 70c; postpaid.

**Pansies**
These popular flowers thrive best on a cool, moist but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

**PANSY, CHOICE**—A splendid mixture of many very fine varieties. Pkt. 5c; oz. 10c.

**PANSY (Mammoth Flowering, Mixed)**—A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt. 10c; oz. 1.50.

**Portulaca**
Also called Rose Moss. Beautiful little plants which will bloom profusely all summer. Their richly colored flowers make an effective and brilliant display when planted in large beds and masses. Hardy annual, 1/2 foot.

**SINGLE MIXED**—Pkt. 5c; oz. 50c.

**DOUBLE MIXED**—Pkt. 10c; oz. 8.50.

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**Making the Home Grounds More Attractive**

The well arranged planting of flowers about the house transforms it into a home, makes the place inviting and attractive and adds largely to its selling value. The appearance of the home grounds reflects the individuality and taste of the owner; so we should use as much care in making the surroundings as attractive as we do the interior.
Phlox Drummondii The annual Phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

**FIREBALL**—Flowers large, blood-red. Pkt. 10c; oz. $1.50.

**SNOWBALL**—Large, clear white flower. Pkt. 10c; oz. $1.50.

**STAR OF QUEENSBORO**—Large flowers with curiously pointed and toothed blossoms having a star-like form, mixed colors. Pkt. 10c; oz. $1.50.

**CHOICE MIXED**—Contains fine select varieties of this showy annual. Pkt. 5c; oz. 50c.

**MAMMOTH FLOWERING MIXED**—Pkt. 10c; oz. $1.25.

**PERENNIAL MIXED COLORS**—Pkt. 10c; oz. $2.50.

**Petunias** Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. Height 1–2 feet.

**BALCONY**—A splendid large and free-flowering type either for vases, hanging baskets or window boxes; flowers average 3 inches across, making a very effective display. Mixed colors. Pkt. 20c; 3 pkts. 50c.

**COUNTESS OF ELLSMERE**—Single deep rose-pink with white throat; desirable bedding variety. Pkt. 10c; oz. $1.50.

**HOWARD’S STAR**—Compact-growing variety; flowers striped and blotched. Pkt. 10c; oz. $2.00.

**ROSE OF HEAVEN**—Dwarf sort; compact in growth; a rich pink color. Pkt. 10c; oz. $2.50.

**ROSY MORN PETUNIA**—Soft carmine-pink with white throat, fine for borders, being free-flowering and showy. Pkt. 10c; 1/2 oz. $1.25; oz. $2.00.

**DOUBLE MIXED**—Will come 70 per cent double from seed.

**CHINA DOUBLE MIXED**—A most brilliant mixing of colors of bewildering beauty. Pkt. 5c; oz. 50c.

**MAMMOTH FLOWERING MIXED**—A fine bedder. Pkt. 10c; oz. $1.00.

**DOUBLE PEONY FLOWERED**—Growing Grandiflora, all colors mixed, single fringed and ruffled. Pkt. 10c; oz. $1.50.

**DOUBLE MIXED**—Will come 70 per cent double from seed. Finest mixed. Pkt. 25c.

**Pinks (Dianthus)** Hardly and half-hardy biennials and perennials, but nearly all blooming the first year from seed of easy culture.

**CHINA DOUBLE MIXED**—Pkt. 5c; oz. 50c.

**CLOVE PINK PLUMARIS**—The flowers are large, borne in a graceful terminal spray, with fringed, toothed edges; sweet, spicy fragrance. They are excellent, hardy plants. Pkt. 10c; oz. $1.50.

**DOUBLE DIADEM**—A most brilliant mixing of colors of bewildering beauty. Pkt. 5c; oz. 50c.

**Poppies** Of very easy culture and they furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order and the annual varieties will flower from June on for some weeks.

**AMERICAN LEGION**—Brilliant orange-scarlet. Pkt. 10c; oz. 50c.

**FLANDERS**—Vivid-red, well known Poppy of Flanders. Pkt. 10c; oz. 50c.

**DOUBLE FINE MIXED**—A combination of all varieties, single and double flowers. Pkt. 5c; oz. 50c.

**DOUBLE CARNATION FLOWERED**—Extra large and double. Pkt. 5c; oz. 50c.

**DOUBLE PEONY FLOWERED**—Annual variety; mixed; large, full, double fringed flowers. Pkt. 5c; oz. 50c.

**SHIRLEY**—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt. 5c; oz. 50c.

**DOUBLE SHIRLEY**—A new double Shirley. Pkt. 10c; oz. 75c.

**AMERICAN LEGION—Vivid red**

**DOUBLE RED POPPY**—Fine scarlet shade. Pkt. 10c; oz. 50c.

**DOUBLE WHITE POPPY**—Purest white. Pkt. 10c; oz. 50c.

**HOWARD’S STAR**—A beautiful satin pink. Pkt. 10c; oz. 50c.

**DYDEWIGII DOUBLE MIXED PINK**—Very large and double and of various shades of brilliant colors. Pkt. 5c; oz. 50c.

**PHEASANT’S EYE OR GRASS PINK**—A single hardy perennial pink with light-colored flowers which have a dark center. Pkt. 10c; oz. $1.00.

**Special Discounts**

Select any six—5c packets for 25c

three—10c

double—15c

seven—15c

**WE PAY POSTAGE.**

**VigorO**

Specially prepared plant food

For the Vegetable and Flower Garden, Lawns, Shrubbbery and Trees

Vigoro produces more and more brilliant flowers, full foliaged shrubbery, delicious vegetables and leafy trees. It is the ideal plant food for whatever you grow. Write for descriptive pamphlet.

Prices:

5 lbs. 50c; 25 lbs. $1.75; 50 lbs. $3.00; 100 lbs. $5.00.
**Splendens (Scarlet Sage)**

Leaves very large, making a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixeds. Pkt. 10c; oz. 35c.

**MIXED RICINUS**—Pkt. 5c; oz. 20c.

**Rudbeckia (Golden Glow)**

Fine free-flowering annual variety. The disc is brown, the florets golden-yellow, with large velvety-brown spots at the base. Very effective and useful for cutting. Pkt. 10c; oz. 50c.

**Salvia or Scarlet Sage**

A standard bedding and border plant, keeping the garden bright with dazzling scarlet flowers during the summer and fall. Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak the seeds before planting.

**CLARA BEDMANS**—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt. 15c; ½ oz. 60c; 1 oz. $1.00.

**SPLENDENS (Scarlet Sage)**—The scarlet variety. Pkt. 10c; ½ oz. 60c; 1 oz. $1.00.

**PATENS (Blue Sage)**—In color this is as blue as the “Scarlet Sage” is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border. Tender perennial. 2 feet. Pkt. 25c.

**ZURICH**—Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-speaks. Pkt. 15c; ½ oz. 75c.

**Salpiglossis (Painted Tongue)**

Those annuals have showy, large, funnel-shaped flowers mottled, veined and self-colored. Mixed colors. Pkt. 5c; oz. $1.50.

**Scabiosa (Mourning Bride)**

A very showy, hardy annual. Fine for cutting and furnishing quantities of very bright blossoms all summer long in varieties of colors. Very easy to grow. Pkt. 10c; oz. 60c.

**Sensitive Plant**

One of the most remarkable plants in cultivation; the leaves when touched instantly fold up. Pkt. 5c; oz. 60c.

**Scarlet Runner Beans**

A great favorite as an ornamental climber; has bright scarlet sprays of pea-shaped blossoms. Pkt. 5c; oz. 15c.

** Stocks (Gilliflower)**

Useful annuals for bedding, borders, cut-flowers and pot culture. LARGE FLOWERING TEN WEEKS—A fine large-flowering strain of many colors. Pkt. 10c; oz. $1.00.

**Sunflower**

Tall growing plants, with large and showy yellow flowers, hardy annuals. DOUBLE DWARF—4 feet. Pkt. 5c; oz. 40c.

**GLOBE OF GOLD**—4½ feet. Pkt. 5c; oz. 35c.

**DOUBLE TALL**—7 feet. Pkt. 5c; oz. 35c.

**SINGLE**—5 feet. Pkt. 5c; oz. 35c.

**RED SUNFLOWER**—Pkt. 10c.

**Sweet William**

Makes an elegant display, producing a succession of flower clusters for several weeks, the colors vary, ranging from pure white to nearly black. If sown early will bloom the following fall; fall sowings bloom the next summer. Height 1½ feet.

**SINGLE**—Varieties; mixed; more attractive than the double. Pkt. 5c; oz. 50c.

**DOUBLE**—Mixed; a mammoth-flowered type of great beauty. Pkt. 10c; oz. $1.00.

**Thunbergia (Black-Eyed Susan)**

A beautiful tender climber, 3 to 5 feet high, with pale-yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt. 10c; oz. 75c; ½ oz. $1.25.

**Verbena (Hardy Annual)**

Indispensable for bedding purposes, borders and window boxes. Borne profusely from June until frost. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high, or sow outside in April.

**FANCY MIXED**—Embraces all colors. Pkt., 5c; oz. 80c.

**MAMMOTH FLOWERED MIXED**—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt. 10c; oz. $1.25.

**FANCY MAMMOTH PINK**—Pkt. 10c; oz. $1.50.

**MAMMOTH DARK PURPLE**—Pkt. 10c; oz. $1.50.

**FANCY LARGE PURPLE**—Pkt. 10c; oz. $1.50.

**FANCY LARGE STRIPED**—A mixture of striped sorts. Pkt. 10c; oz. $1.50.

**Vinca**

Commonly called Periwinkle. Ornamental free-flowering, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Deliciously fragrant; single mixed. Pkt. 5c; oz. 50c.

**Vinca—Mixed colors. Pkt. 10c; oz. $1.00.

**Vinca ROSA—Pink. Pkt. 10c; oz. $1.25.

**Vinca ALBA—Pure white. Pkt. 10c; oz. $1.25.

**Wallflower**

Very conspicuous in beds or borders, and are deliciously fragrant; single mixed. Pkt. 5c; oz. 50c.

**Wild Cucumber Vine**

Ornamental climbing cumbmer with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt. 5c; oz. 35c.

**Wild Flower Garden Mixture**

A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard in a promiscuous way. Pkt. 5c; oz. 35c; ½ lb. 80c; 1 lb. $5.00.
Few garden annuals are more thoroughly satisfactory than Zinnias, particularly since in recent years greatly improved, larger flowering and more brilliantly colored strains have been developed. Plant early in rows 1 1/2 to 2 feet apart and cover the seeds about one-fourth inch deep, or start indoors and transplant outside when the ground is warm.

R.-H. Co.'s Double Dahlia-Flowered Zinnias The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. They are just as easy to grow as the Mammoth Zinnias, and the large flowers with their beautiful range of colors are simply indescribable.

R.-H. Co.'s Giant Zinnias In this strain of Zinnias the plants grow from 2 1/2 to 3 feet, the flowers often measure 5 to 6 inches across, and thickly set with velvety petals. Price, any of the following varieties uniform, as follows: Pkt. 10c; 3 pkts. 25c; 1/2 oz. 50c; oz. 80c; postpaid.

Giant Crimson
Giant Pink
Giant Yellow
Giant White
Giant Orange
Giant Shrimp Pink
Giant Salmon Rose
Giant Purple
Giant Scarlet
Giant Lavender
Giant Violet
Giant Mixed

SPECIAL OFFER
One 10c pkt. of each of above 12 varieties, only 75c. One 1/2 oz. pkt. of each of above 12 varieties, only $1.00; postpaid.

California Giant Zinnia Still another new type, larger, and a cross between the Colossal and Dahlia-Flowered Zinnia. Price: Any following varieties, pkt. 15c; any four pkts. 30c; 1/4 oz. $1.25; oz. $2.00; parcel post paid.

Cerise Queen—Cerise red.
Miss Wilmott—Bright pink.
Purity—Soft white.
Enchantress—Rose-pink.
Orange King—Deep orange.
Scarlet Gem—Deep red.
California Giant Mixed—All colors.

SPECIAL OFFER
One packet of each of above seven varieties, only 70c.

Dwarf Zinnia Largely used for bedding and borders. Price any variety, packet 10c; 3 pkts. 25c; 1/2 oz. 40c; 1 oz. 75c; postpaid.

Dwarf Pink
Dwarf Yellow
Dwarf White
Dwarf Mixed—All colors.

Cactus-Flowered Quilled Zinnia All colors. Pkt. 10c; 1/4 oz. 70c; oz. $1.25; postpaid.

Double Picotee Zinnia Mixed colors, pkt. 10c; 1/2 oz. 75c; 1 oz. $1.25; postpaid.

Double Curled and Crested Zinnia All colors, mixed, pkt. 10c; 1/4 oz. 60c; 1 oz. $1.00; postpaid.

Choice Double Tall Zinnia Fine mixture, pkt. 10c; 1/2 oz. 30c; 1 oz. 50c; postpaid.
**SUMMER FLOWERING BULBS**

**GLADIOLI**

Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs 6 to 9 inches apart, the large ones 4 inches and the small ones 2 inches deep. Make an early planting of the smallest bulbs first as soon as the ground is sufficiently dry and warm. Continue to plant at intervals of two weeks during the spring and early summer; in this way a succession of bloom may be had from midsummer until frost.

### Named Gladiolus Bulbs

- **AMERICA**—Soft lavender pink; very fine. Doz. 60c; 100 $3.00; postpaid. Not prepaid, doz. 50c; 100 $2.75.
- **ANNIE KEBRUS**—Dark velvety-purple. Doz. 85c; 100 $4.75; postpaid. Not prepaid, doz. 75c; 100 $4.50.
- **BARON HULOT**—A really fine blue gladiolus, rich violet-blue. Doz. 85c; 100 $4.50; postpaid. Not prepaid, doz. 75c; 100 $4.50.
- **CHICAGO RED**—Brilliant scarlet; large, opens well. Doz. 85c; 100 $4.75; postpaid. Not prepaid, doz. 75c; 100 $4.50.
- **CHICAGO WHITE**—White with lavender markings in throat. Doz. 65c; 100 $3.25; postpaid. Not prepaid, doz. 55c; 100 $3.00.
- **EVELYN KIRTLAND**—Beautiful golden-yellow, very large flower. Doz. 85c; 100 $5.00; postpaid. Not prepaid, doz. 75c; 100 $4.75.
- **E. J. SHALOR**—New, beautiful rose-pink, slightly ruffled. Doz. 60c; 100 $3.50; postpaid. Not prepaid, doz. 50c; 100 $3.25.
- **HERADA**—A glistening pure mauve shade; immense in size. Doz. 70c; 100 $4.00; postpaid. Not prepaid, doz. 60c; 100 $3.75.
- **JOE COLEMAN**—Large rich dark red color. Doz. 80c; 100 $4.25; postpaid. Not prepaid, doz. 70c; 100 $4.00.
- **MRS. FRANK PENDLETON**—Flushed salmon-pink. One of the most popular varieties with the florists. Doz. 70c; 100 $3.50; postpaid. Not prepaid, doz. 60c; 100 $3.25.
- **SCHWABEN**—Pure canary yellow, shaded sulphur-yellow. Doz. 70c; 100 $3.75; postpaid. Not prepaid, doz. 60c; 100 $3.50.
- **WAR**—Rich blood red, shaded crimson-black. Doz. 80c; 100 $4.25; postpaid. Not prepaid, doz. 70c; 100 $4.00.
- **ELIZABETH**—A light rose-pink with apricot blotch on lower petals. Doz. 65c; 100 $3.25; postpaid. Not prepaid, doz. 55c; 100 $3.00.

### Special Offer of Gladiolus Bulbs

**Above 18 varieties.** Postpaid on receipt of price

- 2 each, 18 varieties, 36 bulbs $1.90.
- 6 each, 18 varieties, 108 bulbs $5.00.
- 12 each, 18 varieties, 216 bulbs $9.50.

### Mixed Gladiolus Bulbs

**R.-H. CO.'S GIANT FLOWERING MIXED** — Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz. 50c; 100 $2.50; postpaid. Not prepaid, doz. 40c; 100 $2.25.

**Primulines Mixed Gladiolus**

The most graceful of all Gladioli, very attractive in your indoor bouquet. The colors, which always harmonize, range from purest light-yellow to rich orange, from light pink to dark velvety-crimson. They bloom early and late, and are liable to injury only from rank manure. Plant the bulbs 6 to 9 inches deep.

- **E. J. Shalor Gladiolus**
- **LILIES**

Bulbs should be planted as soon as the frost is out of the ground, the earlier the better. Select well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well-rotted cow manure, adding a liberal mixture of sand. Set the bulbs from 5 to 7 inches deep.

- **LILIAM AURATUM (The Golden Band Lily of Japan)** —The flowers are pure white, while through the center of each petal runs a clear golden band. Each 45c; doz. $4.25; postpaid. Not prepaid, each 40c; doz. $4.00.
- **LILIAM RUBRUM**—Petals are thickly dotted with rose or crimson spots and of graceful form and brilliant color. Each 45c; doz. $4.25; postpaid. Not prepaid, each 40c; doz. $4.00.
- **REGAL LILY**—A real beauty with large white flowers shaded to the center with a faint tinge of pink at the edges. Each 55c; 3 for $1.55; doz. $5.25; postpaid. Not prepaid, each 50c; 3 for $1.45; doz. $5.00.

### Select Canna Bulbs

- **EUREKA**—The best white Canna, with bright green foliage, height 4 feet. Each 20c; 12 for $1.50; postpaid. Not prepaid, each 15c; 12 for $1.25.
- **GENERAL MERKEL**—Scarlet, suffused with orange, base and edge of flowers marbled golden-yellow. Each 20c; 12 for $1.50; postpaid. Not prepaid, each 15c; 12 for $1.25.
- **THE PRESIDENT**—Bright crimson, very large flower, deep green foliage; 4 feet. Each 20c; 12 for $1.50; postpaid. Not prepaid, each 15c; 12 for $1.25.

### Special Offer

40 Canna Bulbs Only $3.60
Ten each Eureka, Hungary, President and King Humbert. Regular value $5.00. Special offer $3.60; postpaid.
Dahlia Bulbs, Separate Colors

These are all single size.

Double Pink
Double Purple
Double Yellow
Double White
Double Scarlet
Double Striped

Each 10c; doz. $1.25; postpaid. Not prepaid, each 10c; doz. $1.00.

La Mascotte Dahlia

Fine Named Dahlias

The following are all first class varieties; the best of their color and well adapted to this section.

AVALON—Pure, clear yellow decorative Dahlia. One of the best of its color. Each 50c; 3 for $1.35; postpaid.

AMUNA OR THE SUN GOD—Mammoth size flowers of gorgeous copper and orange, shading to gold and amber. A beautiful decorative Dahlia. Each 60c; 3 for $1.50; postpaid.

BASILFUL GIANT—One of the largest Dahlias yet introduced, a giant exhibition, decorative type; apricot with golden shadings. Each 50c; 3 for $1.35; postpaid.

EARL WILLIAMS—Brilliant crimson-scarlet, each petal tipped with white, an early-blooming decorative Dahlia. Each 50c; 3 for $1.35; postpaid.

ISLAM PATROL—Dark velvety crimson-scarlet, tipped and flushed with gold. One of the most brilliant decorative Dahlias. Each 60c; 3 for $1.50; postpaid.

La MASCOTTE—Sultry pink and reddish violet; a two-tone effective decorative Dahlia. Each 50c; 3 for $1.35; postpaid.

MARIA HOUTMAN—A luminous glowing salmon shading into old gold. A free-blooming, valuable and beautiful decorative type. Each 50c; 3 for $1.35; postpaid.

RIVERTON SNOW—One of the very finest and most perfect of the decorative white Dahlias. Each 50c; 3 for $1.35; postpaid.

SHELIKOFF—A rich, deep garnet, always full to the center. One of the best dark varieties of decorative Dahlias. Each 50c; 3 for $1.35; postpaid.

JEAN CHAZOT or GAY PAREE—A wonderful golden-bronze with a faint touch of mazarine-red and unsurpassed by any of the autumn tints as a cut flower. A hybrid cactus Dahlia of real merit. Each 50c; 3 for $1.35; postpaid.

SPECIAL OFFER

One each of above desirable named Dahlias, regular value $5.30, sent postpaid for only $3.60.

Bleeding Heart

(Dieilia Spectabilis) One of the most beautiful Hardy border plants. Flowers in early spring with rose-colored heart-shaped flowers on under side of stem. Perfectly hardy. Prepaid. Bulb 50c; 3 for $1.35.

Cinnamon Vine

Hardy climber, of a delicious cinnamon fragrance. Each 10c; doz. $1.00; postpaid.

Madeira Vine

A beautiful, rapid-growing climber, bearing fragrant white flowers. Each 10c; doz. $1.00; postpaid.

FALL BULBS

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

Peonies

Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shade border. An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

Peonies in Color

All showy bulbs, 2 to 3 good doz. SI.00.

DOUBLE CRIMSON—Each 30c; 6 for $1.65.

DOUBLE PINK—Each 30c; 6 for $1.65.

DOUBLE WHITE—Each 30c; 6 for $1.50.

BY mail 5c each extra.

Named Peonies

Extra fine varieties, all well adapted for the south.

COURONNE d'OR—Immense white flower with a ring of red at the base; very large, showy blossom. Each 50c; 3 for $2.35; postpaid. Not prepaid, each 50c; 3 for $2.75.

FLORAL TREASURE—Delicate pink, large full flower. An excellent cut flower. Each 70c; 3 for $1.70; postpaid. Not prepaid, each 70c; 3 for $2.00.

FRAGRANCE—Deep pink to solferino-red; fragrant and very late. Each 70c; 3 for $1.70; postpaid. Not prepaid, each 70c; 3 for $2.00.

KARL ROSENFIELD—Velvety-crimson, blooms of semi¬

rose type, very showy, beautiful flower. Each 50c; 3 for $2.25; postpaid. Not prepaid, each 75c; 3 for $3.10.

MRS. JULES ELIE—Very deep glossy-pink, shading to deep rose at the base; very large, showy blossom. Each $1.00; 3 for $3.00; postpaid. Not prepaid, each 90c; 3 for $2.50.

SPECIAL OFFER

One each of above 7 named Peonies, regular price $4.35, sent postpaid on receipt of $3.25.
# How to Spray Roses

First spraying should be done with Lime Sulphur, 1 to 8, during February. For aphids and lice, which most always destroy the spring blossoms, use Black Leaf 40, Volck Red Arrow, Shep's Spray, or Ever Green. For chewing insects use Arsenate of Lead, Slug Shot, Niagara Dust. For blight and mildew use Bordeaux Mixture, Sulphur, or Hammond's Grape Dust. Pome Dust, Pantrygen, and Semesan will cure Black Spot or die back and to control scale insects, red spiders, leaf roller, aphis, thrips and other insects that over-winter on trees.

## How to Spray Evergreens

When Evergreens like Arbor Vitae and Junipers begin to turn brown, it's red spider that is causing the trouble. Use at once four ounces of Fish Oil Soap and 1 pint of Lime Sulphur. 1 teaspoonful Blacklead 40 to one gallon of water. Volck is also a dependable spray for red spider and aphids. Ever Green insecticide will get rid of aphids and lice. Spray two or three times a few days apart.

## How to Spray Shade Trees

For Caterpillars early in the season, apply Tanglefoot around the tree. If tree becomes infested, use to one gallon of water two tablespoonsful Arsenate of Lead and four tablespoonsful of Lime. Spray tree twice thoroughly, a week apart.

## Russell-Heckle's Lime Sulphur Solution

One of the best fungicides for fruit trees, shrubs, etc., for the dormant or growing period. Full directions on cans. Gallon $0.85; 5-gallon cans $3.00.

## Cultivate Fruit Trees, Grape Vines Etc.—Keep the Harrow in Them

### Russell-Heckle's Sunoco Self-Emulsifying Spray Oil

For dormant spray provides an economical, effective and complete control of scale insects, red spiders, leaf roller, aphids, thrips and other insects that over-winter on trees.

### Russell-Heckle's Lubricating Oil Emulsion

For dormant spray to control scale. Oil Emulsion has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

### Russell-Heckle's Peach Mix

A summer spray on Peaches and Plums, for use in place of self or home-baked Lime Sulphur, for the control of brown rot, scab and leaf spot. Use 1 pound to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. Spray every two weeks with Peach Mix and add a little Black Leaf 40 and Arsenate of Lead. This is to control black rot, scab, leaf curl, curculio and Oriental Peach Moth. Price: Peach Mix, 1 lb. 25c; 5 lbs. $1.00; 10 lbs. $1.25; by parcel post, 1 lb. 35c; 5 lbs. $1.15; 10 lbs. $1.76.
Peach Trees

First grade trees, 4 to 5 feet in height. Each 50c; 10 for $4.00; 100 for $30.00. These ripen in succession as listed. Mayflower first, last Krummel's Late.

MAYFLOWER—(Free). The earliest peach known. Fruit medium size, entirely covered with red. Last of May.

EARLY ROSE—(Semi-Cling). Fruit of fair size, highly colored. Ripens about a week later than Mayflower.


ORCHARD SIZE PEACH TREES—2 to 3 feet, one year. Each 50c; 10 for $4.50; 100 for $40.00.

Plums

First grade trees, 4 to 5 feet in height. Each 75c; 10 for $6.50; 100 for $60.00.

ABUNDANCE—(Japanese). Large; amber in color, changing to red. Ripens a week later than Red June.

BURBANK—(Japanese). Fruit large, deep red overlying a yellow ground. Flesh deep yellow and very sweet. July.

COMPASS CHERRY PLUM—The fruit is a cross between the Sand Cherry and the Miner Plum. A bright red color; sub-acid. A semi-cling, ripening in June and July.


Figs

First grade. 3 to 4 feet. Each 75c; 10 for $6.50; 100 for $60.00.

BROWN TURKEY—Fruit fair sized, pear-shaped; skin coppery-brown. Very hardy.

CELESTIAL—Small, violet colored. Very productive and of excellent quality. Hardest of all Figs.

Cherries

First grade. 3 to 5 feet. Each 75c; 10 for $6.50; 100 for $60.00.

BLACK TARTAR—(Sweet). Large size; purple-black fruit.

GOVERNOR—(Sweet). Large; light yellow skin with tinge of red. Ripens middle of May.

EARLY RICHMOND—(Sour). One of the earliest. Light red fruit. May.

LARGE MONTMORENCY—(Sour). Best variety for general planting. Large, bright red.

Grape Vines

Two-year plants, each 30c; 10 for $3.50; 100 for $20.00.

CONCORD—Bunch and berry large; blue-black in color.

MOORE'S EARLY—Ripens about two weeks ahead of Concord. Black.

NIAGARA—Bunch large; white with rather tough skin.

LUTIE—An early, dark red grape. Fruit large.
### The Mahan Pecan

This is what happened in the case of the Mahan variety: Eighteen years ago, J. M. Chestnut of Kosciusko, Miss., was visiting the state fair at Jackson, Miss., and per¬
sued a man roaming around with a glass jar full of pecans to sell five of the nuts for $1.00. Mr. Chestnut took them home and planted them. One of the young trees that came up showed exceptional vigor and grew five feet the first year and put out six limbs at the top. This was so unusual that he watched this tree with great interest and when it started bearing the nuts were much finer quality than the ones he had planted.

The tree continued to bear good crops every year and when fourteen years old bore 80 pounds. It has always remained a mystery who the man was at the fair that had so unusual that he watched this tree with great interest when fourteen years old bore 80 pounds. It has always remained a mystery who the man was at the fair that had called the "Mystery Tree." Don't fail to plant a few Mahan Pecan trees this fall. Trees sold on contract and shipped direct from grower.

*Price: $5.00 each, any quantity, F. O. B. Nursery.*

### Crafted Pecans

First grade: 4-5 feet, each $1.15; 10 for $10.00; 2-3 feet, each 90c; 10 for $8.00.

*Can't be mailed.*

**PROTSCHER—Medium to large size, nut rather long.**

**SCHLEY—Finest for eating. Nuts large, thin-shelled, well filled.**

**STUART—Nuts of good size; shell medium thin.**

**SUCCESS—Resembles Stuart, but larger. Nuts thin¬shelled.**

Write for special prices on larger quantities.

### Miscellaneous Trees, Etc.

*All two-year grade.*

**APRICOT TREES—Two varieties.** Each 75c.

**MULBERRY TREES—Two varieties.** Each 75c.

**NECTARINE TREES—Two varieties.** Each 60c.

**JAPANESE PERSIMMON.** Each 75c.

**QUINCES—Each 75c.**

**ENGLISH WALNUT TREES—Each $1.00.**

**CHESTNUT, AMERICAN SWEET—Each $1.00.**

**BLUEBERRY PLANTS—Each 75c.**

### Blackberry Plants

Price either of following varieties: 10 for 90c; 100 for $5.50; postpaid. Not prepaid, 10 for 50c; 100 for $6.25.

**EARLY HARVEST—Good quality and bears early.**

**ELDORADO—Large, black fruit. Sweet, productive. Ripens very late.**

*Prices: 10 for $1.20; 100 for $7.90; postpaid, not prepaid, 10 for $1.00; 100 for $7.50.*

**AUSTIN—Fruit large; vigorous grower.**

**LUCKETIA—Large; fine flavor.**

### Yucca

(Bear Grass or Adam's Needle)—Its stiff, heavy foliage is evergreen and its creamy white flowers are produced on a stiff stem ranging 4 to 7 feet in height. Blooms during June and July and is adapted for many purposes, such as mass planting with shrubs. *Price: 60c each; $6.50 per dozen.*

### Mallow Marvel—Hibiscus

A perennial of with handsome, green foliage and giant flowers shaped like an Althea; produced throughout the summer. Can furnish in assorted colors. *Price: 40c each; $4.00 per doz,*

### Perennial Phlox

*HARDY PLANTS—Bloom anywhere.*

Each 75c; 12 for $2.00.

**CHAMPS ELYSEES—Fine, dark red.**

**ECLAIREUR—Rose with purple tint.**

**H. O. WYERS—White with red eye; very showy.**

**MRS. JENKINS—Flowers large, pure white.**

**R. P. STRUTHERS—Cherry-red with salmon.**

*Price any following varieties: 10 for 90c; 100 for $6.90; postpaid. Not prepaid, 10 for 75c; 100 for $6.50.*

**ST. REGIS—Red. Good size and well adapted for southern planting.**

**CUBERT—Red. Large size; firm, juicy.**

**CUMBERLAND—Black. The best of the black varieties.**

**CARDINAL—Reddish-purple.** Fruit of good quality. Large.

### Special Variety Raspberry

**VAN FLEET—Vigorous, strong grower.** Free from Mosaic disease; fruit dull red, medium size. Each 20c; 10 for $1.25. By parcel post, 30c; 10 for $1.60.

### Strawberry Plants

Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

**AROMA—Large size; dark red—sweet.**

**BIG JOE—Similar but larger than Gandy. Glossy dark scarlet in color.**

**EXCELSIOR—Extra early; one of the best drought resisters.**

**GANDY—The last to ripen; a large, bright crimson berry.**

**KLONDYKE—A shapely dark red berry of uniform size.**

**LADY THOMPSON—Widely planted over the whole country.**

Prices each variety, uniform as follows: 50 plants 75c; 100 $1.10; 200 $1.90; 500 $6.25; 1,000 $10.00.

### Everbearing Strawberry Plants

**PROGRESSIVE EVERBEARING—The best of the Ever¬bearing sorts; berry dark red.** Price: 25 80c; 50 $1.50; 100 $1.90; 500 $6.25; postpaid. Not prepaid, 25 75c; 100 $1.25; 500 $6.00; 1,000 $10.00.

### Mastodon Strawberry

The world's greatest everbearing strawberry. In size and quality Mastodon heads the list. Price post¬paid, 25 plants 75c; 50 $1.75; 100 $2.00; 500 $5.10.

### Asparagus Roots

**WASHINGTON—Price: 2-year-old roots, doz. 45c; 50 $1.50; 100 $2.00; 1,000 $15.00.**

### Horseradish Roots

**MALINER KREN (Bohemian)—Large, strong cuttings 50c per dozen; $2.50 per 100; $15.00 per 1,000.**

If wanted by mail, add 10c per 100 for postage.

**Rhubarb Roots—**

Price: $1.50; 12 for $2.50; postpaid. Not prepaid, each 3c; 6 for 50c; 12 for $1.25; 100 $6.00; 1,000 $10.00.

### Apple Plants

**PROGRESSIVE EVERBEARING—The best of the Ever¬bearing sorts; berry dark red.** Price: 25 80c; 50 $1.50; 100 $1.90; 500 $6.25; postpaid. Not prepaid, 25 75c; 100 $1.25; 500 $6.00; 1,000 $10.00.

### Hedge Plants

**AMOOR RIVER PRIVET—Almost entirely evergreen Upright; dark green leaves. 18 to 24-inch. 25 for $1.50; 50 $2.50; postpaid. Not prepaid, 25 75c; 100 $1.25; 1000 $6.00.**

### California Privet

Leaves dark green. May be trimmed as desired. 18 to 24-inch. 25 for $1.50; 100 $5.00. Other sizes and varieties quoted on request.
Flowering Shrubs

**ALTHEA**—Pink, purple, red, white. Each 50c.

**Butterfly Bush**—Dwarf green. Each 50c.

**Barberry, Thunbergi**—Compact, low in growth. Each 75c.

**Calycanthus Butterfly Bush**—Each 50c.

**Forsythia**—Golden Bell. Each 50c.

**Crepe Myrtle**—Pink, purple, red. Each 75c.

**Deutzia Hills of Snow**—White. Each 75c.

**Hydrangea**—Three varieties. Each 50c.

**Lilac Syringa, purple**—Each 75c.

**Japenese Quince**—Large shrub; scarlet flowers. Each 75c.

**Honeysuckle**—Early, very showy; white. Each 75c.

**Pearl Bush**—Common. Each 75¢.

**Spirea Anthony Waterer**—Blooms all summer. Red. Each 75c.

**Spirea Van Houtte**—Bridal Rower. Each 50c.

**Spirea Prunifolia**—Show Garland. Each 75c.

**Spirea**—Golden Leaf. Each 75c.

**Mock Orange**—Philadelphus; white; fragrant. Each 50c.

**Pearly Bush**—Early, very showy; white. Each 75c.

**Pussy Willow**—2-3 feet. Each 75c.

**Snow Ballow**—Common. Each 75c.

**Spirea Van Houtte**—Bridal Rower. Each 50c.

**Spirea Prunifolia**—Show Garland. Each 75c.

**Spirea**—Golden Leaf. Each 75c.

**Spirea**—Lace-leaved; blooms late; white. Each 50c.

**Tamarix**—Pink, feathery foliage. 2-3 feet. Each 75c.

**Weigela Eva Rathke**—Dwarf flower; red. Each 75c.

**Weigela Rosea**—Deep pink. Each 60c.

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**Coniferous Evergreens**

**Arbor Vitae, American**—Conical. 18-24 in. Each $1.50.

**Arbor Vitae, Baker's Compact**—Pyramidal. 4-5 ft. Each $2.00.

**Arbor Vitae, Bonita**—Dwarf, cone-shaped. 18-24 in. Each $2.50.

**Arbor Vitae, Chinese**—Pyramidal. 18-24 in. Each $1.50.

**Arbor Vitae, Dwarf Golden**—Cone-shaped, 12-15 in. Each $2.00.

**Arbor Vitae, Globe**—Globe shaped; 12-18 in. Each $2.00.

**Arbor Vitae, Pyramidal Golden**—18-24 in. Each $2.25.

**Arbor Vitae, Roseaded**—Cone-shaped; 15-18 in. Each $1.50.

**Arbor Vitae, Texas Blue**—2-3 ft. Each $2.00.

**Cedrus Deodara, Indian Cedar**—2-3 ft. Each $2.50.

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**Shade and Ornamental Trees**

**Ash, European**—6 to 8 ft. Each $1.00.

**Birch, White**—8 to 10 ft. Each $2.50.

**Dogwood, Red**—18 to 24 inches. Each $1.75.

**Dogwood, White**—2 to 3 ft. Each 60c.

**Elm, American White**—8 to 10 ft. Each $1.50.

**Lavender Peach**—Each $2.50.

**Magnolia Grandiflora**—4 to 5 ft. Each $2.00.

**Maple, Silver**—8 to 10 ft. Each $1.25.

**Maple, Sugar**—8 to 10 ft. Each $1.50.

**Japanese Weeping Cherry**—4 to 5 feet. Each $1.00.

**Maple, Norway**—6 to 8 ft. Each $1.50.

**Poplar, Chinese**—8 to 10 ft. Each 50c.

**Poplar, Lombardy**—8 to 10 ft. Each $6.50.

**Prunus Pissardi Purple Leaf Plum**—Each 75c.

**Judas Tree**—5 to 7 ft. Each $1.00.

**Redbud, Japanese**—3 to 4 ft. Each 75c.

**Tulip Poplar**—5 to 7 ft. Each 75c.

**Umbrella Tree, Texas**—(China). Each 75c.

**Norway Spruce**—Dark green; 18-24 in. Each $2.00.

**Schott's Red Cedar**—2 to 3 ft. Each 75c.

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**Evergreen Shrubs**

**Abelia Grandiflora**—Attractive small pinkish-white flowers. Each 75c.

**Camellia Japonica**—Glossy-green; red, variegated white flowers followed by red berries. Each $1.50.

**Cape Jasmine**—Fleshy green leaves; waxy white blossoms. Each 85c.

**Carolina Cherry**—Large; dark green foliage; white flowers followed by red berries. Each 85c.

**Dwarf Boxwood**—Green foliage; for borders. Each 20c.

**English Laurel**—Medium size; broad green foliage; for background. Each $1.50.

**Cotoneaster**—Tail-growing, dark green, has black berries in fall. Each $1.00.

**Cotoneaster**—Low, spreading shrub; white flowers followed by red berries. Each $1.00.

**Euonymus Japonica**—Glossy dark green. Each $1.00.

**Gold Dust Shrub**—Green leaves spotted with yellow; ornamental. Each $1.25.


**Kudzu Vine**—Bright green, quick-growing. Each $0.50.

**Virginia Creeper**—Large green leaves. Each 50c.

**Wisteria**—Purple or white. Each 75c.

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**Climbing Vines**

**Honeysuckle, Halls**—White flowers. Each 40c.

**Honeysuckle, Scarlet Trumpet**—Red flowers. Each 40c.

**Boston Ivy**—Fine, quick climber. Each 50c.

**English Ivy**—Large, green leaves. Each 50c.

**Clematis, Jackmani**—Purple flowers. Each $1.00.

**Clematis, Paniculata**—White flowers. Each 50c.

**Kudzu Vine**—Bright green, quick-growing. Each 36c.

**Virginia Creeper**—Large green leaves. Each 50c.
**Pink Roses**

**COLUMBIA**—Clear pink deepening to a glowing-pink.

**JONEHEER, J. L. MOCK**—Bright pink faced with carmine.

**KILLARNEY**—Large bud, fragrant carmine-pink.

**MRS. CHAS. BELL**—Shell-pink with salmon shading.

**PAUL NEYRON**—Very large, dark rose-pink.

**PINK MAMAN COCHET**—Rosy-pink, a rich beautiful shade.

**RADIANCE**—Brilliant rose-pink; very fragrant.

**SILVIA R. SMITH**—Salmon-pink blended with cream.

**YELLOW ROSES**

**ETOILE DE FRANCE**—Velvety-crimson; very fragrant.

**BESSIE BROWN**—Large, full white; double flowers.

**ETOILE DE LYON**—Bright sulphur-yellow; rich color.

**EVA BILLINGHAM**—Golden-yellow with long graceful stems.

**JONKHEER, J. L. MOCK**—Bright pink faced with carmine.

**ALEXANDER HILL GRAY**—Deep lemon-yellow; prolific bloomer.

**DUCHESS OF LUXEMBOURG**—Shaded orange, yellow and pink.

**ETOLIE DE FRANCE**—Velvety-crimson; very fragrant.

**FRANCIS SCOTT KEY**—Brilliant scarlet-crimson.

**GEN. JACQUEMINOT**—Free-blooming, shining deep red.

**GRUSS AN TEPLITZ**—Fiery crimson, shaded dark velvet.

**HADLEY**—Rich, velvety-crimson.

**HIS MAJESTY**—Bright scarlet; large; handsome.

**NATIONAL EMBLEM**—Deep crimson, overlaid velvety-crimson.

**RED RADIANCE**—Free bloomer; a clear red color.

**Yellow Roses**

**ALEXANDER HILL GRAY**—Deep lemon-yellow; prolific bloomer.

**DUCHESS OF LUXEMBOURG**—Shaded orange, yellow and pink.

**ETOLIE DE FRANCE**—Velvety-crimson; very fragrant.

**FRANCIS SCOTT KEY**—Brilliant scarlet-crimson.

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**HIS MAJESTY**—Bright scarlet; large; handsome.

**NATIONAL EMBLEM**—Deep crimson, overlaid velvety-crimson.

**RED RADIANCE**—Free bloomer; a clear red color.

**White Roses**

**BEATRICE BROWN**—Large, full white; double flowers.

**SNOW QUEEN**—Sometimes called white American beauty.

**WHITE COCHET**—White with a slight pink tinge.

**WHITE OPHelia**—Very fragrant; semi-double.

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**Special Offer**

One each of the 31 Everblooming Bush Roses listed for only $16.00. Two each of the above Everblooming Bush Roses, 63 roses in all, for only $31.00.

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**Everblooming Bush Roses**

All two-year field grown hardy plants.

Set out roses very early in the spring before the sap rises. They will be sure to grow and will bloom the first season. Remember these are all heavy outdoor-grown plants, two years old and they will please you.

All roses will be pruned ready for planting.

Price any variety: Each 75c; 10 for $6.00. By mail, postpaid, each 85c; 10 for $6.50.

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**Climbing Roses**

All hardy field-grown plants, two years old, that will live and grow four feet tall by the end of the first season. Each 50c; 10 for $4.00. By mail, each 60c; 10 for $4.50.

**CRIMSON RAMBLER**—Flowers in clusters of vivid-crimson.

**DOROTHY PERKINS**—Shell-pink, shading to deep rose.

**EXCELSA**—Red Dorothy Perkins.

**FLOWER OF FAIRFIELD**—The everblooming Crimson Rambler.

**GOLDEN SLIPPER**—Large, full white; double flowers.

**PLATINA**—Large, full white; double flowers.

**PLATINUM**—Large, full white; double flowers.

**QUEEN CATERINA**—Midseason variety of clear orchid, purple veined, with bright gold and orange beard.

**ROSEWAY**—Deep red-pink, orange beard.

**ROSE CREEK**—Rich, claret-purple.

**TAUSENDSCHOEN**—Shell-pink, shading to deep rose.

**DOROTHY PERKINS**—Shell-pink, shading to deep rose.

**QUEEN CATERINA**—Midseason variety of clear orchid, purple veined, with bright gold and orange beard.

**ROSEWAY**—Deep red-pink, orange beard.

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**Special Climbing Roses**

The following are 5 distinct types of Climbing Roses of proven merit; they deserve room in your collection. Each 75c; 10 for $6.00. By mail, each 85c; 10 for $6.50.

**CLIMB*ING AMERICAN BEAUTY**—One of the grandest climbing roses of recent introduction. Glows deep red to green foliage and large, rosy crimson flowers; sweetly fragrant. Blooms throughout May and June.

**DR. W. VAN FLEET**—A delicate shade of flesh-pink deepening to rose-pink in the center. Flowers almost as large as those of a bush rose.

**CLIMB*ING K. A. VICTORIA**—An ideal climber for the South, a gorgeous growth. Large, pointed pure white buds and pure white in open flower.

**MARY WALLACE**—A pillar Rose supporting itself by a bushy growth 6 to 8 feet high. Beautiful, long buds of crimson-pink with salmon shading.

**PAUL'S SCARLET CLIMBER**—One of the most brilliant and satisfactory of all climbing roses. Extra large flowers of vivid scarlet.

**German Irises**

Commonly known as Flag Irises. Easily grown, long-lived plants that thrive on practically any soil and are perfectly at home in damp soil. Blooms in early Spring; flowers large and showy, produced in many colors and shades. Each 25c; 10 for $2.50. By mail add 5c each; 25c for 6.

**BLACK PRINCE**—Deep royal purple; very desirable.

**CRIMSON KING**—Rich, claret-purple.

**ELDORADO**—Standards bronze-yellow, falls bronze-purple.

**H. DARWIN**—White, base veined violet; falls purplish-crimson.

**PALLIDA DELMATICA**—Tall growing. Standards deli¬erately shaded; falls mahogany-red.

**QUEEN CATERINA**—Midseason variety of clear orchid, purple veined, with bright gold and orange beard.

**ROSEWAY**—Deep red-pink, orange beard.

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**Perennials**

Plants Considering the amount of the investment, Hardy Perennials give more than most any other plant, and are growing in popularity rapidly.

**HOLLY HOCK**—Assorted colors. Each 15c; doz. $1.50.

**LARKSPUR** (Delphinium Belladonna)

**CLOVE PINKS** (Dianthus Chrysanthus)

**SHASTA DAISY**—Each 25c; doz. $3.50.

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**TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies**
R.-H. CO.'S SPRAY PUMPS

Barrel or Orchard Spray Pumps

Myers No. R305B—Attaches to the side of barrel. Price, with one lead, 15 feet of ½-inch, 5-ply discharge hose, Vermorel nozzle and mechanical agitator, $12.00.

Brown Auto Sprayers—An excellent all-around sprayer.

Barrel or Orchard Spray Pumps

Myers No. R318B—Has bronze ball valves and brass seats. Plunger is self-expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of ½-inch, 5-ply discharge hose, Vermorel nozzle and mechanical agitator, $12.80.

Russett-Heckle Seed Co., Memphis, Tenn.

58
Knapsack Sprayers

The Myers No. R330
Perfect Galvanized Knapsack Spray Pump—Fitted with 5 feet of 3/8-in. hose, stop cock, pipe extension, and nozzle. $10.00.


Standard Hudson Trombone

Hudson No. 123 Trombone Sprayer—A high-pressure spray pump adapted for spraying orchards. It is double-acting and continuous, maintaining a steady discharge. May be used with a bucket, barrel or tank. Each, $4.50; by parcel post, $4.80.

Standard Brass Spray Pumps—A pump-gun style sprayer, made entirely of brass, with different nozzles; you can spray large or small orchards, poultry houses and will also spray whitewash satisfactorily.

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Continuous or Compressed Air Hand Sprayers

Brown's Auto No. 26 Continuous Sprayer—Will spray insecticides continuously. There is no other machine like it for power, efficiency and easy operation. Unequaled for small garden and house plant sprays. Handles all insecticides, fly and mosquito exterminators. Trouble-proof construction. Every part can be reached for quick and easy cleaning.

Brown's Auto No. 26A—1-quart tin sprayer. Each, 85c; by parcel post, $1.10.

Brown's Auto No. 26C—1-quart all-brass sprayer. Each, $1.50; by parcel post, $1.75.

Brown's Auto-Spray No. 5—Throws continuous sprays on both the up and down strokes and requires about one-half the energy of other pumps of this type.

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<thead>
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Brown's Auto No. 23 Continuous Sprayer—A continuous sprayer with 3-quart capacity; durable, simple, easy to clean, handles all kinds of insecticides and disinfectants; made of all-brass. Each, $2.75; by parcel post, $3.00.

Brown's Auto No. 26AG Sprayer—A new style, with glass tank, therefore can be easily cleaned. A continuous sprayer that is a real pleasure to use because it operates with so much ease. Price, No. 26AG, 1-qt. Continuous Sprayer, each, $1.25; by parcel post, $1.50.

Hudson Critic Continuous Atomizer—A simple and effective continuous sprayer, with adjustable nozzle to make a solid stream or the finest fog as desired. The removable tube gives the operator every advantage of cleaning the sprayer.

No. 427 Critic—1-qt. tin tank, 85c; by mail, $1.10.

No. 427B Critic—1-qt. brass tank, $1.50; by mail, $1.75.

Hand Sprayers

These are the single stroke sprayers that will give good satisfaction, are well made and with ordinary care will last well. Should be kept well oiled.

No. 452—1-qt. Tin Sprayers. Each, 45c; by parcel post, 70c.


No. 430—1-qt. Glass Jar Sprayers. Makes double stream; any Mason jar fits them; easily cleaned. Price, with jar, 75c; by parcel post, $1.00.

Make Some Money

For yourself, club, class, church, grange or lodge, by getting up a club order in which at least five others besides yourself participate.

Give the name and address of each person ordering and place each order on a separate sheet.

Make out orders for flower and garden seeds, according to catalog, and deduct 25% (25c on each dollar) for your profit.
Whirlwind Sprayer

A strong, well balanced, single acting atomizer. See specifications in the illustration. This is a handy hand sprayer at a reasonable price. Each, 50c; by mail 75c.

Brown’s Crystal Duster—This Duster has a glass jar, which enables the operator to adjust the supply of material. Equipped with long extension and angle nozzle for spraying the underside of leaves. Capacity, 1-quart. Price, $1.50; by parcel post, $1.75.

Lowell No. 131—Glass Jar Dry Powder Dusters. Pint size, each, 50c; by parcel post, 75c.

Hand Insect Gun—Will handle any fine dry insecticide. Each, 20c; by parcel post, 25c.

Wilson’s Spray Masks

Protects the operator from inhaling any dry powder poisons. When using poisons be sure to use this mask. Each, $1.50; by mail, $1.60.

No. 1559 Myers Angle
No. 2097 Bordeaux
No. 1563 Vernorel
No. 1 Auto Pop
No. 168 Hudson
No. 149 Brass Shut-Off Cock

Spray Nozzles

Myers Angle No. 1559—75c; postpaid, 85c.
Bordeaux No. 2097—$1.00; postpaid, $1.10.
Vermorel No. 1563—80c; postpaid, 90c.
Auto Pop No. 1—$1.50; postpaid, $1.60.
Hudson Perfection Nozzle—$1.00; postpaid, $1.10.
Hudson Angle Nozzle No. 168—75c; postpaid, 85c.
Brass Shut-off Cock—$1.00; postpaid, $1.10.

Free Gloves

When spraying they come in handy. Free—one pair of Napa-Goat Gloves with $5.00 cash orders.
INSECTICIDES AND SPRAY MATERIALS

Our service in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up-to-date and have in stock the very newest and best materials for spraying at all times.

Poisonous insecticides and liquids are not mailable. Prices are F. O. B. Memphis and subject to fluctuations, buyer paying carriage charges, excepting where noted parcel post paid.

Acme Garden Guard
A garden insecticide and fungicide for use as a dust. No water, no mixing, no mess. For use on cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds. 1-lb. sifter can, 25¢; 5 lbs., $1.00; not mailable.

Acme Bait-M
An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn. For use against small cutworms, grasshoppers, many and many other insects which migrate along the line of their course. 1-lb. 25¢; 3-lb. 60¢; not mailable.

Antrol
Destroys ants the right way; gets them at their source; safe, permanent, effective. Quickly destroys sweet eating ants. The ants smell the syrup and eat it, then transmit its mild poison to the queen, thus destroying the whole colony.

Bordeaux Mixture-Dry
The new form of Bordeaux will keep indefinitely and control all fungous troubles. 1 lb., 30¢; 4 lbs., 80¢; not mailable.

Bordeaux and Arsenate
Controls at one spraying all fungous troubles and insects. 1/4 lb., 30¢; 1 lb., 50¢; 4 lbs., $1.80; not mailable.

Bug Death
Very safe, being non-poisonous; effective on all garden insects. Price by freight: 1 lb., 20c; 3 lbs., 45c; 5 lbs., 60c; 12 1/2 lbs., $1.25. Pet. post: 1 lb., 30¢; 3 lbs., 60¢; 5 lbs., 80¢; 12 1/2 lbs., $1.70.

Bug Death Alpha
Recommended for both sucking and chewing insects, especially effective for aphids or lice, non-poisonous. 12-oz. box, 25¢; by parcel post, 32¢.

Calcium Arsenate
Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. Prices on application.

Dipdust Bayer
For larger yields of cleaner potatoes; for increasing your corn crop 8 to 30% at a cost of less than five cents per acre; to increase the germination in all seeds and allows earlier planting of seed corn. One pound treats five bushels of corn, potatoes. 4-oz. pkg., 50¢; 1-lb. pkg., $1.75; 5-lb. pkg., $1.80; not mailable.

Derrisol
Derrisol kills aphis, or other sucking insects, especially effective for aphis or lice, non-poisonous. 1-lb. can, $2.00; by parcel post, $1.35; 5 lbs., $1.25; 4 lbs., $1.80; not mailable.

Dritomic Sulphur
It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. The use of Dritomic Sulphur will prevent all fungous troubles, bitter and brown rot, scab, etc. 4-lb. pkg., 80¢; by parcel post, 4-lb. pkg., $1.00.

Ever Green
Kills them all, safe to use on tender plants and blossoms, cannot burn, non-poisonous.

Ever Green
Kills them all, safe to use on tender plants and blossoms, cannot burn, non-poisonous.

Fish or Whale Oil Soap with Potash
Prevents and cures aphis, lice and other troubles on plants and trees. 1 lb., 40c; 5 lbs., $1.75; 10 lbs., $2.75; by parcel post, 1 lb., 59¢; 5 lbs., $1.99.

Forty-Three for the Tree
Protects wounds, sticks and will not crack. When pruning heavy limbs apply 43 for the Tree. 1-lb. can, 60¢; by parcel post, 70¢. 2-lb. cans, $1.25; by parcel post, $1.40. 5-lb. cans, $2.20; by parcel post, $2.40.

Grape Dust
Prevents and cures blight, also mildew, on all plants; very effective on roses; non-poisonous. by freight, 1 lb., 20¢; 5 lbs., $1.00. by parcel post, 1 lb., 35¢; 5 lbs., $1.25.

Gulf Sulphur Dust
A highly concentrated fungicide that conquers mildew and controls black spot, and is an important plant stimulant as well. 1/4 pt., 75¢; by parcel post, 85¢. Pint, $1.25; by parcel post, $1.35. Quart, $2.00; by parcel post, $2.15. Gall., $6.00.

Insecticides
For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blights. A powerful insecticide and fungicide. Derrisol and Dritomic Sulphur. Both carry their own spreader. 4-oz. bottle, 60¢; by mail, 85¢; 1-pint, $1.00; by mail, $1.15.

QuANTITY PRICES—See Green Ink List enclosed for quantity prices on insecticides.
**Lime Sulphur—Dry or Powdered**

For dormant spraying against San Jose scale, peach blight and peach-leaf curl, for summer spraying against such fungus diseases as apple scab, pear scab and against red spider. 1 lb. pkg., $1.00; 5-lb. pkg., $5.00; 10-lb. pkg., $10.00. By parcel post, 1 lb., 50c; 5 lbs., $2.50. By parcel post, 1 lb., 45c; 5 lbs., $2.25; 10 lbs., $3.80.

**Lime Sulphur Solution**

A concentrated liquid form easily mixed. Simply add 9 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. Qt., 40c; 1/2 gal., 60c; gal., 85c; not mailable.

**Lubricating Oil Emulsion**

For dormant spray to control scale. Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing. Made according to formula in U. S. Farmers' Bulletin No. 914—use 2 gallons to 48 gallons of water. Qt., 40c; 1/2 gallon, 60c; 1-gallon can, 85c; f. o. b. Memphis.

**Melrosine**

Kills and prevents rose bugs, blister, beetles, cabbage bugs; is effective and pleasant to use. It is one of the best non-poisonous insecticides. 6-oz. can, 50c; by parcel post, 60c.

**Paris Green**

Known for its effectiveness. It must be used with care; one teaspoonful to one gallon of water will be safe. Add 2 tablespoonfuls of lime to prevent burning. 1/4 lb., 20c; 1 lb., 50c; 5 lbs., $2.00; not mailable.

**Para-dichlorobenzene**

Peach Tree Borer control. Discovered at last, a sure cure for peach tree borer. Time of application, October 1st to November 31st. Para-dichlorobenzene must not be used on any trees under four years old, as it is very powerful and will harm young trees. Prices: 1/2 lb., box, 35c; 1-lb. box, 50c; 5 lbs., $2.00; 10 lbs., $3.50. By parcel post, 1/2 lb., 45c; 1 lb., 60c; 5 lbs., $2.25; 10 lbs., $3.80.

**Peach Mix**

A summer spray on peaches and plums, for use in place of self or home-boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 pound to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Lime Sulphur of Lead to each 5 gallons of spray mixture. This is to control brown rot, scab, leaf curl and curculio. 1 lb., 25c; 5 lbs., $1.00; 10 lbs., $1.50. By parcel post, 1 lb., 35c; 5 lbs., $1.15; 10 lbs., $1.75.

**Pomo Dust**

For black spot on roses, when the leaves on the rose plants turn yellow and have small black spots on them, causing them to drop off, you can correct this trouble which many think is blight with Pomo Dust. 1 lb., 50c; 5 lbs., $1.50; not mailable.

**Para-Dichlorbenzene**

Para-dichlorbenzene is a powerful contact insecticide and fungicide that kills bugs, prevents blights and rots, and improves the foliage. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes or other crop. 1 lb., 35c; 5-lb. pkg., $1.75; 10-lb. pkg., $3.00. Cannot be mailed.

**Pyrox**

...for leaf-eating insects and plant diseases. Pyrox is a combined insecticide and fungicide that kills bugs, prevents blights and rots, and improves the foliage. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes or other crop. 1 lb., 35c; 5-lb. pkg., $1.75; 10-lb. pkg., $3.00. Cannot be mailed.

**Scalecide, Pratt's**

Especially recommended for spraying trees in the dormant state. For San Jose Scale it is even more effective and spreads better than lime sulphur. For the dormant spray, use one part scalecide to 15 parts of water. Not prepaid, qt., 75c; gallon, $1.75; 5 gallons, $6.25; 10 gallons, $10.60.

**Semesan Makes Seeds and Plants Healthy**

SEMESAN is recommended by the American Rose Society for the treatment of brown canker and other diseases of rose bushes, such as mildew and black spot. It is recognized by growers everywhere as the most effective treatment for the control of damping-off diseases. Prices: Semesan for Roses and all small seeds: 2 ozs., 50c; 8 ozs., $1.60; 1 lb., $2.75. Semesan Junior, for Corn: 4 ozs., 50c; 1 lb., $1.75; 5 lbs., $8.00. Semesan Bulb, for Potatoes and Bulbs: 4 ozs., 50c; 1 lb., $1.75; 5 lbs., $8.00. Not mailable.

**Slug Shot**

Especially effective against cutworms and is not poisonous. Price, by freight: 1 lb., 20c; 5 lbs., 60c; 10 lbs., $1.10; by parcel post, 1 lb., 30c; 5 lbs., 75c; 10 lbs., $1.35.

**Sure-Noxem**

One of the best vegetable insecticides in use. Especially recommended for destroying worms, beetles, leaf hoppers, aphids, etc. 1 lb. box, 25c; 5-lb. pkg., 50c; not mailable.

**Quantities Prices**

For quantity prices on Insecticides, see Green Ink List enclosed.
Shep's Plant Spray
Kills and controls plant lice, thrips, leaf-hoppers, Har¬
quean bugs, red spiders, etc. If your muskmelon and cu¬
cumber crops are bothered with worms, use Shep's Plant
Spray once a week. Kills lice on turnips, etc. 2-oz.
bottle, 35c; by mail, 40c; 1/2-pint bottle, 75c; by mail, 85c.

DIRECTIONS FOR USING SHEP'S PLANT SPRAY
Simply mix with water. (For proportions and dir¬
cctions see directions on bottle.) Stir or shake for a few seconds until
it forms a milk-white emul¬
sion. Then spray on the
plant. If you do not have a
plant sprayer, use a small
brush, dipping it in the solu¬
tion and shaking it over the
plant so that the spray reaches
all parts.

Snarlo
The National Pest Control
Science provides a new method that does the
work safely and quickly: kills cutworms, snails,
sow bugs, grasshoppers, slugs, etc.
Snarlo is a ready-prepared meal that you simply
broadcast on the ground around the growing
plants. The pests eat the meal and are quickly
destroyed. 1-lb. carton, 50c; 3-lb. carton, $1.00;
not mailable.

Sunoco Self-Emulsifying
Spray Oil
For dormant spray provides an economical,
effective and complete control of scale insects,
red spiders, leaf rollers, aphids, thrips and other insects that over-winter on
trees.
Sunoco Self-Emulsifying Spray Oil mixes with any kind of water
and will not separate after once being emulsi¬
ified; dilute one part to
20 parts of water for dor¬
mant spray. 1-gal. can,
$1.25; 5-gal. can, $5.00

Sunoco Tobacco Soap
Kills all insects on plants; simple and effec¬
tive. Not prepaid:
3-oz. cake, 10c; 8-oz.
25c. By parcel post,
3-oz. cake, 15c; 8-oz.
30c.

QUANTITY
PRICES—See Green Ink List enclosed for
quantity prices on In¬
secticides and Spray
Materials.

Efficient Sulpho Tobacco
Plant and Animal
Soap
INSECTICIDE

Volck
A powerful insecticide
used as a spray to over¬
come red spider, aphids,
white flies, mealy bugs,
etc. Volck is easy and
pleasing to handle; does
not burn and has no odor.
Ask for circulars. 1/2 pt.,
35c; 1 pt., 60c; qt., $1.00.
By parcel post, 1/2 pt.,
45c; pt., 70c; qt., $1.15.

Calcium Nitrate
Helps to keep the soil in good mechanical
condition, free from cloids and surface crusts. Ask for circular on this new fertilizer.

Standard Insecticides
(These are poisonous; not mailable.)
Arsenate of Zinc—Kills potato bugs, and bag
worms on Evergreens. 1 lb., 45c.
Blue Stone—Copper Sulphate Crystals. 10 lbs.,
$1.00.
B. T. S.—For dormant spraying. 5 lbs., $1.00.
Copper Sulphate Solution—For black spot on
roses, twig blight, etc. Qt., $1.25.
Cyanide—Kills rats, moles, etc. 1-lb. box, 75c.
Plant Guard—For sucking and chewing insects
35c; 60c boxes.
Soluble Sulphur Compound—For dormant spray¬
ing. 10 lbs., $1.00; 100 lbs., $7.50.
Potassium Sulphate—10 lbs., $1.00.
Tuber Tone—For potato beettles. 1/2 lb., 30c;
1 lb., 50c.
Kainey—Controls codling moth. 4 lbs., 80c.
Kolofor—Controls peach rot. 4 lbs., $1.00.
Wetter—Summer spray for apple and peaches.
8 lbs., $1.00.
Hebore—Sure death to all insect life. 1/2 lb.,
35c.
Insect Checker—For all chewing insects. Box,
20c.
Niagara Nico Dust—Controls lice or aphids, bee¬
tles, worms, caterpillars, etc. 1 lb., 35c; 100 lbs.,
$15.00.

What and When to Spray
Begin early—don't procrastinate. Dormant
spraying should be done in January and February.
Use a good force pump, either bucket or barrel
sprayer, depending on the number of trees you
have. Remember all the spray materials should
be put on in a fine mist with ample force so as to
reach every part of the tree.

Guaranteed To Kill
Champion Tree Killer
For trees, shrubs and vines. Trees die quicker,
stumps rot quicker than old method of deadening.
Will kill Johnson grass, sprouts, grasses, etc. Guaran¬
teed to do the job. Gal., $1.25, f. o. b. Mem¬
phis.

Mixing Spray Materials
A 1-to-50 solution means: 1 teaspoonful to
1 pint of water; 1 tablespoonful to 1 gallon of
water, 1 qt. to 12 gallons of water; 1 gallon to
50 gallons of water.
R.-H. Co.'s Bone Meal Fertilizer

We guarantee our Bone Meal to analyze 24% per cent phosphoric acid and not less than 2.47% per cent ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, ferns, and other potted plants, and for grass crops. 4 lbs. $1.00, 100 lbs. $2.25; by parcel post, 4 lbs. 45c.

Nitrate of Soda

Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally. It requires about 150 pounds of Nitrate of Soda to the acre.

Prices: 4 lbs. 25c; 15 lbs. 75c; 25 lbs. $1.00; more available. For prices on larger quantities, refer to Green Ink List in this catalog.

Feefed

This is a correctly balanced plant food; a wonderful tonic, increases the foliage, gives better color, hastens maturity and improves the quality. 4-pk. pkg. 25c, postpaid; 35c; 8-oz. pkg. 45c; postpaid 55c.

Stim-U-Plant

Stim-U-Plant is an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. Price: 10 tablets 75c; 20 for 35c; 100 for 75c; 1,000 for $3.50. Postpaid, 10 tablets 85c; 10 tablets 95c; 100 tablets 80c; 1,000 tablets $3.50.

Calcium Nitrate—See inside front cover page for this and other fertilizers.

Lawn and Garden Lime

Lime sweetens sour soil and gives nature a chance to release the potash which is natural in our soil. Three to five pounds for a plot 10x10 or 100 square feet is about the right quantity for gardens. Cautions—Do not use bare hands and do not let any flying lime get into the eyes. If seeds are to be sown put lime on a week before planting. Apply the lime as early in the spring as possible. Lime is a fertilizing plant-food. Lime, 5-lb. carton 55c; postpaid not prepaid 55c. Price: Dixie Hydrated Lime, 40-lb. bag 85c, f. o. b. Memphis.

Land Plaster or Agricultural Gypsum

Sow Gypsum or Land Plaster on your alfalfa or lawn. Land Plaster will feed the lawn with sulphur, which will furnish more nitrogen, both will be beneficial. Land Plaster can be used for making insecticides at the rate of 1 pound of Insecticide to 50 pounds of Land Plaster.

Ask for booklet on "How and Why of Agricultural Gypsum."

Fulton's Plantabbs

To enjoy a gorgeous garden with a profusion of brilliantly colored blooms, to raise tender, succulent vegetables and fruits, use Plantabbs! Packed in four sizes; 20 tablets 25c; 55 tablets 50c; 150 tablets $1.10; 1,000 tablets $3.50; each, postpaid.

R.-H. Co.'s Commercial Fertilizers

Especially prepared for us. They excel in mechanical condition, are fine and dry and easily spread by hand in drill or broadcast. Our various brands are described below, quoted on request. Analysis about as follows:

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R.-H. Co.'s Kainit 12% Potash

### SEED SOWERS AND GARDEN TOOLS

#### Seed Sowers
- Cahoon Broadcast—$4.50; postpaid...
- Cyclone Broadcast—$2.00; postpaid...
- Horn Seeder—$1.00; postpaid...
- Thompson Wheelbarrow Seeder No. 3...
- Thompson No. 2—Extra Deep Hopper.

#### Col-O-Glass—Glass Cloth
Col-O-Glass comes three feet wide, any length. 1 roll, 100 feet long:
- $42.50. Less than roll, per running foot 45c, f. 0. b. Memphis.
- Glass Cloth comes one yard wide, cut in the following lengths:
  - 5 yards long $1.70.
  - 10 yards long $2.90.
  - 15 yards long $3.75.

#### Flower Pots—Bulb Pots
- 2½-inch. doz. 25c; 100.
- 3-inch. doz. 35c; 100.
- 4-inch. doz. 45c; 100.
- 5-inch. doz. $1.00; 100.
- 6-inch, each 10c; doz. $0.60.
- 8-inch, each 25c; doz. $1.25.
- 10-inch, each 50c; doz. $1.00.

#### Garden Plows
- Leader No. 2—Complete...
- Hudson No. 320...

#### Neponset Paper Flower Pots
- 2½-inch., 100 60c; 1,000 $4.50; postpaid, 100.
- 3-inch., 100 80c; 1,000 $6.50; postpaid, 100.
- 4-inch., 100 $1.20; 1,000 $9.00; postpaid, 100.

#### Wire Hanging Baskets
- 8-inch. 25c; postpaid...
- 10-inch. 30c; postpaid.
- 14-inch. 50c; postpaid.

#### Wooden Plant and Tree Labels
- 4-inch Plant Label, 100 40c; postpaid.
- 6-inch Plant Label, 100 60c; postpaid.
- 8-inch Plant Label, 100 90c; postpaid.
- Copper Tree Labels—100 $2.00; postpaid...
- Peerless Plant Markers—Doz. $1.00; by parcel post.

#### Weeder
- Excelsior—5-point, 20c; postpaid...
- Michigan Wire Handle—10c; postpaid...
- Gilson, 5-point—12c; postpaid...
- Lively Weeder—$1.50; postpaid.

#### Strawberry Boxes, Tomato Baskets
- Pint Strawberry Boxes—100 $1.00; 1,000.
- Quart Strawberry Boxes—100 $1.50; 1,000.
- 3-quart Tomato Baskets—100 $2.00; 1,000.
- Pint Strawberry Crates—Doz. 3.00.

#### Garden Tools and Requisites
- Baskets, Bushel, Stave, doz.
- Corn Planters, 1-hand.
- Corn Planters, 2-hand.
- Calf Weaners, Kee's, 40c; postpaid...
- Hedge Shears, 6-inch $1.35; postpaid.
- Hedge Shears, 8-inch $1.75; postpaid.
- Masters Plant Setters, each.
- Mole Traps, $1.00; postpaid...
- Pruning Shears, 8-inch $1.00; postpaid...
- Pruning Shears, 9-inch $1.25; postpaid...
- Tree Protectors Venere, per 100.

#### Thompson Fertilizer Distributors
Designed to spread evenly pulverized sheep manure, Loma, Vigoro, Bone Meal, Land Plaster, etc. Broadcast six feet wide as fast as a man can walk. Wind won't blow the material; will not mar lawns or greens.
- Ask for circulars.
- No. 110—Hopper holds 100 pounds fertilizer...
- No. 112—Hopper holds 50 pounds fertilizer...

#### Twines
- Jute—2-ply, 14-lb. balls; lb. 24c
- Jute—2-ply, 50-lb. coils; lb. 20c
- Cotton—6-ply, 1/4-lb. balls; lb. 45c
Fancy Two-Tone and Duco Finish Canary Bird Cages

All Duco and Two-Tone Finish with drinking and feed cups in colors. These are the latest thing in Bird Cages. All made up in fancy style and in many colors and real classy, strong, handsome and an ornament to any home. The birds cannot pick off the finish, nor will they discolor. On account of the many combinations and colors, be sure to give second choice of cage and color, as we have sold out of the one you order.

Fancy Duco Finish Bird Cages

In following colors, all handsome, showy cages that will please you. Blue and gold, Bermuda and gold, Chinese red and black, green and black. Following sizes without draw base:

- No. 2274—10 1/8 x 13 inches, each $3.10
- No. 2273—11 x 13 1/2 inches, each $3.26
- No. 2276—11 1/4 x 14 1/4 inches, each $4.20

By parcel post, 40c each extra.

Gilt and Brass Cage Stands

These match cages No. 5, 7, 274, 275, 276, No. 55 and 57—Half Arch Stand, each... $2.25
- No. 31—Old Ivory Stand, half arch... 2.35
- No. 31—Bermuda and Gold, half arch... 2.35
- No. 55—Full arch stand, each... 2.75

Duco finish in following colors to match Duco Cages No. 2274, 2275, 2276, 3274, 3275, 3276; Chinese red and black, Bermuda and gold, blue and gold, green and black.

- No. 55 and 57—Half Arch Stand, each... $2.25
- No. 31—Old Ivory Stand, half arch... 2.35
- No. 31—Bermuda and Gold, half arch... 2.35
- No. 55—Full arch stand, each... 2.75

Two-Tone Trimmed Cages

A very fancy beautiful design. Brass body with top piece, cups, and base finished in following colors: Red, green and blue, all without draw bottom.

- No. 2274—10 1/8 x 13 inches, each... $3.10
- No. 2276—11 1/4 x 14 1/4 inches, each... 4.20

By parcel post, 40c each extra.

Gilt and Brass Cage Stands

These match cages No. 6, 7, 274, 275, 276; Gilt half arch stand, each... $2.25
- No. 31—Old Ivory Stand, half arch... 2.35
- No. 31—Bermuda and Gold, half arch... 2.35
- No. 55—Full arch stand, each... 2.75

MATCHED OR COMBINATION 2-TONE AND DUCO CAGES AND STANDS

All with draw bottom. These are extra fancy beautiful combinations. Following colors: Red 2-Tone, Meadow-Green, Tangerine and Ivory.

- No. 250—D. B. Cage with No. 57 Half Arch Stand... $9.50
- No. 250—D. B. Cage with No. 58 Full Arch Stand... 10.00
- No. 250—D. B. Cage with No. 63 Full Arch Stand... 11.50
- No. 250—D. B. Cage with No. 57 Half Arch Stand... 9.50
- No. 250—D. B. Cage with No. 58 Full Arch Stand... 10.00
- No. 250—D. B. Cage with No. 63 Full Arch Stand... 11.50

Sold in matched combination as above only.

Fancy Colored Tassels for Bird Cages

Each 25c; by parcel post 30c.

Round Ivory Enamel Cages

With Seed Guard.

- No. 6—Round, 10 1/4 inches diameter, 14 1/4 in. high. Each $2.50.
- No. 7—Round, 12 in. diameter, 14 1/2 in. high. Each $3.00.

By parcel post, add 35c each extra for postage.

Parrot Cages

Special tin, strong and well made.

- No. 80—Diameter 14 in., height 23 in. Each $6.50.


Too large to mail.

Metal Breeding Cages

Absolutely vermin-proof, complete with solid and wire partitions, metal drawer and solid back, four glass cups, six perches and two nests.

- No. 88—Single Breeder. 13 1/2 x 8 x 13 1/2, each $4.00; by parcel post, $4.40.
- No. 86—17 3/4 x 8 3/4 x 14 1/2, each $4.75; by parcel post, $5.25.
- No. 86S—17 1/2 x 8 3/4 x 14 1/4, each $5.50; by parcel post, $6.00.
- No. 87—22 1/2 x 11 1/2 x 16, each $6.50; cannot mail.

Bird Cage Cups and Bath Houses

Each Postpaid

- Bird Cage Cups, glass... $0.15 $0.20
- Bird Cage Cups, pointed... $0.15 $0.20
- Bird Cage Cups, for medicine... $0.10 $0.15
- Bird Cage Cups, Breeding Cages... $0.20 $0.30
- Bird Cage Cups, opal... $0.15 $0.20
- Bird Cage Cups, ivory... $0.15 $0.20

Bird Cage Cups, for medicine...

- No. 80—Diameter 14 in., height 23 in. Each $6.50.

Canary Birds

Every singer we sell has been tested and known by us as a singer. We cannot send out on trial or exchange birds.

- St. Andrewsburg Rollers—$8.50 to $10.00 each.
- English Chopper Canaries—$8.50 each.
- Male canaries for breeding, $2.00 to $2.50 each.
- Female canaries for breeding, $2.50 to $3.00 each.

Fancy Colored Tassels for Bird Cages

Each 25c; by parcel post 30c.

Traveling Bird Cage

Just the right size for traveling purposes.

- No. 91—Japanese cage, 7 1/4 x 6 1/4 inches. Each $1.35; by parcel post, $1.50.

BIRD CAGES

Fancy Two-Tone Brass Trimmed Cages

These all have the draw bottom which makes cleaning convenient.

- No. 2274—10 1/8 x 13 inches... $3.10
- No. 2276—11 1/4 x 14 1/4 inches... 4.20

By parcel post, 40c each extra.

Round Brass Cages

With base. With Brass Seed Guard.

- No. 1276—Round Brass Cage, 15 1/2 inches high. Each $3.50; by parcel post, $3.90.
- No. 274—Round Brass, 15 1/2 in. high. Each $4.00; by parcel post, $4.40.
- No. 275—Round Brass, 15 1/2 in. high. Each $3.75; by parcel post, $4.15.
- No. 276—Round Brass, 17 1/2 in. high. Each $4.25; by parcel post, $4.65.
- No. 91—Japanese Cage, 7 1/4 x 6 1/4 inches. Each $1.35; by parcel post, $1.50.

Parrot Cages

Special tin, strong and well made.

- No. 80—Diameter 14 in., height 23 in. Each $6.50.

Too large to mail.

Metal Breeding Cages

Absolutely vermin-proof, complete with solid and wire partitions, metal drawer and solid back, four glass cups, six perches and two nests.

- No. 88—Single Breeder. 13 1/2 x 8 x 13 1/2, each $4.00; by parcel post, $4.40.
- No. 86—17 3/4 x 8 3/4 x 14 1/2, each $4.75; by parcel post, $5.25.
- No. 86S—17 1/2 x 8 3/4 x 14 1/4, each $5.50; by parcel post, $6.00.
- No. 87—22 1/2 x 11 1/2 x 16, each $6.50; cannot mail.
# Bird Supplies and Remedies

## Bird Cage Baths
- **Bird Bath**
  - Each $0.20
  - Postpaid $0.30
- **Bird Nest**
  - Each $0.10
  - Postpaid $0.15
- **Nesting Hair, pkg.**
  - Each $0.10
  - Postpaid $0.12
- **Cage Medicine Holders**
  - Each $0.10
  - Postpaid $0.15

## Bird Cage Needs
- **Brass Springs, heavy**
  - Each $0.25
  - Postpaid $0.30
- **Brass Springs, light**
  - Each $0.15
  - Postpaid $0.20
- **Brass Chains, 1-foot**
  - Each $0.25
  - Postpaid $0.30
- **Brass Chains, 2-foot**
  - Each $0.25
  - Postpaid $0.30
- **French’s Mixed Bird Seed, 10-oz. pkg.**
  - Each $0.15
  - Postpaid $0.20
- **French’s Bird Tonic**
  - Each $0.25
  - Postpaid $0.30
- **French’s Parrot Food**
  - Each $0.35
  - Postpaid $0.45
- **French’s Nestling Food**
  - Each $0.25
  - Postpaid $0.30
- **Bird Cage Bracket, nickel**
  - Each $0.20
  - Postpaid $0.25
- **Bird Cage Bracket, brass**
  - Each $0.25
  - Postpaid $0.30
- **Perches, all sizes**
  - Each $0.10
  - Postpaid $0.12
- **Swings**
  - Each $0.15
  - Postpaid $0.20
- **Knobs, for top**
  - Each $0.25
  - Postpaid $0.30
- **Canary Leg Bands, aluminum, doz.**
  - Each 25c
  - Postpaid 30c
- **Phil. Bird Cuttle Bone—With holder; large**
  - Each 10c
  - Postpaid 12c
- **Phil. Bird Manna**
  - Each 15c
  - Postpaid 18c
- **Phil. Mixed Canary Seed, pt. box.**
  - Each $0.15
  - Postpaid $0.20
- **Phil. Red Bird Gravel, pt. box.**
  - Each $0.15
  - Postpaid $0.20
- **Phil. Silver Bird Gravel, pt. box.**
  - Each $0.15
  - Postpaid $0.20
- **Phil. Drahotos Song Restorer, box.**
  - Each $0.15
  - Postpaid $0.18
- **Phil. Bitters, bottles**
  - Each $0.25
  - Postpaid $0.30
- **Phil. Mite Powder, box**
  - Each $0.25
  - Postpaid $0.30
- **Phil. Mouling Pepper, box**
  - Each $0.25
  - Postpaid $0.30
- **Phil. Orange Color Food, box**
  - Each $0.25
  - Postpaid $0.30
- **Phil. Bird Merican Salve**
  - Each $0.25
  - Postpaid $0.30

## Calendars Free
When you order any goods, if you request it, we will be pleased to mail you one of our “Year at a Glance Calendars.”

## Gold Fish Food
- **Spratt’s Aquarium Fish Food**
  - Each $0.10
  - Postpaid $0.15
- **Wafers Fish Food**
  - Each $0.10
  - Postpaid $0.15
- **Natural Fish Food**
  - Each $0.10
  - Postpaid $0.15

## Russell-Heckle’s Bird Seed
- **R.-H. Co.’s Mixed Canary**
  - Per lb. $0.15
  - Postpaid $0.20
- **R.-H. Co.’s Bird Hemp**
  - Per lb. $0.15
  - Postpaid $0.20
- **R.-H. Co.’s Bird Rape**
  - Per lb. $0.15
  - Postpaid $0.20
- **R.-H. Co.’s Bird Millet**
  - Per lb. $0.15
  - Postpaid $0.20
- **R.-H. Co.’s Plain Canary**
  - Per lb. $0.15
  - Postpaid $0.20
- **R.-H. Co.’s Sunflower Seed**
  - Per lb. $0.15
  - Postpaid $0.20
- **R.-H. Co.’s Bird Lettuce**
  - Per lb. $0.35
  - Postpaid $0.40
- **R.-H. Co.’s Bird Pepper**
  - Per lb. $0.60
  - Postpaid $0.60

## Cuttle Fish Bone
- Fresh, clean, medium size, whole bone, loose.
  - 3 for 5c; lb. 45c. By mail, 3 for 10c; lb. 55c.
In Dog Foods we handle only those foods which are manufactured on a scientific, balanced-ration basis, where continued research work is maintained and feeding tests are continuous, and carefully checked. We are prepared to supply you at manufacturers' prices, as we are carlot buyers.

K. F. S. Dog Foods

Contain cereals, vegetables, Cod Liver Oil, Meat, etc., a high grade food at a reasonable price.

K. F. S. Whole Biscuit:
1 lb. 15c; 10 lbs. $1.20; 25 lbs. $2.50. By parcel post, 1 lb. 22c; 10 lbs. $1.40; 25 lbs within 3rd zone $2.95.

K. F. S. Kibbled or Broken Biscuit:
1 lb. 15c; 10 lbs. $1.25; 25 lbs. $2.75. By parcel post, 1 lb. 22c; 10 lbs. $1.45; 25 lbs within 3rd zone $3.20.

K. F. S. plain biscuit with meat, 25 lbs. $2.50; by parcel post $2.95.

Miller's A-1 Dog and Puppy Ration
Battle Creek Health Food for Dogs

Miller's A-1 Dog Biscuits contain the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, $1.45; 25 lbs., $2.50, by parcel post within second zone, $2.95.

Miller's A-1 Kibbled Dog Biscuit
Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, 1.45; 25 lbs., $2.50, by parcel post within second zone, $2.95.

Miller's A-1 Puppy Meal
Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies. Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, 1.45; 25 lbs., $2.50, by parcel post within second zone, $2.95.

Bennett's Milk Bone Dog Biscuit
A superior preparation. Keeps dogs in good condition. Per box, 40c, by parcel post, 50c.

Bennett's Milk Bone Puppy Biscuit
Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 40c; by parcel post, 50c.

Champion Dog Food

Champion Dog Biscuit
Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, $1.45; 25 lb. bags, $2.75, by parcel post within second zone, $2.95.

Champion Kibbled Dog Biscuit
(The broken small pieces.)
Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, $1.45; 25 lbs., $2.75, by parcel post within second zone, $3.20.

Champion Puppy Biscuit
Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, $1.45; 25 lb. bags, $2.75, by parcel post within second zone, $3.20.

Champion Puppy Meal
Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., $1.25, by parcel post, $1.45; 25 lb. bags, $2.75, by parcel post within second zone, $3.20.

Spratt's Dog Foods

These are always dependable and have been used by dog fanciers for over 37 years.

Spratt's Dog Cakes, 2-lb. carton, 40c, by parcel post, 50c; 1-lb. cartons, 80c, by parcel post, 95c.

Spratt's Puppy Cakes—2-lb. cartons, 40c, by parcel post, 50c.

Spratt's Cod Liver Oil Cakes—2-lb. cartons, 40c, by parcel post, 50c.

Spratt's Orphan Puppy Food—1-lb. cans, 60c, by parcel post, 70c.

Spratt's Pupplac—10-oz. tin, 50c, by parcel post, 60c.

Spratt's Fibo—2-lb. carton, 40c, by parcel post, 50c.

Rose's Chips

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 40c; by parcel post, 50c.

FOR QUANTITY PRICES ON DOG FOODS, see Green Ink List enclosed.
Ken-L-Ration

The Dog Food Supreme.

These Foods Are Literally Packed with Nutrients.

Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil, this is a perfect balanced ration. 1-lb. can 25c; 6 cans $1.00; case 24 cans $6.00. By parcel post, 1-lb. can 25c; 6 cans $1.25; 2-lb. can 50c.

Hemo-Ration

Is meat, blood, cereal and cod liver oil produced from the finest stock and corned with vegetables. 1-lb. can 25c; 6 cans $1.00; case 24 cans $6.25; 7-lb. can 75c; case 6 cans $4.20. By parcel post, 1-lb. can 25c; 6 cans $1.25; 7-lb. can 95c.

Rose's Redi-Ration

Is a cod liver oil, meat and cereal preparation for dogs and puppies. Very rich in flesh and bone building ingredients. 1-lb. case (4 cans) $4.00. By parcel post, can 85c; doz. cans $1.45. 2-lb. can 90c; 6 cans $5.10; 90c; 6 cans $5.10. By parcel post, 40c; 6 cans $1.75.

Calum

Makes Puppies Grow Strong and Healthy.

A mineral compound fed to the mother before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.

Calcium takes the place of green bone-food and prevent rickets and softening of the bones. Calcium is not a complete food in itself, but a small amount being used in conjunction with the regular food. 1 lb. 85c; 5 lbs. $2.50; 6 cans $2.10. By parcel post, qt. can 55c; 6 cans $1.75.

Pulp-E-Ration

Is the perfect puppy food. Very rich in protein, meat, blood, cereal and cod liver oil fat. 1-lb. can 25c; 6 cans $1.00; case 24 cans $6.75. By parcel post, 1-lb. can 25c; 6 cans $1.25.

Maro-Meat

A clear meat-and-marrown-powder, too highly concentrated for feeding alone. A basic meat ration to be mixed with other and lighter material. 2-lb. can 40c; dog's ration case 18 cans $6.00. Parcel post, 2-lb. can 50c.

Kit-E-Ration

The cat food supreme. A balanced ration, ready to serve. 1-lb. case 24 cans $6.00; case 48-1-lb. cans $11.00. By parcel post, 1-lb. can 25c; 6 cans $1.25.

Doggie Dinner

Made from clean, sound beef, an appetizing food that your dog will relish and at the same time keep him in good condition. Doggie and Puppy Dinner contains the best possible quality and low in price. 16-oz. can 20c; 6 cans $1.00; case 24 cans $3.25. By parcel post, 16-oz. case 30c; 6 cans $1.25.

Puppy Dinner

A perfect food for puppies, containing the elements necessary for growth and bones and coat. 16-oz. can 25c; 6 cans $1.00; case 24 cans $3.00. By parcel post, can 30c; 6 cans $1.25.

Miller's A-1 Quick Lunch

A clean meat product designed to meet the needs of a quick lunch for dogs and puppies: rich in protein and organic matter. Can be used as a complete food, or with Miller's A-1 Ration. 1-lb. can 29c; 6 cans $1.50; 1-lb. case 6 cans $1.50. By parcel post, 1-lb. can 25c; 6 cans $1.25.

KFS Co.'s Perfect Condition Canned Meat

Especially prepared for dogs: it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. Qt. can 45c; 6 cans $2.10. By parcel post, qt. can 55c; 6 cans $2.40.

Rose's Redi-Ration

Is a cod liver oil, meat and cereal preparation for dogs and puppies. Very rich in flesh and bone building ingredients. 1-lb. case (4 cans) $4.00. By parcel post, can 85c; doz. cans $1.45. 2-lb. can 90c; 6 cans $5.10; 90c; 6 cans $5.10. By parcel post, 40c; 6 cans $1.75.

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Makes Puppies Grow Strong and Healthy.

A mineral compound fed to the mother before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.

Calcium takes the place of green bone-food and prevent rickets and softening of the bones. Calcium is not a complete food in itself, but a small amount being used in conjunction with the regular food. 1 lb. 85c; 5 lbs. $2.50; 6 cans $2.10. By parcel post, qt. can 55c; 6 cans $1.75.

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Maro-Meat

A clear meat-and-marrown-powder, too highly concentrated for feeding alone. A basic meat ration to be mixed with other and lighter material. 2-lb. can 40c; dog's ration case 18 cans $6.00. Parcel post, 2-lb. can 50c.

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KFS Co.'s Perfect Condition Canned Meat

Especially prepared for dogs: it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. Qt. can 45c; 6 cans $2.10. By parcel post, qt. can 55c; 6 cans $2.40.

Rose's Redi-Ration

Is a cod liver oil, meat and cereal preparation for dogs and puppies. Very rich in flesh and bone building ingredients. 1-lb. case (4 cans) $4.00. By parcel post, can 85c; doz. cans $1.45. 2-lb. can 90c; 6 cans $5.10; 90c; 6 cans $5.10. By parcel post, 40c; 6 cans $1.75.

Calum

Makes Puppies Grow Strong and Healthy.

A mineral compound fed to the mother before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.

Calcium takes the place of green bone-food and prevent rickets and softening of the bones. Calcium is not a complete food in itself, but a small amount being used in conjunction with the regular food. 1 lb. 85c; 5 lbs. $2.50; 6 cans $2.10. By parcel post, qt. can 55c; 6 cans $1.75.

Pulp-E-Ration

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A clear meat-and-marrown-powder, too highly concentrated for feeding alone. A basic meat ration to be mixed with other and lighter material. 2-lb. can 40c; dog's ration case 18 cans $6.00. Parcel post, 2-lb. can 50c.

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Miller's A-1 Quick Lunch

A clean meat product designed to meet the needs of a quick lunch for dogs and puppies: rich in protein and organic matter. Can be used as a complete food, or with Miller's A-1 Ration. 1-lb. can 29c; 6 cans $1.50; 1-lb. case 6 cans $1.50. By parcel post, 1-lb. can 25c; 6 cans $1.25.

KFS Co.'s Perfect Condition Canned Meat

Especially prepared for dogs: it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. Qt. can 45c; 6 cans $2.10. By parcel post, qt. can 55c; 6 cans $2.40.
Champion Dog Remedies

- Worm Expeller—Box, six treatments, 60c.
- Condition Tablets—Box $1.00.
- Disinfectant—8-oz. bottle 60c.
- Ear Canker Remedy—6-oz. bottle $1.00.
- Eye Wash—Bottle 60c.
- Foot Poult—6-oz. bottle $1.00.
- Liquid Shampoo—Bottle 60c.
- Mange Remedy—Box, six treatments, 60c.
- Skin Salve—Box $1.00.
- Liquid Shampoo—Bottle 60c.
- Eye Wash—Bottle 60c.
- Ear Canker Remedy—6-oz. bottle $1.00.
- Mange Remedy—34-Pt. can $1.00.
- Foot Heal—6-oz. bottle $1.00.

InternMange Remedy

Interno is an internal remedy for mange and other skin diseases.

- Dog Mange Remedy—Box $2.00, postpaid.
- Puppy Mange Remedy—Box $2.00, postpaid.

Bradley’s Submarine Worm Expeller

- Gets the last worm. There can be no failure if directions are followed. Per box $1.00; by parcel post $1.10.

Delcreo Dog Remedies

- Delere—For Distemper and Black Tongue.
- Cod Liver Oil—4-oz. bottle $1.50; by parcel post $1.65.
- Delere Laxative—50c.
- Delere—Sulphur Ointment—1 oz. 50c.
- Delere—Sulphur Compound—4-oz. bottle $1.00.
- Delere—Laxative—50c.
- Delere—Sulphur Compound—4-oz. bottle $1.00.
- Delere—Sulphur Ointment—1 oz. 50c.

Benbow’s Dog Mixture

- A wonderful tonic for an ailing dog. Each Postpaid
  - 40 capsules, 1/4 teaspoonful. $0.60 $0.75
  - 24 capsules, 1/2 teaspoonful. $0.60 $0.75
  - 15 capsules, 1 teaspoonful. $0.60 $0.75
  - 4-ounce bottle. 2.50 2.65
  - 26-ounce bottle. 4.00 4.25

Clayton’s Dog Remedies

- Blood Purifying Pills
  - Canker Lotion
  - Creolin Dog Wash
  - Diarrhea Liquid
  - Eye Lotion
  - Laxative
  - Puppy Tonic
  - Sulphur Tablets
  - Vermifuge Tablets

- Each Postpaid
  - 40 capsules, 1/4 teaspoonful. $0.60 $0.75
  - 24 capsules, 1/2 teaspoonful. $0.60 $0.75
  - 15 capsules, 1 teaspoonful. $0.60 $0.75
  - 4-ounce bottle. 2.50 2.65
  - 26-ounce bottle. 4.00 4.25

Miscellaneous Dog Remedies

- Postpaid
  - Lis-A-Fit—For all sorts of fits. $1.00
  - St. nites—Pynal Disinfectant. pkg. 5c.
  - Sanitas—Pynal Disinfectant. Q. 1.00
  - Sanitas Animal Soap—Cake. 25c.
  - Silver—Black Tongue remedy, box. 2.00
  - Spratt’s Distemper Tablets, Puppy. 1.00
  - Spratt’s Laxative—50c.
  - Spratt’s Dog Worm Capsules. 60c.
  - Spratt’s Puppy Worm Capsules. 60c.
  - Spratt’s White Dog Soap. 25c.
  - Vitamin Tonic. 50c.
  - Vitadine. 50c.
  - Mercy Mange Remedy. 1.00

Russell-Heckle’s Dog Collars, Etc.

Black Leather Dog Collars

- No. 407—Width 1/2 inch, length 10, 11, 12, 13 inches. Each 80c; parcel post 90c.
- No. 408—Width 3/4 inch, length 12, 13, 14, 15 inches. Each 76c; parcel post 86c.
- No. 409—Width 1 inch, length 16, 17, 18, 19 inches. Each $1.00; parcel post $1.10.

Plain Tan Leather Collars

- No. 403—Width 5/8 inch, length 14, 16, 18 inches. Each 80c; parcel post 90c.
- No. 405—Width 1 inch, length 18, 20, 22 inches. Each $1.00; parcel post $1.10.

Fancy Flat Leather Collars

- No. 414—Width 1/2 inch, length 10, 11, 12, 13 inches. Each $1.32; parcel post $1.42.
- No. 415—Width 3/4 inch, length 12, 13, 14, 15 inches. Each $1.64; parcel post $1.74.
- No. 416—Width 1 inch, length 15, 16, 17, 18 inches. Each $1.96; parcel post $2.06.

Round Leather Collars

- No. 435—1/2-inch buckle, Toys and Terriers, length 13, 14, 15, 16 inches. Each $1.48; parcel post $1.58.
- No. 437—1-inch buckle, Chows, Collies, etc., length 17, 18, 19, 20 inches. Each $2.28; parcel post $2.40.

Fancy Round Leather Collars

- No. 445—3/8-inch buckle, length 11, 12, 13 inches. Each 96c; parcel post 1.06.

No. 106 Dog Brush

- No. 106 Brush—Steel wire and black fibre, mixed leather strap, wood back length 4 1/2 inches. Each $1.00; parcel post $1.10.

Fancy Toy Dog Collar

- No. 425—3 1/8-inch buckle, length 9, 10, 11, 12 inches. Each 68c; parcel post 78c.

Dog Leads

- No. 204—Same style, for large dogs. Each $2.00; parcel post $2.10.
- No. 200—White cord lead, closely braided, for small breeds, 4 feet long. Each 40c; parcel post 50c.
- No. 206—3/4-inch wide, flat tan leather lead, nickel snap, length 3 3/4 feet. Each 56c; parcel post 66c.

Nickel-Plated Lead Chains

- No. 3—Medium, 4 feet long. Each $1.25; parcel post $1.40.

Nickel-Plated Bench Chains

- No. 18—Medium, 3 1/2 feet long. Each $1.75; parcel post $1.90.

Chain Choke Collars

- No. 22A—20 inches long. Each $1.00; parcel post $1.10.
- No. 25B—24 inches long. Each $1.00; parcel post $1.10.
- No. 25C—26 inches long. Each $1.00; parcel post $1.10.

No. 185 Feeding Pan

- Genuine Wear—Ever polished aluminum pan. Diameter, 6 1/2 inches. Capacity, one quart. Each 80c; parcel post 70c.

Pedigree and Registration Blanks

- For American Kennel Club Listing.
  - 10 blanks. .15c
  - 25 blanks. .35c
Once a Buyer of Sterling Chix Always a Booster

We are pleased to announce we have made arrangements to handle the Sterling Hatchery Chicks. After a careful examination, we can recommend them in every way for the reason their breeding stock is right. All chicks come from their own flocks; their method of hatching is correct, so you will get good, strong chicks that will live if properly handled after you get them.

Orders are filled in rotation. We will not keep you waiting any longer than necessary; during the busy hatching season someone has got to wait, so if possible book your order in advance.

Delivered to your door by parcel post, with a guarantee of 98 per cent live delivery. All claims for loss must be accompanied by signature of your postmaster.

Poultry Raising

Where electricity is available, the electric incubator and the electric brooder offer certain decided advantages over all other types.

The first important advantage is the fact that you have no lamps to fill, no wicks to trim, no fires to tend and no ashes to carry out.

It is only necessary to plug the attachment cord into the nearest lamp socket and adjust the thermostat. Clean, even heat.

The Oakes Electric Brooder operates on 32, 110, or 220 volt direct or alternating current. Be sure to specify when ordering.

**Oakes Automatic Electric Brooder**

The Oakes New Improved Electric Brooder is by far the most modern and economical brooder for raising flocks from 100 to 650 chicks. The Oakes Electric Brooder can be installed and placed in operation fifteen minutes after arrival. It is only necessary to plug the attachment cord into the nearest lamp socket and adjust the thermostat to give desired temperature.

Positive heat control with the Oakes automatic thermostat. Clean, even heat.

Brooder operates on 32, 110, or 220 volt direct or alternating current. Be sure to specify voltage and current when ordering.

**Cat. No.** | **Size** | **Chick Capacity** | **Each.**
--- | --- | --- | ---
G-90 | 22-in. | 100 | $10.50
G-91 | 32-in. | 250 | 16.00
G-92 | 42-in. | 425 | 20.00
G-920 | 53-in. | 650 | 24.00

**Oakes Round Electric Brooder**

Will care for 50 to 100 chicks.

All are equipped with “Oakes” patented enclosed electric heating element. No chance for short circuit, absolutely no fire hazard. Circular heater distributes heat evenly under the canopy. Canopy made of galvanized steel, lined with asbestos, equipped with metal legs, and canvas or flannel curtain. No automatic control. All 110 volt only. Price No. S81 $6.00 each; by parcel post $6.45.

**Lectro-Hatch Electric Brooder and Incubator Elements**

Made to fit any make of Incubator or Brooder. Easy to install and run.

- **Price 150-egg size, or less.** $5.50
- **Price 150 to 400-egg size.** $11.50
- **Price, 150 Chick brooder heating element.** $4.50

Lectro-Hatch Incubators and Brooders have made poultry raising safe, easy and certain. Even heat and fresh, pure air give the chick every advantage for life, growth and development that Nature intended.

Electricity is the ideal heat, without the care, fumes, dirt. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it.

**Sterling Hatchery Chicks** are No. 1 XX grade; the best chicks you can buy no matter what you pay for them. All Sterling Hatchery Chicks are blood tested and certified.

Purchasing "day-old chicks" is now the surest and cheapest way to get young stock, but buy the right kind that are hatched from good strong flocks, and hatched under proper conditions.

“A chick is a chick, while an egg is a chance.”

Prices cash in advance.

<table>
<thead>
<tr>
<th>25</th>
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<tr>
<td>White Leghorns</td>
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<td>Barred Plymouth Rocks</td>
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<td>Rhode Island Reds</td>
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<td>Mixed Heavy Breeds</td>
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<tr>
<td>Mottled Anconas</td>
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</table>

No less than 25 chicks sold or shipped.

Ask for prices on larger quantities.

POULTRY RAISING WITH ELECTRICITY

The second important advantage lies in the elimination of fire hazards. This is of particular importance where the poultry raiser does not have good fire department service; and, even if he does, a fire may destroy his incubator or brooder house before help arrives.

**Oakes Home Made Electric Brooder Outfit**

Make your own brooder at a small cost; a wooden tub, half barrel or box will answer for the top. The Oakes Electric Brooder outfit consists of heater, legs and 8-foot drop cord with detachable plug for light plug. Each $3.25; by parcel post, $3.70.

**Lectro-Hatch Electric Incubator**

Lectro-hatch Incubators and Brooders have made poultry raising safe, easy and certain. Even heat and fresh, pure air give the chick every advantage for life, growth and development that Nature intended.

Electricity is the ideal heat, without the care, fumes, dirt. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it.

Descriptive circular on application.

When ordering Lectro-hatch Incubators or Brooders, state voltage of your electric current.

<table>
<thead>
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<th>65-egg size</th>
<th>$23.00</th>
<th>300-egg size</th>
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<td>600-egg size</td>
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TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies

71
A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air.

At night they hover instinctively under the brooder—just as they would under the mother hen—and trust to the brooder to bring them safely through the night. If the hover is a good one they will come out healthy and happy in the morning, and the result will be healthy, robust broods.

Jamesway Fresh Air Coal Burning Brooder

In the Jamesway Brooder the lifeless and foul air is carried off through the stack. This causes fresh air to be drawn in and it is gently spread out under the hover. Jamesway Brooder chicks grow faster and stronger because they are not made to breathe over and over, foul, flat, lifeless air.

Where baby chicks are brooded by the hen there is always present warm, moist air. The Jamesway Brooder is the only one made with the moisture pan. Doesn't dry out under the hover; provides nature's way of brooding chicks. The Jamesway is the only brooder that imitates nature by adding moisture to the warm air under the hover.

Revolving Hover

The full revolving canopy can be appreciated; no troublesome raising of hover with ropes or chains. Any part of the stove can be reached through the wide door in front. The upper door is for coaling.

The new design National Coal Burning Brooder is equipped with lower auxiliary draft in-take, controlled automatically by the thermostat. This insures ample draft for a quick fire, but prevents overheating, as draft closes automatically when the desired temperature is attained. Made in three sizes:

- No. A—350 Chick size, 42-inch canopy, 4-inch pipe collar.
- Price with canopy: $15.75

- No. C—500 Chick size, 52-inch canopy, 5-inch pipe collar.
- Price with canopy: $21.00

- No. D—1,000 Chick size, 56-inch canopy, 5-inch pipe collar.
- Price with canopy: $26.00

We do not furnish smoke pipe. This is extra, see prices below. Ask for descriptive circulars.

Roof Saddles for Brooder Pipe

Made of galvanized iron and adjustable to any required angle from an almost flat roof to one-half pitch. Size of flat roof flange 14-inch by 18-inch, and made in two sizes, for 4-inch and 5-inch brooder pipes.

- Moe's No. 440—4-inch Roof Saddle, without cap. Price: $1.50
- Moe's No. 441—5-inch Roof Saddle, without cap. Price: $1.65

Smoke Pipe Top Cap

Chimney Cap for Moe's No. 440 Roof Saddle or other Brooder Stove Pipes. Keeps out rain and snow and improves the draft. Easy to install, no tools or bolts required. Made in two sizes:

- No. 444—Chimney Cap for 4-inch pipe, each. Price: $0.55
- No. 445—Chimney Cap for 5-inch pipe, each. Price: $0.65

Pipe Collars

No. 117—Pipe Collars. Sizes 6x3, 6x4, 6x5. All same price, each: $0.15

Smoke Pipe for Brooders

No. 114—Black Smoke Pipe, 2-foot lengths.
- 3-inch, each: $0.20
- 4-inch, each: $0.25
- 5-inch, each: $0.30

Coal for Brooder Stoves

Anthracite or hard coal, proper size for brooders, 200 lbs., $2.25. Charquettes, made from hard coal, no smoke or fumes, burn slow and make a hot lasting fire. 100-lb. sack, $1.50.

Magic Coal Brooder Stove

The only Coal Burning Brooder on the market that has the patented Gas Chamber.

Positively dependable and gas proof. The check draft on the top of the stove and the ventilator at bottom of stove is automatically controlled by the double wafer thermostat. The Magic Stove cannot overheat nor can the fire go out for the reason the ventilator at the bottom is open when the upper damper is closed and when the damper is open the ventilator is closed, thus avoiding overheating. Made in two sizes. Ask for Magic Brooder catalog.

Large Brooder, 52-inch canopy: $25.00
Giant Brooder, 59-inch canopy: $30.00

Corrugated Elbows

No. 115—Black Corrugated Elbows.
- 3-inch, each: $0.25
- 4-inch, each: $0.30
- 5-inch, each: $0.35

Draft Equalizer for Brooder Stoves

Prevents the wind from blowing smoke back down the chimney and choking the fire. A necessity for every brooder stove.

No. H-144 for 4-inch pipe $1.25; by parcel post $1.50.
No. H-145 for 5-inch pipe $1.25; by parcel post $1.50.
National "Blue Flame" Oil Brooder

The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir.

Made in Three Sizes

No. 60—34-inch canopy, 200-chick capacity ........................... $16.75
No. 61—42-inch canopy, 350-chick capacity ........................... 17.50
No. 62—52-inch canopy, 500-chick capacity ........................... 21.00

Ask for complete descriptive circular.

Moe's Blue Flame Oil Brooder

A simple and reliable oil burning Brooder, sturdy in construction and easy to operate. Burns kerosene.

Has a new and improved wickless blue flame burner, with perfect combustion, free from fumes or gases.

It is the same as our Automatic Oil Brooder, except that it does not have the automatic thermostatic control, and the canopy is not insulated.

Has a patented Hand Control, with only one moving part, and by means of which the heat is regulated.

Prices F. O. B. Memphis

No. 232—32-inch Canopy, 300 Chick Capacity ....................... $9.00
No. 233—42-inch Canopy, 500 Chick Capacity ....................... 10.00
No. 234—52-inch Canopy, 1000 Chick Capacity ....................... 11.00

Liv-an-Grow Primary Brooder

A primary brooder, simple, inexpensive, keeps chicks at proper temperature. Any ordinary lamp supplies the heat. The wire screen floor eliminates disease. Try one, you will find it quite satisfactory. Cars for 25 to 50 chicks. Made of corrugated board, reinforced with galvanized iron. Charcoal or oil lamp or electric bulb supplies the heat. Each without lamp, $2.00; postpaid, $2.40.

Leonard Oil Burning Brooder

A strictly high-grade Oil Burning Brooder, made of heavy material, gives constant service and the best satisfaction. The burner, while easy to operate, is of the positive, non-falling type, and will stay where placed until changed by the operator. Complete with Canopy.

No. 134—350 chick size .................................................. $8.95
No. 143—500 chick size .................................................. 9.95
No. 152—1000 chick size ............................................... 10.95

Special Sale of Incubators and Brooders

Prices reduced. Here is your opportunity to get a real bargain. They are all new machines, never been uncrated. Prices F. O. B. Memphis, subject to machines being unsold. Send for complete catalogues of these machines.

60-70 Egg Baby Old Trusty, Hot Water Incubator, list price $14.75
Special Sale .......................................................... $9.75

100-120 Egg Old Trusty, Hot Water Incubator, list price $16.75
Special Sale .......................................................... $12.50

190-224 Egg Special Redwood Case Old Trusty Hot Water Incubator, list price $29.75. Special Sale .......... $20.00

400-480 Egg Little Giant Old Trusty Hot Water Incubator, Redwood Case, list price $56.00. Special Sale .......... $35.00

1000-Chick Old Trusty Solid Comfort Oil Burning Brooder, list price $19.00. Special Sale ............... $11.00

60A—65 Egg Delaware Automatic Hot Water Incubator, single wall style, list $16.50. Special Sale ............... $10.75
No. 1—125 Egg Standard Automatic Hot Water Incubator, list price $39.50. Special Sale ............... $19.00

No. 2—175 Egg Standard Automatic Hot Water Incubator, list price $44.50. Special Sale Price ............... $28.00

Miller's Electric Hover, 50-75 Chick Capacity, 25-in. Hover .................. $3.25
Cycle Hatcher-Brooder combined, 50-eggs ................................ $6.50
Cycle Hatcher-Brooder combined, 100-chicks ................................ $9.00

No orders accepted at these prices after our present stock is sold.

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies 73
Glass Cloth

Glass Cloth is excellent for Poultry Houses, Brooder Houses, Hotbeds, Cold Frames, Windows, Doors, etc.; easy to put on, and is a perfect substitute for glass, except for roofing.

BUILD A SCRATCH SHED ONTO YOUR POULTRY HOUSE

June weather all spring for your baby chicks. A Glass Cloth Scratch Shed built right onto your poultry house, makes the most of every hour of sunlight—gives chicks exercise, warmth and violet rays they need to build healthy, robust bodies. Chicks you save pay for Glass Cloth many times over.

Glass Cloth comes in rolls 3 feet wide and 100 yards long.

Prices
- One piece 5 yards long and 1 yard wide, $1.50; by parcel post $1.70.
- One piece, 10 yards long and 1 yard wide, $2.50; by parcel post $2.90.
- One piece 15 yards long and 1 yard wide, $3.30; by parcel post $3.75.
- One roll 50 yards long and 1 yard wide, $11.00, f. o. b. Memphis.
- One roll of 100 yards long and 1 yard wide, $22.00, f. o. b. Memphis.

Cel-O-Glass

This material answers for glass. It is very light in weight, and weather-proof. Lets in practically as much light as clear glass and spreads it evenly. Made of Galvanized Wire Cloth with spaces between strands filled with a clear, transparent substance, very flexible, will not rub off or become brittle. Fine for Poultry and Brooder Houses, Scratch Pens, Hotbed Frames, Greenhouses, Skylights, Windows, Store Doors, Steering Porches and Dwellings.

Sheets 36 inches wide and any length up to 100 feet long. Per roll, 100 feet long, 36 inches wide, 40 lbs., $42.50.

Less than roll, 45c per running foot, f. o. b. Memphis.

Cel-O-Glass is not intended for roofing and should not be used as such. Must be used in a vertical position or at a sharp angle for longest service.

Hudson No. 6 Oat Sprouter

Has six round-shaped heavy galvanized iron pans. The frame is strong and well made. Will last many years. No heat or lamp is needed. Place sprouter near a furnace, soak oats 10 to 12 hours, place in pans 1 inch deep; sprinkle and stir every 24 hours.

Price: Hudson No. 6 Oat Sprouter $2.25, f. o. b. Memphis.

Moe's No. 10 Brooder Heater

An excellent heater for a small Brooder. Place in a box and the chicks will keep warm and comfortable. Each $1.90; by parcel post $2.15.

Non-Parking Brood Coop

Here is the most practical coop, without a park, made. It has a new style sliding top through which it is very easy to tend the hen, gather the eggs, or clean the coop. It is equipped with an Overhead Damper Ventilation System, which provides fresh air at all times.

The measurements are 19 inches high, 17 inches long, and 20 1/2 inches wide. Shipped knocked down, and can be set up in two or three minutes.

No. 40—Packed 1 to carton, each $1.95.
No. 40—In lots of 6, each $1.80.

Galvanized Poultry Netting

We do not break or cut rolls. 1-inch mesh prices as follows:
- Per Roll of 150 ft.
  - 12 inches high. $2.75
  - 18 inches high. $3.75
  - 24 inches high. $4.35

2-inch mesh prices as follows:
- 24 inches high. $2.15
- 30 inches high. $2.75
- 36 inches high. $3.85
- 48 inches high. $3.85
- 60 inches high. $5.00
Incubator and Brooder Thermometers

No. 5776
Yicos Incubation-Zone Thermometer

When used with Stand

When used without Stand

We handle the celebrated Yicos Thermometer. They can be used in any make of incubator.

No. 5776—With non-tipping stand, white scale. Each $0.65
No. 5784—Retested and certified on non-tipping stand, black scale. 1.25
No. 5904—Old Trusty... 0.75
No. 7010—Cycle Hatcher... 0.75
No. 5786—Yicos Hygrometer... 1.50
No. 5792—Brooder, 6-in., round... 0.75
No. 5784—Brooder, 5-in., flat... 0.50
No. 5776—Dairy... 0.45
No. 400—Brooder Thermometer, length 10 inches, round. 1.00

By parcel post, add 10c each for postage.

The Patterson and Young Incubator and Brooder Moisture Guide

A scientific and practical evaporation measure which tells accurately when to add moisture or give more ventilation in the incubator. It is easy to read as a thermometer, there being a graduated scale on one side of the glass tube showing where the water line should be for each day of incubation.

Directions come with every Moisture Guide. Each $1.00; 6 for $5.00; postpaid.

Philadelphia Caponizing Set

Complete set of directions accompanies each set. Pays for itself in a short while. Per set $2.75, postpaid.

Moe’s Pigeon Nests

Dumbel and light; galvanized iron; also are best for sanitary purposes.

Each 20c; 6 for 90c; by parcel post, 5c each extra.

Stoneware Pigeon Nest

Made so the birds cannot tip over. A good, safe nest. Each 25c; by parcel post 40c.

Incubator and Brooder Lamp Chimneys

For Incubators and Brooders. Strong metal. No. 1 Chimneys, each 25c; by parcel post 35c. No. 2 Chimneys, each 30c; by parcel post 40c. No. 3 Chimneys, each 35c; by parcel post 45c.

Incubator and Brooder Lamp Wicks

Made of copper wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks.

No. 1 Wicks—Each 10c; by parcel post 15c. No. 2 Wicks—Each 15c; by parcel post 20c. No. 3 Wicks—Each 20c; by parcel post 25c.

Incubator and Brooder Thermometers

No. 5776—With non-tipping stand, white scale. Each $0.65
No. 5784—Retested and certified on non-tipping stand, black scale. 1.25
No. 5904—Old Trusty... 0.75
No. 7010—Cycle Hatcher... 0.75
No. 5786—Yicos Hygrometer... 1.50
No. 5792—Brooder, 6-in., round... 0.75
No. 5784—Brooder, 5-in., flat... 0.50
No. 5776—Dairy... 0.45
No. 400—Brooder Thermometer, length 10 inches, round. 1.00

By parcel post, add 10c each for postage.

Automatic Chick Greaser

Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Each, complete, $1.20; by parcel post $1.40.

Incubator Lamp Bowls

No. 1 Bowls. $0.50 $0.60
No. 2 Bowls. $0.75
No. 3 Bowls. $0.90

Each Postpaid

No. 2 Burner—Each 40c; by parcel post 50c. No. 3 Burner—Each 60c; by parcel post 75c. No. 2 Chimneyless Burner—Each 75c; by parcel post 85c. No. 2 O. K. Burner—Each 40c; by parcel post 50c. No. 2 Chimneyless Burner—Each 75c; by parcel post 85c. No. 3 Burner—Each 65c; by parcel post 75c.

Automatic Chick Greaser

Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, especially designed for transporting valuable eggs for hatching.

Incubator and Brooder Lamp Wicks

Made of copper wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks.

No. 3—15-egg size. Each 25c; by parcel post, each 30c; doz. $2.70.
No. 4—30-egg size, each 35c; by parcel post, each 45c; doz. $3.45.
No. 5—50-egg size. Each 45c. 6 for $2.00; by parcel post, each 55c; 6 for $2.50.
Moe’s Regal, No. 14—15-egg size. Each 25c; by parcel post, each 30c.
Moe’s Regal, No. 15—30-egg size. Each 35c; by parcel post 45c.

Style—30-egg size. Each 25c; doz. $2.25; by parcel post each 35c; doz. $2.50.

Cardboard Egg Cartons

These are intended for delivering eggs to consumers, hold one dozen each; has two rows, six eggs each.

Dos. 20c. 10 $1.00
50 $2.00
100 $1.20; by parcel post, doz. 30c; 100 $1.80

Nest Eggs

These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated—Dox. 60c; by parcel post 75c.
Egg—Dox. 35c; by parcel post 45c.
China Egg—Dox. 45c; by parcel post 55c.

Aluminized Metal Egg Crates

Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments.

Size

Weight

Empty

Each

Postpaid

1/4 doz. 2 lbs. $1.25 $1.32
2 doz. 3 lbs. 1.50 1.57
3 doz. 4 lbs. 1.75 1.82
4 doz. 5 lbs. 2.00 2.09
6 doz. 8 lbs. 2.50 2.60
12 doz. 10 lbs. 4.00 4.15

Baby Chick Shipping Boxes

Made from corrugated paper with strong bottom and ventilated top. Strong, yet light in weight.

25-chick size—Dox. $1.50; mailed $1.75.
50-chick size—Dox. $3.25; mailed $3.60.
100-chick size—Dox. $6.00; mailed $6.40.

Chick Box Staples—40c per 100; postpaid 50c per 100.

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies
**LEG BANDS**

Perfection Celluloid Key Ring Leg Bands

These slip on like a key ring; cannot drop off; easily removed. Made of the various colors—white, pink, yellow, green, dark blue, light blue and red. Made in all sizes. When ordering, state for what breed and color you want them.

Postpaid.

No. 1—Brahmas, etc. $0.20 $0.50 $0.75
No. 2—Barred Rocks, R. I. $0.30 $0.60 $0.85
No. 3—Leghorns and Anconas $0.50 $1.00 $1.25
No. 4—Bantams $0.75 $1.50 $2.00
No. 5—Pigeon size $1.00 $2.00 $2.50
No. 6—Baby Chick size $1.50 $3.00 $3.75

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**Bandettes**

The latest spring clip pattern. Made entirely of celluloid. Bandettes are strongly made, the numbers are indestructible, being impressed in bold type. They are bevel-ended. Bandettes are easy to put on, being applied like the Spiralet Bands. Bandettes come in the following colors: red, blue, green. Two sizes; Mediterranean (Leghorn) and American (Rocks). 12 for 35c; 25 for 65c; 50 for 1.25; 100 for $1.60; postpaid.

**Coloroid Coil Baby Chick Bands**

This is a neat, attractive and very visible band, easy to apply; can be applied the day chicks are hatched, and later; can be used several times.

We make this band in colors as follows: orange, black, white, dark green, red. Not numbered. 25 for 35c; 50 for 40c; 100 for 75c.

Stoneware Rabbit Waterer

Made especially for the purpose; animal cannot tip them over as they are extra heavy. Each 35c; 5 for $1.50. By mail, each 50c.

Stoneware Rabbit Feeder

Has flanged top, thus prevents waste of feed; cannot be turned over while in use. Each 35c; 5 for $1.50. By mail, each 50c.

Moe’s Handled Scraper

For cleaning dropping boards, etc. Made of hard, stiff sheet steel. Length of blade 9½ inches; width 4 inches, with 30-inch hardwood handle. Securely riveted to the blade. Each 50c; by mail 75c.

Victor Colored Leg Bands

Have large printed numbers. Supplied in four colors: red, blue, green and yellow, with numbers from 1 to 200. Adjustable. Supplied in four colors—blue, green, red and white. Packed in envelopes, numbered 1 to 12. 10 to 25, 25 to 50, 51 to 75, and 76 to 100. Will fit Barred Rocks, Rhode Island Reds, Anconas and Leghorns. Our selection of color, doz. 25c; 50 55c; 100 $1.50; postpaid.

Reliable Colored Leg Band

Made of a special grade of aluminum with colors plain, and has large numbers. Colors—blue, green, red, white, black, gray, blue and orange; numbered in pairs from 1 to 50. Packed in envelopes containing 6 pairs each. 6 pairs, 12 bands 25c; 12 pairs 45c; 24 pairs 85c; postpaid.

Elite Colored Pigeon Bands

These are adjustable to fit any size fowl, very adjustable. Supplied with numbers printed on. Made of aluminum with colors—red, green and yellow, with numbers from 1 to 200. Adjustable. Supplied in four colors—blue, green, red and white. Packed in envelopes, numbered 1 to 12. 13 to 25, 26 to 50, 51 to 75, and 76 to 100. Will fit Barred Rocks, Rhode Island Reds, Anconas and Leghorns. Our selection of color, doz. 25c; 50 55c; 100 $1.50; postpaid.

**Reparis for Oil and Coal Burning Brooders**

**Moe’s Blue-Flame Hover Repairs**

**Champion Leg Band**

LARGE RAISED FIGURES

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Doz. 15c; 25 25c; 100 75c; postpaid.

Sterling Baby Chicks

They are from carefully selected and mated flocks. You won’t get chicks from pullet eggs and you will see the difference when you open the box. The latest spring clip bands. Each $1.25. By mail $1.50.

**Bronco Spray Pump**

This pump is especially adapted for spraying poultry houses, etc. Capacity, 3½ gallons. Has the automatic shut-off nozzle, and equipped with a 12-inch brass angle extension rod. Bronco is a good, serviceable compressed air spray pump and sold at a reasonable price, only $4.00. by parcel post $4.40.

**Eyre Shipping Coops**

Nw admit Conkey’s Buttermilk Chick Starting Mash with Yeast and Cod Liver Oil. “Y. O.” is in the business on the market. Remember Conkey’s is the original and first Buttermilk Starting Mash for Baby Chicks. 1 lb. 25¢; by mail 40¢; 5 lbs. 40¢; by mail 55¢; 10 lbs. 75¢; by mail 90c.

**Jamesway Droppings-Board Scraper**

The blade is 18 inches long and has a keen scraping edge, constructed to hug droppings board and remove all dirt. Can be pulled toward you or shoved away from the operator. A most useful tool in the hen house.


**The No-Set Poultry Guard**

Will not injure the hen in any way and effectually prevents her from setting.

No. 290—No-Set Guard. Each 10c; by parcel post 20c.

**Poultry Raisers**

Now admit Conkey’s Buttermilk Chick Starting Mash with Yeast and Cod Liver Oil. “Y. O.” is in the business on the market. Remember Conkey’s is the original and first Buttermilk Starting Mash for Baby Chicks. 1 lb. 25¢; by mail 40¢; 5 lbs. 40¢; by mail 55¢; 10 lbs. 75¢; by mail 90c.

EYRE'S BUTTERMILK MASH

THE NO-SET POULTRY GUARD

Moe’s Handled Scraper

For cleaning dropping boards, etc. Made of hard, stiff sheet steel. Length of blade 9½ inches; width 4 inches, with 30-inch hardwood handle. Securely riveted to the blade. Each 50c; by mail 75c.

WRITE FOR SPECIAL CIRCULAR

on Jamesway Poultry Equipment, which describes more fully all supplies, including the Jamesway Brooder.
Jamesway Poultry House Equipment

We have added the Jamesway poultry equipment to our lines because we wish our customers to have the best. Remember, Jamesway Poultry Equipment is in a class by itself. Look up Jamesway users near you and ask them.

Jamesway Cleanable Fountain
Made of heavy galvanized sheet steel. Copper float and brass valve keeps fresh water at the proper level in the drinking pan; can't overflow. Lamp in base keeps water at proper temperature.

No. 513—Jamesway Waterer, without stand and without lamp, capacity 8 gallons. Each $5.90.
No. 512—Jamesway Waterer, with lamp, no stand, for keeping water warm. Each $7.90.
No. 545A—Stand for Jamesway Waterer, keeps hens from scratching dirt, etc., into pan. Each $1.60.

Jamesway Self Feeder
The Patented Jamesway Self-Feeder is really five big capacity feeders in one. The big middle compartment holds a week's supply of egg-laying mash. The small bins at each end hold enough grit, shell, charcoal and beef scraps to last several weeks.

No. 527—Holds 50 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 15 lbs. grit, 15 lbs. oyster shell. Self-feeds 75 to 100 hens for one week with one filling. Each $11.80.
No. 528—Holds 100 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 15 lbs. grit, 15 lbs. oyster shell. Self-feeds 160 to 200 hens one week with one filling. Each $17.45.

Jamesway Wet Mash Feed Trough
Built to feed either wet mash, green feed or dry mash. The galvanized pan is 10 inches wide and 4 inches deep. The trough is 60 inches long and 20 inches wide over perches. It stands 25 inches high on sturdy, metal legs.
No. 532—Jamesway Wet Mash Trough, with legs, each $5.75.

Jamesway Sure Feed Chick Feeder
For small flocks; holds 4 quarts of dry mash and will feed 25 to 30 chicks one week with one filling.

The feed trough is adjustable in height. This can be used as the chicks grow with the assurance that the mash will always work down into the feed trough.
No. 535—Sure Feed Chick Feeder. Each $1.25.

Jamesway All-Metal Nests
Jamesway metal nests are self-cleaning, made of galvanized rust-resisting steel sheets.
10-nest Unit, 2 tiers five feet long $11.50.
15-Nest Unit, 3 tiers five feet long $16.00.

Jamesway Quart Waterer
Exactly same as the above except has a galvanized pan and top; use as waterer or feeder. Top is removable, not necessary to unscrew jar for filling. Order several at this low price.
Price: Each 15c; 4 for 60c.

Jamesway Quart Size Sour Milk Feeder
Here is a sour milk feeder for small broods. Has an aluminum pan with galvanized top. Measures 7 1/2 inches across with 9 feeding holes.
Top removable. Holds one pint. Sour milk or medicines may be given in this feeder without danger. Price, each 30c; postpaid 40c.

Jamesway Wet Mash Feed Trough
Where feed is contaminated with droppings diseases quickly spread and chicks do not grow evenly. This clean feed trough keeps chicks out of the feed. Spacing between wire guards can be adjusted from seven-eighths to one and three-quarters inches. This trough is useful not only for feeding young chicks but older ones as well. Two troughs provide feeding space for a brood of 250 to 350 chicks. Made of galvanized heavy sheet steel, 44 inches long, 6 1/2 inches wide.
No. 600—Chick Feed Trough. Each ... $1.95.

Jamesway Mite Proof Roost Bracket
Prevents mites from reaching the roost. Price: No. 549 brackets, per pair $1.60.

Jamesway Pressure Waterer
Built with copper float and brass valve to keep water at proper level. Sits on sturdy, metal legs. Capacity enough for 150 to 200 hens.
Price: No. 536 Pressure Waterer $6.90.

Jamesway Sour Milk Feeder
Built with copper float and brass valve to keep water at proper level. Sits on sturdy, metal legs. Capacity enough for 150 to 200 hens.
Price: No. 590, each $1.25; by parcel post $1.60.

Jamesway Bungalow Chick Feeder
The feeder is 36 inches long and 16 inches high. It holds 50 pounds of dry chick mash, enough to self-feed about 200 chicks for one week without refilling. Room along the sides permits 40 to 50 chicks to feed at one time.
No. 507—Jamesway Bungalow Chick Feeder. Each $7.50.

Jamesway Sour Milk Feeder
Holds 150 pounds of dry chick mash, enough to self-feed about 200 chicks for one week without refilling. Room along the sides permits 40 to 50 chicks to feed at one time.

Jamesway Wet Mash Feed Trough
Built to feed either wet mash, green feed or dry mash. The galvanized pan is 10 inches wide and 4 inches deep. The trough is 60 inches long and 20 inches wide over perches. It stands 25 inches high on sturdy, metal legs.
No. 532—Jamesway Wet Mash Trough, with legs, each $5.75.

Jamesway Sure Feed Chick Feeder
For small flocks; holds 4 quarts of dry mash and will feed 25 to 30 chicks one week with one filling.

The feed trough is adjustable in height. This can be used as the chicks grow with the assurance that the mash will always work down into the feed trough.
No. 535—Sure Feed Chick Feeder. Each $1.25.

Jamesway All-Metal Nests
Jamesway metal nests are self-cleaning, made of galvanized rust-resisting steel sheets.
10-nest Unit, 2 tiers five feet long $11.50.
15-Nest Unit, 3 tiers five feet long $16.00.

Jamesway Chick Feed Trough
Jamesway metal nests are self-cleaning, made of galvanized rust-resisting steel sheets.
10-nest Unit, 2 tiers five feet long $11.50.
15-Nest Unit, 3 tiers five feet long $16.00.

Jamesway Chick Feed Trough
Where feed is contaminated with droppings diseases quickly spread and chicks do not grow evenly. This clean feed trough keeps chicks out of the feed. Spacing between wire guards can be adjusted from seven-eighths to one and three-quarters inches. This trough is useful not only for feeding young chicks but older ones as well. Two troughs provide feeding space for a brood of 250 to 350 chicks. Made of galvanized heavy sheet steel, 44 inches long, 6 1/2 inches wide.
No. 600—Chick Feed Trough. Each ... $1.95.

Jamesway Mite Proof Roost Bracket
Prevents mites from reaching the roost. Price: No. 549 brackets, per pair $1.60.
R.-H. CO.’S POULTRY DRY MASH HOPPERS

The “Cymaco” Dry Mash Feeder

Made entirely of steel and very substantially built. Its special construction gives it the advantage of extra large capacity. The “Cymaco” has twice the feeding room afforded by the ordinary feeders, and thus accommodates twice as many fowls at one time. The “Cymaco” is also equipped with agitators operated automatically by the fowls feeding, which absolutely prevents clogging.

No. 12—Holds ½ bushel, $1.80; by parcel post within second zone, $2.20.
No. 24—Holds 1 bushel. Price $3.00; not mailable.

Oakes’ Can’t-Clog Feeder

Adjustable to growing chicks and mature fowls. Hinged lid, easy to fill, large capacity.

H-28—19 quarts. Each $2.25
H-39—32 quarts. Each 3.00
H-50—42 quarts. Each 4.25
By express only.

Moe’s Never-Clog Mash Hopper

Does not clog, no matter how coarse the mash.

No. 35—10-qt. capacity, $1.50; by parcel post $1.80.
No. 36—14-qt. capacity $1.75; by parcel post $2.10.
No. 13—22-qt. capacity $2.25; by parcel post $2.65.
No. 37—32-qt. capacity $2.60; by express only.

Moe’s Big Boy Feeder

Especially made for growing stock, chicks 4 to 6 weeks old and up to full-grown fowls. Has round edges so that large birds cannot injure their combs. The feeder holes are exactly the right size and shape to prevent waste.

No. 160—Moe’s Big Boy Feeder, height 33 inches, capacity about 75 lbs. Price, with sliding cover, $3.50.

Moe’s Round Mash Hopper

Capacity of 8 quarts. Has wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales prevent the chickens from getting in the hopper. Each 50c; by parcel post 70c.

Moe’s Peerless Growing Chick Feeders

For chicks and growing fowls. Large capacity. The hopper is adjustable up or down for different kinds of mash and feed. Thirty chicks can feed at one time. Made in two sizes.

No. 192—Peerless Feeder, height 9½ inches, capacity, 10 qts. Each $1.35.
No. 193—Peerless Feeder, height 12 in., capacity, 18 qts. Each $1.75.
By express or freight only.

Moe’s Grit and Shell Box

Feeds grit, oyster shell and charcoal without waste.

No. 45—Two compartments, chick size. Each 40c; by parcel post 50c.
No. 9—Three compartments, hen size. Each 50c; by parcel post $1.00.
No. 90—Four compartments. Each $1.00; by parcel post $1.25.

By express only.

Moe’s Aluminum Buttermilk Feeders

Made of aluminum, which is not affected by milk acids and similar feeds.

No. 69—10-inch. Each 40c; by parcel post 50c.
No. 70—20-inch. Each 90c; by parcel post $1.05.

Two-Piece Buttermilk Fountain

Made of bright charcoal tin plate, which is not affected by milk acids. The same material is used in milk cans, etc. Absolutely safe and sanitary feeders for buttermilk and sour milk.

No. 152—2 qt. capacity. Each 45c; by parcel post 85c.
No. 153—4 qt. capacity. Each 65c; by parcel post 85c.

Magazine Buttermilk Fountain


No. 139—Each 65c; by parcel post 85c.

Moe’s Porcelain Buttermilk Feeder

Moe’s Round Chick Feeder, white porcelain enameled inside, not affected by milk acids and just the thing for feeding buttermilk, sour milk and medicated feeds. Diameter, 8¾ inches, with 12 feeder holes.

No. 190—Moe’s Enameded Feeder. Each 60c; by parcel post 75c.

STONWARE BUTTERMILK FOUNTAIN

This is the strongest and best constructed Earthen Buttermilk Feeder or waterer on the market. The saucer and top container are highly glazed inside and out of high grade earthenware. ½-gal size 60c; 1-gal size 85c; not mailable.

R.-H. CO.’S BUTTERMILK FEEDERS OR FOUNTAINS

Moe’s Buttermilk Feeders

Especially desirable for feeding buttermilk. Has sliding top, a clean, sanitary device. Made of heavy tin, which is not affected by acids.

No. 137—10-inch, 10 holes. Each 25c; by parcel post 35c.
No. 138—20-inch, 20 holes. Each 40c; by parcel post 50c.

Adjustable Milk Fountain

To be used with any make of fruit jar. A perfect feeder for sour milk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corrod ing.

Each 45c; by parcel post 45c. We do not furnish jars.

Moe’s Peerless Growing Chick Feeders

For chicks and growing fowls. Large capacity. The hopper is adjustable up or down for different kinds of mash and feed. Thirty chicks can feed at one time. Made in two sizes.

No. 192—Peerless Feeder, height 9½ inches, capacity, 10 qts. Each $1.35.
No. 193—Peerless Feeder, height 12 inches, capacity, 18 qts. Each $1.75.
By express or freight only.

Moe’s buttermilk Feeders

Especially desirable for feeding buttermilk. Has sliding top, a clean, sanitary device. Made of heavy tin, which is not affected by acids.

No. 137—10-inch, 10 holes. Each 25c; by parcel post 35c.
No. 138—20-inch, 20 holes. Each 40c; by parcel post 50c.

Moe’s Heavy Tin Buttermilk Feeders

Especially desirable for feeding buttermilk. Has sliding top, a clean, sanitary device. Made of heavy tin, which is not affected by acids.

No. 137—10-inch, 10 holes. Each 25c; by parcel post 35c.
No. 138—20-inch, 20 holes. Each 40c; by parcel post 50c.
R.-H. CO.'S CHICK HOPPERS AND FEEDERS

Moe's Single Trough Feeder

Just the thing for feeding baby chicks; has sliding top, easily cleaned.
No. 55—12 inches long. Each 25c; by parcel post 35c.
No. 56—18 inches long. Each 35c; by parcel post 50c.
No. 57—24 inches long. Each 40c; by parcel post 55c.

Moe's Double Trough Feeder

Has two sides, otherwise identical with the single trough.
No. 58—12 inches long. Each 30c; by parcel post 40c.
No. 59—18 inches long. Each 40c; by parcel post 55c.
No. 60—24 inches long. Each 50c; by parcel post 65c.

Moe's Dixie Feeding Trough

The round troughs are easily filled and cleaned; have turned edges to prevent waste. Fitted with heavy wire guard to keep chicks out of feeder.
No. 462—Dixie Feeder, 30 inches long. Each 30c; postpaid 45c.

Moe's Round Baby Chick Feeder

A very convenient feeder. Can also be used for water. Two sizes, No. 11, 6 inches with 6 holes, and No. 12, 8½ inches with 12 holes.
No. 11—Galvanized. Each 10c; by parcel post 20c.
No. 12—Galvanized. Each 20c; by parcel post 30c.

Moe's Magazine Feeder

A new round chick feeder with a magazine or container to hold a good quantity of feed.
No. 18—Moe's Magazine Chick Feeder, capacity 2 qts. Each 50c; by parcel post 65c.

Moe's Eclipse Chick Feeder

No. H-72—20-inch. Each 35c; by parcel post 50c.
No. 27—10-inch, each 20c; by parcel post 30c.
No. 28—20-inch, each 30c; by parcel post 45c.

Moe's Growing Chick Feeder

A feeder for growing chicks. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. Has a sliding cover, easy to fill and clean.
No. 140—10 qts. Each $1.00; by parcel post $1.40.
No. 141—Has 27 openings on each side, so 54 chicks can feed at one time. 17½ qts. Each $1.60; not mailable.
No. 148—Extra Hopper for No. 141, 50c; by parcel post 75c.
No. 149—Rain Cover for No. 141, 35c; by parcel post 50c.

Oakes' Chick Feed Troughs

No. H-72—20-inch. Each 35c; by parcel post 50c.

Oakes' New Baby Chick Feed Hopper

Adjustable feed control; feeds on both sides. The V-shaped bottom throws the feed forward, where the chicks can reach it. The lid is hinged and split in the center for convenience in filling. Adjustable feed slide permits feeding fine or coarse feed. Tippler on lid prevents chicks from roosting. Large feed capacity; made in three convenient sizes.
Each
No. H-35—Length, 21 inches. . . . . . . . $1.20
No. H-37—Length, 35 inches. . . . . . . . 1.30
No. H-375—Length, 42 inches. . . . . . . . 2.25

Oakes' New Chick Feed Trough

An inexpensive chick trough. Made of galvanized iron with cross wire welded on, making it sturdy and strong. The wire prevents chicks getting into the feed. Made in two sizes.
No. H-51—20 in. long. Each 25c; postpaid 40c.
No. H-51A—24 in. long. Each 30c; postpaid 45c.

Oakes' Chick Grit and Shell Boxes

Chicks should have grit, oyster shell and charcoal, and for this purpose Oakes' Chick Grit and Shell Box is indispensable. Made with three compartments.
No. H-73—Chick size. Each 85c; parcel post $1.00.
Oakes' H-68 Chick Fountain

This appliance for chicks, feeds water, grain, grit, etc., automatically. An absolutely sanitary fountain, made to fit any half-gallon, quart or pint Mason jar. We do not furnish jars. Each 10c; by parcel post 15c.

Oakes' No. H-69 Chick Fountain

Made of galvanized steel. Can screws into cap in center of pan. Enables you to use either pint, quarter or half-gallon Mason jar. No. H-69—Each 10c; by parcel post 15c.

Oakes' Round Buttermilk Feeder

It is 12 inches in diameter and 1 3/8 inches deep. Holds three pints of liquid feed. Made from heavy tin; rust-proof; has twenty-two feeding holes, making 36 inches of feeding space. Top is cone-shape to prevent chicks from getting on it. Easy to take apart for cleaning. No. H-82—Each 75c; by parcel post 90c.

Oakes' No. H-100 Inexpensive Gallon Fount

This Gallon Fountain is a fine value for the money. Can is inverted to fill. Very easy to clean. Pan is held to can by friction. Will not tip over. Provides drinking space all around the pan. Fine for small chicks as the pan is low. No. H-100—Each 50c; by parcel post 65c.

Oakes' No. H-100-A Inexpensive Gallon Fount

This is the same fountain as No. H-100, but is equipped with an instantly removable brass wire coil to prevent chicks from getting into the water. No. H-100A—Each 50c; by parcel post 65c.

Special Stand for Buttermilk Fountain

No. H-70C—Stand only, no pan—will fit No. 70A and No. 70B Fountain. Each 15c; by parcel post 25c.

Oakes' Chick Fountain

Aluminum pan. May be used for either water or buttermilk. Made in two sizes, quarts and two quarts. Each No. H-70A—1 quart, with pan............. $0.35 No. H-70B—2 quart, with pan............. .40 By parcel post, 10c each extra. Fits any Mason jar. We do not furnish glass jar.

Stoneware Jug-Shaped Fountain

It is made in two parts, the saucer being separated from the upper portion, so it can be easily cleaned. These stoneware fountains are the best to have when using any medicines, such as White diarrhoea or cholera remedies. Not mailable. 1 qt. 40c; 2 qts. 60c; 4 qts. 85c.

Calendars Free

When you order any goods, if you request it, we will be pleased to mail you one of our "Year at a Glance Calendars."
R.-H. CO.'S POULTRY FOUNTAINS

Oakes' E-Z-Fill Double-Wall Fountains
A new, inexpensive double-walled fountain with heavy bail for carrying the outer can. Drinking space all around fountain. Ball is held out of water as shown. Easy to fill and clean. No corks or valves. Made in two sizes.

Oakes' "Capacity" Fountain
Keeps a plentiful supply of clean, fresh drinking water always available. Drinking space all around can; fountain filled from top. Can also be equipped with heater for winter service.
No. H-9—5-gallon fountain $3.50.
No. H-8—8-gallon fountain 4.75.
No. H-4A—8-gallon fountain, with heater, 6.25. By express or freight only.

Hawes' Simplicity Automatic Water Valve
This Simple Valve Solves the Watering Problem
At last, a trouble-proof water valve that works automatically! Easy to attach—nothing to get out of order. A hollow metal float rests on the surface of the water, and as level rises and falls, valve automatically closes and opens. Insures a constant supply of pure, clean, water—a vital factor in successful poultry and small stock raising. Each $1.00; by parcel post $1.15.

Oakes' Drop Bottom Fountain
The hinged bottom enables fountain to be thoroughly cleaned, while flat back keeps it firm against the wall. Drinking space two-thirds distance around can.
No. H-23—1-gallon. Each $1.25; by parcel post $1.45.
No. H-24—2-gals. Each $1.50; by parcel post $1.70.
No. H-25—4 gals., each $2.00; by parcel post $2.25.

Moe's Horizontal Swinging Fountain
A new style fountain with large capacity. Can easily be kept clean and sanitary; has no valves or complicated parts. Mounted on steel legs. Can be filled and cleaned from the top.
No. 43—Moe's Horizontal Swinging Fountain, 10-gallon capacity. Each $4.00, f. o. b. Memphis.

Oakes' E-Z-Fill Double-Wall Fountains
A new, inexpensive double-walled fountain with heavy bail for carrying the outer can. Drinking space all around fountain. Ball is held out of water as shown. Easy to fill and clean. No corks or valves. Made in two sizes.

Oakes' "Capacity" Fountain
Keeps a plentiful supply of clean, fresh drinking water always available. Drinking space all around can; fountain filled from top. Can also be equipped with heater for winter service.
No. H-9—5-gallon fountain $3.50.
No. H-8—8-gallon fountain 4.75.
No. H-4A—8-gallon fountain, with heater, 6.25. By express or freight only.

Moe's Square Top Fill Fountain
Made of heavy galvanized iron, with double walls, which keeps the water cool in summer, and retards freezing in winter. Fills from the top, thus avoiding the annoyance of spilling over while being filled. Can be hung up out of the litter, and the square pan gives drinking facilities for two pens at the same time.
No. 1—1-gal. capacity. Each $1.40; by parcel post $1.65.
No. 2—2-gal. capacity. Each $2.15; by parcel post $2.50.
No. 4—4-gal. capacity. Each $2.65; by parcel post $3.00.

Moe's Automatic Fountain
Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water. The automatic valve and float is entirely of brass, nickel finish with nothing to rust. Price, complete with pan, $1.50; by parcel post $1.65. Without pan, $1.00; by parcel post $1.10.

Moe's Lay Down Insulated Double Wall Fountain
Keeps water warm in winter and cool in summer. Top-filled, making it easy to fill and clean.
No. 9—3-gallon size. Each $3.00.

Oakes' Sani-Thermo Fountain
Keeps the water warm in winter and cool in summer. Top-filled, making it easy to fill and clean.
No. H-18—Capacity, 5 gallons. Each $3.75. By express or freight only.

The Duplex Fountain
This is a double-wall fount, keeps the water clean and pure. Easy to fill, easy to care for. 4-qt. $1.25; 8-qt. $1.75; by parcel post 4-qt. $1.50; 8-qt. $2.10.

The Twin Duplex Fountain
Constructed with two water fronts which doubles the drinking capacity. Eight-quart size, each $2.00; by parcel post $2.25; 5 gal. $3.50. The five-gallon size cannot be mailed.

Moe's Insulated Poultry Fountains are made with thick double walls which keep the water warm in winter and cool in summer.

Moe's Upright Insulated Double Wall Fountains
Moe's Insulated Poultry Fountains are made with thick double walls which keep the water warm in winter and cool in summer.

2-gallon size, each... $2.00
3-gallon size, each... 3.00
5-gallon size, each... 4.00

TOP NOTCH Seeds, Bulbs, Fruit Trees and Poultry Supplies 81
**R.-H. CO.'S POULTRY AND STOCK REMEDIES**

**Avicol**

For White Diarrhoea or Cholera in Chicken and Blackhead in Turkey—We Recommend Avicol for Prevention and Treatment.

Avicol should be in the very first water the little chicks drink. And it will pay you to keep it in the drinking water for all the flock, old and young. Our guaranty protects you. Money refunded without question if Avicol does not satisfy you perfectly. 32-tablet size 50c; by parcel post 80c.

**Animal Poultry Yeast Foam**

Makes healthier hens; more eggs; prevents leg weakness and paralysis; makes chicks grow fast. Worth its weight in gold as it makes bigger hatches and bigger chicks.

**Avian Bacterin**

Avian Bacterin is made specifically for White Diarrhoea, Coccidiosis and all bowel troubles. For bottle 25c; large size 50c; by parcel post 80c and 85c.

**Bee Dee Poultry and Stock Powders**

A poultry and stock medicine. Highly recommended for all stock and poultry troubles, hog cholera, 25c and 50c a can; by parcel post 32c and 60c.

**Black Leaf 40**

Kills Poultry Lice

Simply paint the roost perch; it works while they sleep. 1-oz. bottle 35c; 1-lb. bottle $1.25; cover 90 to 120 running feet of perch. 2-lb. bottle $3.25; 10-lb. can $11.85; f. o. b. Memphis.

**Avenarius Carbolinium (Reg.)**

Kills Mites or Ticks in Hen Houses.

Avenarius Carbolinium will not only kill mites and fowl ticks by direct contact, but if sprayed, it will penetrate all cracks and crevices and fowl ticks by direct contact, but if sprayed, it will penetrate all cracks and crevices and almost immediately the desire to pick is overcome. Price 60c; postpaid 70c.

**Animal Poultry Yeast Foam**

Animal Poultry Yeast Foam

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**Avian Bacterin**

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**Bee Dee Poultry and Stock Powders**

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**Black Leaf 40**

Kills Poultry Lice

Simply paint the roost perch; it works while they sleep. 1-oz. bottle 35c; 1-lb. bottle $1.25; cover 90 to 120 running feet of perch. 2-lb. bottle $3.25; 10-lb. can $11.85; f. o. b. Memphis.

**Avenarius Carbolinium (Reg.)**

Kills Mites or Ticks in Hen Houses.

Avenarius Carbolinium will not only kill mites and fowl ticks by direct contact, but if sprayed, it will penetrate all cracks and crevices and almost immediately the desire to pick is overcome. Price 60c; postpaid 70c.

**Animal Poultry Yeast Foam**

Animal Poultry Yeast Foam

Makes healthier hens; more eggs; prevents leg weakness and paralysis; makes chicks grow fast.

**Avian Bacterin**

Avian Bacterin is made specifically for White Diarrhoea, Coccidiosis and all bowel troubles. For bottle 25c; large size 50c; by parcel post 80c and 85c.

**Bee Dee Poultry and Stock Powders**

A poultry and stock medicine. Highly recommended for all stock and poultry troubles, hog cholera, 25c and 50c a can; by parcel post 32c and 60c.

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**Animal Poultry Yeast Foam**

Animal Poultry Yeast Foam

Makes healthier hens; more eggs; prevents leg weakness and paralysis; makes chicks grow fast. Worth its weight in gold as it makes bigger hatches and bigger chicks.
## Conkey's Poultry Remedies

Conkeys that your money will be cheerfully returned if you are not satisfied. All Conkey dealers are authorized to refund your money when you ask for it, but if you should have any difficulty please write to Conkey.

<table>
<thead>
<tr>
<th>Product</th>
<th>Sizes</th>
<th>Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blackhead Remedy</td>
<td>Large</td>
<td>$0.50</td>
</tr>
<tr>
<td>Blackhead Remedy</td>
<td>Small</td>
<td>$0.30</td>
</tr>
<tr>
<td>Gape Remedy</td>
<td>Large</td>
<td>$0.50</td>
</tr>
<tr>
<td>Gape Remedy</td>
<td>Small</td>
<td>$0.30</td>
</tr>
<tr>
<td>Head Lice Killer</td>
<td>Small</td>
<td>$0.25</td>
</tr>
<tr>
<td>Head Lice Killer</td>
<td>Large</td>
<td>$0.50</td>
</tr>
<tr>
<td>Lice Powder</td>
<td>15-oz. box</td>
<td>$0.50</td>
</tr>
<tr>
<td>Sodium F. Lice Powder</td>
<td>Large box</td>
<td>$1.00</td>
</tr>
<tr>
<td>Alum Powder</td>
<td>Large box</td>
<td>$1.00</td>
</tr>
<tr>
<td>Fly Shoo</td>
<td>Quart</td>
<td>$0.35</td>
</tr>
<tr>
<td>Fly Shoo</td>
<td>1-gallon</td>
<td>$1.00</td>
</tr>
<tr>
<td>White Diarrhoea Tablets</td>
<td>Box</td>
<td>$0.25</td>
</tr>
<tr>
<td>White Diarrhoea Tablets</td>
<td>1,200 tablets</td>
<td>$3.75</td>
</tr>
<tr>
<td>White Diarrhoea Tablets</td>
<td>2,000 tablets</td>
<td>$5.00</td>
</tr>
<tr>
<td>White Diarrhoea Tablets</td>
<td>4,000 tablets</td>
<td>$7.00</td>
</tr>
<tr>
<td>Yellow Sulphur Powder</td>
<td>1-lb. pkg.</td>
<td>$2.00</td>
</tr>
<tr>
<td>Sulphur Powder</td>
<td>2-lb. pkg.</td>
<td>$4.00</td>
</tr>
<tr>
<td>Sulphur Powder</td>
<td>5-lb. pkg.</td>
<td>$8.00</td>
</tr>
<tr>
<td>Sulphur Powder</td>
<td>10-lb. pkg.</td>
<td>$15.00</td>
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<tr>
<td>Sulphur Powder</td>
<td>20-lb. pkg.</td>
<td>$30.00</td>
</tr>
<tr>
<td>Sulphur Powder</td>
<td>30-lb. pkg.</td>
<td>$45.00</td>
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<td>Sulphur Powder</td>
<td>50-lb. pkg.</td>
<td>$60.00</td>
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<td>Sulphur Powder</td>
<td>100-lb. pkg.</td>
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</tr>
<tr>
<td>Sulphur Powder</td>
<td>200-lb. pkg.</td>
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<td>Sulphur Powder</td>
<td>300-lb. pkg.</td>
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<td>Sulphur Powder</td>
<td>500-lb. pkg.</td>
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</tr>
<tr>
<td>Sulphur Powder</td>
<td>1,000-lb. pkg.</td>
<td>$1,000.00</td>
</tr>
</tbody>
</table>

### Fleischmann's Yeast

Especially prepared for poultry. Fleischmann's Pure Dry Yeast added to the feed for poultry gives baby chicks a good start, prevents them from developing diarrhea and dysentery, which destroy such a big percentage of baby chicks every year. It makes your baby birds grow quickly, giving them increased vitality, also keeps egg production high without forcing the birds.

### Galli Cura

Prevents the development of white diarrhoea and will also cure it. For baby chicks and older birds. Two sizes, 25c and 50c boxes; by parcel post, 30c and 60c.

### Germo Poultry Remedies

<table>
<thead>
<tr>
<th>Product</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Diarrhoea Tablets</td>
<td>$0.25</td>
</tr>
<tr>
<td>Magic Lice Powder-1 lb. can.</td>
<td>$0.35</td>
</tr>
<tr>
<td>Roach Powder-1/4 lb. can.</td>
<td>$0.20</td>
</tr>
<tr>
<td>Roach Powder-1/2 lb. can.</td>
<td>$0.30</td>
</tr>
<tr>
<td>Roach Powder-1 lb. can.</td>
<td>$0.60</td>
</tr>
</tbody>
</table>

### Sulphur Fumigating Candles

A safe and effective fumigating agent. Moisturized with water, producing sulphurous acid gas which is essential to thorough fumigation. Each 15c; by parcel post 20c.

### Henergizer

Poultry Tablets, to promote laying, health, vigor and strength. A mineralized preparation that will increase egg production if directions are followed. Per box 75c, postpaid.

---

### Health Paint

A white paint and a powerful disinfectant powder in a combined form. An effective aid in getting rid of lice and mites and other parasites. A pound makes enough to cover 100 square feet. Recommended for poultry houses, pigeon lofts, dog kennels, basements, etc. You can spray it, brush or dust it.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-lb. carton</td>
<td>$1.00</td>
</tr>
<tr>
<td>10-lb. carton</td>
<td>$2.00</td>
</tr>
<tr>
<td>5-lb. bag</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

### DR. HESS POULTRY and STOCK REMEDIES

#### Dr. Hess Poultry Worm Powder

When your fowls appear hame or have a wobbly gait; when the comb and wattles are pale, that's a good indication that they are infested with worms.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-lb. pkg.</td>
<td>$1.25</td>
</tr>
<tr>
<td>10-lb. pkg.</td>
<td>$2.75</td>
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<tr>
<td>15-lb. pkg.</td>
<td>$3.30</td>
</tr>
</tbody>
</table>

#### Dr. Hess Poultry Panacea

Each Postpaid

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-lb. pkg.</td>
<td>$0.50</td>
</tr>
<tr>
<td>7-lb. pkg.</td>
<td>$1.00</td>
</tr>
<tr>
<td>15-lb. pkg.</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

#### Dr. Hess Stock Tonic

Each Postpaid

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-lb. pkg.</td>
<td>$0.60</td>
</tr>
<tr>
<td>15-lb. pkg.</td>
<td>$1.00</td>
</tr>
<tr>
<td>25-lb. pkg.</td>
<td>$1.50</td>
</tr>
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</table>

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Lee’s Poultry Remedies

Lee’s Gizzard Capsules
A wonderful new discovery for worms in poultry. Eliminates both pinworms and tapeworms.
Poultry-size Gizzard Capsules: Box, 50 capsules $1.00; 100 capsules $1.75; 250 capsules $4.00; 500 capsules $7.00. Chick-size Gizzard Capsules: Box, 50 capsules $0.60; 100 capsules $1.50; 250 capsules $2.50; 500 capsules $4.25. Following not mailable: Each
Lee’s Germzone—Liquid, 4 oz. $0.90

Pratt’s Poultry and Stock Remedies

Pratt’s Chicken Poult—Small... .50 .60
Large... .60 .70
Pratt’s Gape Remedy—Small... .30 .40
Large... .40 .50
Pratt’s Poultry Regulator—Small pkg.
Medium pkg.
12-lb. pkg.
12-lb. pail.
25-lb. pail.
Pratt’s Poultry Worm Powder—Small...
Large...
12-lb. pail.
25-lb. pail.
Pratt’s Poult Powder—Small...
Large...
Pratt’s White Diarrhoea—Small...
Large...
Pratt’s Animal Regulator—Small...
Large...
Pratt’s Animal Regulator—Large...
Pratt’s Red Mite Special—Quart can...
Pratt’s Red Mite Special—Gallon can...

For the prevention of blackhead and roup in turkeys. Keep your turkeys healthy with Ray-zem. Should be given in drinking water, milk or mash, daily. Good also for the older turkeys, as well as roop, choler, coccidiosis and diarrhoeas in chickens. Ray-zem has saved thousands of turkeys.

Trial size $1.00; postpaid $1.10. Medium size $2.50; postpaid $2.60. Large size $5.00; postpaid $5.15.

Red Star Insecticide
Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain and is mailable. Small-size bottle $0.35; large-size bottle $1.00; not mailable.

Lee’s Lice Powder—Small box. $0.25 .35
Large box. $0.50 .65
Lee’s Gizzard Capsules... .25 .35
Lee’s Germzone—Liquid, 12 ozs. $0.75
Oculum for Poultry
Prevents and cures white diarrhea in baby chicks; a scientific remedy and prevention of poultry diseases.
Oculum for Poultry—Small size... .50 .60
Large size... 1.00 1.10

Kil-O-Mite
Keeps Mites Out of Poultry Houses.

G U A R A N T E E — We guarantee to deliver a perfect non-poisonous, non-irritating, non-scorching, non-tainting insecticide that will kill lice, mites, roaches, mosquitoes, ants, and all vermin for ONE YEAR, with all orders. 1 bottle 50c; sent by express 1,000 hens, $1.00; by parcel post $1.15.

Red Star Insecticide
Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain and is mailable. Small-size bottle $0.35; large-size bottle $1.00; not mailable.

Fluoride is the form for poultrymen to use. Here it is. Ready to use. Each Postpaid
Sodium Fluoride
To Kill Chicken Lice.
The U. S. Dept. of Agriculture says: “Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment.” Talcumized Sodium Fluoride is the form for poultrymen to use. Here it is. Ready to use. Each Postpaid
Sterilac
A Disinfectant and Germicide.
Sterilac is a thoroughly reliable disinfectant, deodorant and germicide, which destroys disease-producing germs and enables the poultryman to keep his flock in perfect physical condition.
One ounce will make 30 gallons of standard solution, and it is forty times stronger than carbolic acid and much safer.
Sterilac—For Scaly-Leag.
Scaly-Leag is a contagious disease affecting the legs of most fowl. Skaloint is of proven value in treating Scaly-Leag. Guaranteed. 25c; by parcel post 30c.
Sterilac—For Oculum.
Oculum for Poultry—Small size... .50 .60
Large size... 1.00 1.10

K. O. M. Worm Cure
A sure cure for intestinal worms in poultry. Every bottle guaranteed to cure or your money will be refunded. Per tube, enough to treat 1,000 hens. $1.00; by parcel post $1.15.

For Killing Body Lice on Chickens.
If LICEENE does not prove an effective remedy against chicken lice—YOU ARE THE JUDGE—we will refund your money, if notified within 30 days after purchase of same. Per tube, enough to treat 100 hens; 60c; by parcel post 70c.

Liceicil
Kills poultry lice by simply hanging up the bottle in the poultry house. Full directions sent with all orders. 1 bottle 50c; sent by express only.

Kil-O-Mite
Keeps Mites Out of Poultry Houses.

G U A R A N T E E — We guarantee that any application of KIL-O-MITE either by brush or with a sprayer, to the interior walls, drop¬ping boards and roosts of such buildings which have been thoroughly cleaned, will exterminate mites and will keep building free from vermin for ONE YEAR, OR MONEY REFUND¬ED. 50c; 1 gal. 95c; 1 gal. $1.50; f. o. b. Mem¬phis.

K. O. M. Worm Cure
A sure cure for intestinal worms in poultry. Every bottle guaranteed to cure or your money will be refunded. Per tube, enough to treat 1,000 hens. $1.00; by parcel post $1.15.

Licene
For Killing Body Lice on Chickens.
If LICEENE does not prove an effective remedy against chicken lice—YOU ARE THE JUDGE—we will refund your money, if notified within 30 days after purchase of same. Per tube, enough to treat 100 hens, 60c; by parcel post 70c.

Other remedies at uniform price. Per tube 50c; by parcel post 60c.
Calcine—For colds in chickens.
Diarrone—Cures white diarrhoea.
Pipeine—Cures all forms of roup.
Foxone—Cures chicken scorbic.
Remunanee—For rheniasis in poultry.
Tone—A real tonic for poultry.
Leene—For fawus or depluming mites.
Actene—Helps impotent male birds.
Lee’s Germ zone—For roup.
Lee’s Germ zone—For scaly-Feag.
Pratt’s Animal Regulator—Small...
Pratt’s Animal Regulator—Medium...
Pratt’s Animal Regulator—Large...
Pratt’s Red Mite Special—Quart can...
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Actene—Helps impotent male birds.
Lee’s Germ zone—For roup.
Lee’s Germ zone—For scaly-Feag.
Trakol for Gapes in Chicks

When Gapes starts in your flock get the best of it promptly or it may kill all your chicks. Get Trakol and watch it quickly master the situation. Gapes are caused by a little worm lodging in the windpipe of a chick. Symptoms are gaping, sneezing and coughing. The easy way to avoid it is to put Trakol in the drinking water occasionally. 50c; by parcel post 60c.

Capsules for Killing Intestinal Worms.

An individual treatment for worms in poultry; guaranteed effective. Two sizes. 75c size, by parcel post 85c. $1.25 size, by parcel post $1.35.

Worm X

For excelling worms and other intestinal parasites from poultry. Easy and convenient to give: merely mix with the feed. Small pkg., enough to treat 250 hens, 35c; by parcel post 45c. Large pkg. 60c; by parcel post 75c.

Coaltar Zenoleum Disinfectant-Dip

A scientifically compounded preparation. Used for livestock and poultry to prevent lice and mites as well as general use about the farm, barn and the house. Zenoleum dip and disinfectant.

8-oz. can. $0.35 2-gal. can. $1.25
1-qt. can. .75 1-gal. can. 2.00
5-gal. can. $8.00

All prices on Zenoleum are F.O.B. Memphis. We cannot mail Zenoleum. Zenoleum Lice Powder—Can 25c; by parcel post 30c.

Walko White Diarrhoea, Roup and Cholera Tablets

Walko is a reliable germicide, intestinal antiseptic and general correctant. It is especially destructive to the white diarrhea form, and perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic. Sold in 50c and $1.00 size boxes; by parcel post, 55c and $1.10.

Walko Egg-Maker

Walko Egg-Maker is a good poultry tonic. It keeps your birds in the pink of condition, which assures their greatest capacity for egg production. Packages 50c and $1.00; by parcel post, 70c and $1.25.

Walko Egg-Maker

Walko Egg-Maker is a general poultry tonic. It keeps your birds in the pink of condition, which assures their greatest capacity for egg production. Packages 50c and $1.00; by parcel post, 70c and $1.25.

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Lucky Ready-Mixed Whitewash

These trees were whitewashed with Lucky Ready-Mixed Whitewash, the ideal product for disinfecting and beautifying basements, fences, stables, poultry houses, dairy barns, trees. A dry powder in a dust-proof package. Mix with water and apply. 5-lb. box 50c; by parcel post 70c.

White Hydrated Lime

Everyone knows its value; the best deodorizer. Keeps down diseases, purifies the premises. Ready-Mixed Whitewash, the ideal product for paid 55c; not prepaid 35c. 40-lb. bag 85c.

Be careful and don't let the lime get into the eyes or on your hands. Price: 5-lb carton, postpaid 65c.

Zelio Rat Poison

A powerful rat and mouse destroyer, Zelio is without taste, therefore does not make the bait unavailable. It acts slowly and the animal leaves the premises instead of dying in the hole. 2-oz. tube 50c; 8-oz. can $1.50. Poison; not mailable.

R.-H. Co.'s Rat Paste


Zelio Poisoned Wheat

Kills rats and mice. Can 35c; not mailable. $1.00 per 9-lb. Guaranteed Rat Killer—65c, 65c boxes; cannot mail.

Cyanogen-Kills rats and moles. Can 75c; not mailable.

Topzol

A new non-poisonous exterminator of rats and mice. Harmless to man and domestic animals, poultry, dogs or cats. Kills rats and mice quick. Use it anywhere without danger to human or animal life and get the pesky rats. TOPZOL is guaranteed to kill them and nothing else when used according to directions. Purchase price refunded if it fails. Price: 2-oz. package 50c; by mail 60c.

CAT SUPPLIES

Kit-E-Ration Canned Meat

The cat food supreme. A balanced ration, ready to serve. 1-lb. cans 20c; 3 cans 50c. Case 48 1-lb. cans $6.00; by parcel post, 1-lb. can 25c; 3 cans 65c.

Kit—Kat

Keeps cats from having worms, constipation, sore eyes, tumors and all diseases peculiar to cats. 25c and 50c a box, postpaid.

Catnip Mouse

Its object is to afford amusement to and benefit the health of cats. In endeavoring to get the catnip it induces them to exercise. If the cat plays with it violently, it is saying as plainly as though it could talk, that it desires CATNIP. 15c each; by parcel post 25c.

Semi-Solid Buttermilk

Increases egg production. Keeps hens in the best of condition. Start your baby chicks on it. 1-lb. 20c; by parcel post 30c and 5 lbs. 75c; by parcel post $1.70. We do not break the original 25-lb. bags.

Spratt's Chick Feeds

Spratt's Chelergan—Medium carton 40c; postpaid 55c.

Spratt's Cereal Meal Food—5-lb. carton 50c; postpaid 65c.

Spratt's Turkey Meal—Medium carton 40c; postpaid 55c.

Blatchford's Calf Meal

A perfect milk substitute containing all the elements necessary for rapid and healthy growth and the only calf meal that is thoroughly cooked and prepared for digestion. By freight, 25 lbs. $1.45; by parcel post, within second zone, $1.00.

Schumacher's Calf Meal

Schumacher Calf Meal takes the place of milk with calves from the time they are a month old. The ingredients supply them in the right quantities for the best development of the calf. Price: 25-lb. bag $1.25; by parcel post within 2nd zone, $1.70. We do not break the original 25-lb. bags.

QUANTITY PRICES—See Green Ink Price List enclosed for quantity prices on above feeds, etc.
Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. In ordering please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 10 lbs. 25c; by parcel post 45c, within second zone.

Charcoal aids digestion, promotes health, and is generally corrective of many of the poultry ailments to which fowls are liable. A little charcoal goes a long way and is worth its weight in gold. Three sizes—fine, for chicks; medium, for half-grown fowls and pigeons; coarse, for full-grown fowls. When ordering, state size wanted. 2 lbs. 15c; 4 lbs. 25c. By parcel post, 2 lbs. 25c; 4 lbs. 40c.

A highly essential article for both large and small chicks. Don't fail to provide the fowls with some kind of grit. We can supply all kinds of grit.

For large chickens. For baby chickens. Be sure to state size wanted when ordering. Prices: 10 lbs. 25c. By parcel post within 2nd zone 45c.

Pratt's Baby Chick Food
A largely predigested baby food for baby chicks. Will raise every livable chick. Prevents leg weakness, white diarrhea, "pasting up" and other chick diseases. 2 lb. box 30c; 5-lb. bag 40c; 10-lb. bag 70c. By parcel post, 2 1/2-lb. box 40c; 5-lb. bag 65c; 10-lb. bag 90c.

For prices on larger quantities, see Green Ink List enclosed.

Linseed Meal
Used in poultry mashes and stock feed. 4 lbs. 25c; by parcel post 40c.

Gluten Feed Meal
Excellent for adding to poultry mashes. High in protein. Helps moulting. 4 lbs. 25c; postpaid 40c.

Digester-Tankage or Meat Meal
A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs. 25c; by parcel post 40c.

Rolled Oat Meal
A valuable food for both baby and growing chicks. By freight: 4 lbs. 25c; parcel post 40c.

Canada Field Peas
Essential for mixing in pigeon feed. 3 lbs. 25c; by parcel post 40c.
Conkey's Original Buttermilk Starting Feed With Y. O.

This superior chick mash was the first commercial poultry feed containing buttermilk and Y. O.—that is why we call it the ORIGINAL buttermilk starting feed. Conkey's carries buttermilk with Y. O. in just the right proportion as an aid to prevention of bowel troubles, white diarrhea, "leg weakness," etc. This buttermilk is semi-solid, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic and beneficial properties of the newly-arrived product.

Ask for circulars and further information on Conkey's Buttermilk Starting Feed.

Prices: 21/2-lb. pkg. 25c; 5 lbs. 40c; 10 lbs. 70c. By parcel post within second zone, 80c.

Conkey's Buttermilk Growing Mash With Y. O.

Ingredients — Semi-solid buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone meal, buttermilk meal and oil meal and Y. O. This mash is fed after the chicks are eight weeks old. It is balanced for rapid development of muscles, bones, vital organs and feathers. 10 lbs. 60c; by parcel post within second zone 80c. Ask for quantity prices on Conkey's Buttermilk Starting and Growing Mashes.

Conkey's Fine Chick Feed

Extra fine quality and composed only of sound, wholesome grain carefully and scientifically balanced. Conkey's carries more grain than any other feed. Feed it to the chicks until the day before they are ready to go to market.

How to Feed Chick Grains.

1st—A little warm drinking water.
2nd—A little fine grit or white sand.
3rd—Feed a little Conkey's Chick Starter, to give them to a hen.
4th—A little care for the litter every morning.
5th—Keep them with a good brooder. Don't overfeed them a little at a time three or four times a day.
6th—Keep them with a good brooder, not in a cage.

Conkey's Growing Grains

A mixture of small grains for growing chicks. Conkey's carries more grain than any other feed.

Ful-O-Pep Poultry Feeds

All the Ful-O-Pep mash, chick starter, growing mash and egg mash now contain the vital element—Cod Liver Meal—which has the same effect on poultry as spring sunshine—results in stronger, healthier, more profitable flocks.

Ful-O-Pep Chicken Starter

To raise all your chicks fed Ful-O-Pep Chick Starter the first six weeks. This remarkable feed contains both cod liver oil and cod liver meal in addition to oat meal, ground wheat, bone meal and fish meal. It develops strong chicks practically free from weakness and other troubles. 3-lb. pkg. 35c; by parcel post 50c. 8 1/3-lb. pkg. 55c; by parcel post within second zone 75c.

Ful-O-Pep Fine Chick Feed

Is made from the best quality of milling grains carefully cracked, just to the right size for baby chicks. Feed it with Ful-O-Pep Chick Starter. 8 1/3-lb. pkg. 40c; by parcel post within second zone 60c.

Ful-O-Pep Growing Mash

This mash, containing cod liver meal, is without doubt the finest growing mash ever placed at the disposal of the poultry man. Feed it from the sixth week until the fifth month. It is in part, oat meal and the finest nicely balanced with other bone and muscle-forming ingredients. 8 1/3 lbs. 40c; by parcel post, within second zone 60c. For prices on 25-lb., 50-lb., and 100-lb. bags, refer to Green Ink List enclosed.

Ful-O-Pep Coarse Chick Feed

A mixture of carefully selected grains a trifle larger than Fine Chick Grains to be fed to chicks after eight weeks old. It is made from the very best quality of grains. 8 1/3 lbs. 40c; by parcel post, within second zone 60c.

Ful-O-Pep Egg Mash

Adding the sunshine element cod liver meal to this famous egg-producing feed, has simply made the best mash still better—resulting in much stediger egg production all year. 8 1/3 lbs. 40c; by parcel post, within second zone 60c. Feed it dry from a good hopper.

Ful-O-Pep Hen Scratch Grain

Contains a large assortment of small and cracked grain, giving properly balanced ration to keep hens in condition. 8 1/3-lb. pkg. 35c; by parcel post, within second zone 55c.

Ful-O-Pep Fattening Mash

Especially prepared, easily digested food for fattening poultry. Contains just the right material for finishing the fowl preparatory to market ing. 10 lbs. 40c; by parcel post, 4 lbs. 60c.

Russell-Heckle's Baby Chicks

We are pleased to announce we have made arrangements to handle the Sterling Hatchery Chicks.

Sterling Hatchery Chicks are No. 1 XX grade; the best chicks you can buy no matter what you pay for them. All Sterling Hatchery Chicks are blood-tested and certified.

Orders are filled in rotation, so, if possible, book your order in advance. We will not keep you waiting any longer than necessary.

Delivered to your door by parcel post, with a guarantee of 98 per cent live delivery. All claims for loss must be accompanied by signature of your postmaster.

Putnam Brooder Heater

The Putnam Brooder Heater is a very popular one for home brooded brooders. Used with a box, approximately 32x16x10, it furnishes brooding capacity for from 35 to 50 chicks. Easy to set up and operates. Burns 10 days without attention and without any further attention. Full directions for making your own brooder furnished with each stove. Each $4.50; Wick $4.75.

R.-H. Co.'s Poultry Litter

A perfect scratching material for baby chicks. A deodorant, absorbent disinfectant and litter-saving litter. It absorbs all the moisture from droppings. 10 lbs. 75c; by parcel post within second zone $1.10. Per bale of about 125 lbs. $3.90; 5 bales or more at $3.75 each, f. o. b. Memphis.

Feeding Baby Chicks

When 48 Hours Old; Not Before.

1st—A little warm drinking water.
2nd—A little fine grit or white sand.
3rd—Feed a little Conkey's Buttermilk Starter, dampered with semi-solid buttermilk—make it crumbly, not mushy.
4th—Continue them a little at a time three or four times a day.
5th—Keep them with a good brooder. Don't give them to a hen.

If you lose in the first six weeks you lose for the whole year. Why experiment with improperly balanced, poorly mixed, so-called " Cheap feeds"? Play safe, buy Conkey's Buttermilk Starting Feed, guaranteed to produce results or your money cheerfully refunded. Place your order today. Use Conkey's the first six weeks.
Special Evergreen Collection
$4.50, Parcel Post Paid.

First healthy plants that will quickly develop into beautiful specimens. Delivered to your door, parcel post paid, each $1.00, or one of each of the five varieties named for only $4.50.

Thuja Globosa—A very hardy, compact globe form, with dense green foliage.
Hoveyl—Dwarf, dense, egg-shape form with bright green foliage.
Lotes—Columnar in habit; foliage a conspicuous golden yellow.
Pyramidalis—Narrow columnar shape; bright rich green foliage. Very hardy.
Wareana—A conical, symmetrical, compact grower; long-lived with dark green foliage.

Hardy Flowering Shrubs
A selected assortment of choice varieties that will produce a mass of wonderful flowers in your garden. Fine young plants delivered to your door, postage paid. Each 50c, or one each of the six varieties named for only $2.50.

Amygdalus (Flowering Almond). A beautiful dwarf shrub with exquisite double pink blossoms, delightfully fragrant.


Rose Collections

These collections are genuine bargains. If you are planning to set out any of these this spring, here is an opportunity to purchase your plants at most reasonable prices. No changes will be allowed in the collections nor in quantities of a variety.

SPECIAL ROSE COLLECTION NO. 1.
8 Fine 2-Year Plants, only $3.00, Postpaid
Regular Value $5.00. Our Special Offer $3.00

R. H. Co.'s Collections of Rose Collections

Radiance, Pink
Golden Ophelia
Mme. butterfly
Red Radiance
Columbia
Francis Scott Key
White Killarney
Commonwealth, Pink

No changes allowed.

SPECIAL ROSE COLLECTION NO. 2
8 Strong 1-Year Plants, only $1.75, Postpaid
Regular Value $2.50. Our Special Offer: $1.75

Geal, McArthur, Red
Ophelia, Pink
Radiance, Pink
Sunburst
K. A. Victoria
Alex. Hill Gray
Jonker: J. L. Mock
Red Radiance

No changes allowed.

Big Evergreen Collection
Only $4.95, Express Collect.

These are larger plants and all will be sent bailed and baled at price named, $4.95, F. O. B. Nursery.

2 Chinese Arbor Vitae, Compact—18-24 inches.
2 Globe Arbor Vitae—12-15 inches.
1 Baker's Pyramidal Arbor Vitae—15-18 inches.
1 Irish Juniper—18-24 inches.

You will be well pleased with these varieties and also size of plants.

FALL BULBS
Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

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RUSSELL-HECKLE'S

Collections of Fruit Trees, Bulbs and Seeds

All first quality, true to name and guaranteed to please you in every way. Take advantage of one of these special offers. We know that you will be highly satisfied. At these special prices, no change in variety will be allowed.

**Bargain Peach Collection**

30 2-year Peach Trees, $9.50. Express Prepaid. Regular value $13.50.

- Carman
- Crawford's Early
- Salway
- J. H. Hale
- Etherta
- Heath Cling

Send $7.50 for this collection. We pay express charges.

**Top-Notch Apple Collection**


- Delicous
- Winesap
- Yellow Transparent
- Jonathan
- Grimes Golden
- Red Transparent

Send $9.50 for this collection. We pay express charges.

**Top Notch Home Collection**

35 Assorted Trees for the home garden, only $9.50. Express Prepaid. Regular value $14.50.

- Carman Peach
- Delicious Apple
- Etherta Peach
- Early Richmond Cherry
- Red June Plum
- Duchess Pear
- Yellow Transparent Apple

Send $9.50 for this collection. We pay express charges.

**Top Notch Grape Collection**

30 1-year Grape Vines, only $3.25. Express Prepaid. Regular value $6.00.

- Concord
- Niagara
- Moore's Early
- Campbell's Early

Send $4.75 for this collection. We pay express charges.

**Top Notch Perennial Collection**

12 Fine Perennials

Send only $1.00; regular value $2.40.

- Coreopsis
- Delphinium
- Golden Glow
- Grass Pink
- Zinnia

Send $1.80 for this collection. We pay the postage.

**R.-H. Co.'s Peat Moss or Humus**

Unexcelled as a mulch on Roses, Shrubs, and Evergreens. Keeps down the weeds, yet retards the moisture. Most eliminates working the plants as it tends to keep down all wild vegetation. 10 lbs. 75¢; 50 lbs. $1.50. Per bale, about 13 cubic feet or about 125 lbs. $3.50; 5 bales or more at $3.35 per bale.

**Special Dahlia Collection**

8 Fine Dahlias

Only $2.40 Postpaid. These are all named varieties and good ones.

Avalon. Pure clear yellow; very large; one of the best decorative Dahlias of its color.

Bashful Giant. Apricot with golden suffusion and shadings; attractive exhibition decorative type.

Earl Williams. Brilliant crimson color; each petal tipped with white. Free blooming; decorative.

La Mascotte. Petals silvery-pink, while reverse side is reddish-violet. Very novel and pleasing; decorative.

Riverstone Snow. A splendid large white decorative Dahlia; very showy.

Jean Churat of Gay Paree. Beautiful golden-bronze with faint touch of red; unsurpassed cactus type.

Islam Patrol. Dark velvety-crimson, tipped and flushed with gold; decorative.

Shellflock. Glowing deep garnet, one of the very best of the dark varieties.

**Special Peony Collection**

6 fine named varieties.

Only $1.60 Postpaid

**R.-H. Co.'s Giant-Flowered Zinnia Collection**

10 Packets, each one different. Regular Value $1.10. Sent postpaid for only 80c.

- Giant Crimson
- Giant Salmon
- Giant Yellow
- Giant Violet
- Giant White
- Giant Pink
- Giant Purple
- Giant Lavender
- Giant Scarlet
- Giant Orange

With one packet free of R.-H. Co.’s Giant Mixed Zinnia. All mailed for only 80c.

**Family Garden Collection**

Regular Value $1.25; sent postpaid for only 75c.

One packet each of the following 20 varieties of vegetable seeds:

- Bush Beans—Burpee’s Stringless.
- Pole Beans—Kentucky Wonder.
- Pole Butter Beans—Carolina.
- Sweet Corn—Golden Sunburst.
- English Peas—Early Alaska.
- Beet—Eclipse Blood Turnip.
- Cabbage—Charleston Wakefield.
- Collard—Southern or Georgia.
- Carrot—Dave’s Half Long.
- Cucumber—Improved Long Green.
- Lettuce—New York or Wonderful.
- Mustard—Southern Giant Curled.
- Okra—White Velvet.
- Parley—Double Curled.
- Radish—Early Sensation.
- Spinach—Curled Savoy.
- Squash—Early White Bush.
- Tomato—Early Detroit.
- Turnip—Mammoth Purple Top Globe.
- Watermelon—Stone Mountain.

The above Collection mailed for only 75c.

**Top Notch Spencer Sweet Pea Collection**

12 Fine named Varieties, Regular Value $1.25. Sent Postpaid for only 80c.

- Austin Frederick
- Countess Spencer
- Firey Cross
- Heavenly Blue
- King White
- King Edw. VII
- Margaret Atlee
- Miss California
- Mrs. Tom Jones
- Sunkist
- Tower Rose
- Glowing Orange

With one packet extra of R.-H. Co.’s Superb Mixed Spencer Sweet Peas. Mailed for only 80c.

**POMODUST**

**ROSE SPECIAL**

Pomodust is a combination of highly effective fungicides and insecticides in combination for the prevention of many blights, mildews and fungus troubles and to kill external leaf-eating insects. Pomodust is especially adapted to use on Roses, and is used and recommended by many prominent growers. It is also adapted for use on many other plants. Pomodust is a very fine powder and can be readily dusted on the plants giving them a thin coat of very effective blight, mildew and fungus-preventing remedy and at the same time coating the plants with a poison that is deadly to many external leaf-eating insects.

PRICE: 1 pound 50c; 5 pounds $1.35; 10 pounds $2.00; 25 pounds $4.00.

**Free Napa-Goat Skin Gloves**

Something you will enjoy. They are made of mountain goat skin and will give real service. Regular retail value $1.00.

One pair given away free with every cash order for $2.00 of seeds, bulbs or merchandise. Don’t fail to ask for Napa-Goat Skin Gloves. They will be sent with any cash order amounting to $5.00.

**Pick fruit from trees at any angle**

**KEES FRUIT PICKER**

ECONOMICAL. EASY TO HANDLE. HEAVY DUTY.

**FREE SAMPLE OFFER**

Send 50c for the KEES FRUIT PICKER. Any 50c note will do. Receive your order at once.

**RUSSELL-HECKLE SEED CO., Memphis, Tenn.**
R.-H. CO.’S BERMUDA PLANTS

Plant in rows about 15 inches apart and 3 to 4 inches in the rows. Set them late in February, March, or April.

Yellow or Straw Colored Bermuda Onion Plants
Postpaid, 100, 25c; 500, 75c; 1,000, $1.50. Not prepaid, from Memphis, 100, 15c; 500, 60c; 1,000, $1.00; per crate, plants, $2.20. F. O. B. growing station, per crate of 1,000 plants, $3.50.

Crystal White Wax Bermuda Onion Plants
Postpaid, 100, 30c; 500, $1.00; 1,000, $2.50. Not prepaid, 100, 35c; 500, $1.50; 1,000, $2.25; per crate, 6,000 plants, $1.50. Postpaid, F. O. B. growing station, per crate, 6,000 plants, $3.60.

GARDEN PLANTS

Beet Plants—Postpaid, 100, 45c; 500, $1.75; 1,000, $3.50. Not prepaid, 100, 35c; 500, $1.50; 1,000, $3.00.

Cauliflower Plants—Postpaid, 25, 50c; 100, $1.25. Not prepaid, 25, 30c; 100, $1.00; 1,000, $7.50.

Celery Plants—Postpaid, 25, 25c; 100, 60c. Not prepaid, 25, 25c; 100, 50c; 500, $2.00.

Eggplants—Postpaid, doz., 25c; 50, 75c; 100, $1.25.

Lettuce Plants—Postpaid, 50, 25c; 100, 45c; 500, $2.00. Not prepaid, 50, 20c; 100, 35c; 500, $1.50; 1,000, $3.25.

Pepper Plants—Postpaid, doz., 25c; 50, 75c; 100, 50c; 500, 85c; 500, $4.00.

Tomato Plants—HOTBED OR SEEDLING STOCK—Postpaid, doz., 20c; 50, 35c; 100, 60c; 500, $2.50. Not prepaid, doz., 20c; 50, 35c; 100, 50c; 500, $2.00; 1,000, $3.00.

TRANSPANTED, HOTBED GROWN—Postpaid, doz., 25c; 50, 60c; 100, $1.00; 500, $4.50. Not prepaid, doz., 20c; 50, 50c; 100, 75c; 500, $3.50; 1,000, $6.00.

Ask for descriptive pamphlet. Price, Grade B, heavy 18-inch width, per roll of 150 lineal yards, $3.50; 30-inch width, per roll of 150 lineal yards, $7.00.

Plant Under Gator Hide Mulch Paper This Year
Do away with the back-breaking labor of cultivating and weeding — make one acre produce what two or three did last year — get your crops to market early, while prices are highest. Mulch Paper frequently makes it possible to get two crops a season instead of one, and three crops where only two were possible before.

Unrolled over the proposed plant beds, and anchored by soil or other available material along the edges, Gator Hide Mulch Paper imprisons all the moisture in the soil. Its black surface catches and retains the sun’s heat. This raises the soil’s temperature, prevents cooling at night, and promotes continuous beneficial activity, liberating night and day nitrous food matter for the plant, producing bigger, better and earlier crops.

Ask for descriptive pamphlet. Price Grade B, heavy 18-inch width, per roll of 150 lineal yards, $3.50; 30-inch width, per roll of 150 lineal yards, $7.00.

R.-H. CO.’S CABBAGE PLANTS

These plants can easily be set out anywhere, and although the top of the plant does not grow until spring weather, the roots take hold immediately and develop even though they should be covered with snow. Later, when the weather becomes favorable, they make an astonishing growth, due to their early start.

VARIETIES — Jersey and Charleston Large Wakefield, Succession and Early Flat Dutch.

Prices: Postpaid, 100, 35c; 500, $1.50; 1,000, $2.25. Not prepaid, by express, from Memphis, 100, 35c; 500, $1.00; 1,000, $2.00. Prices, F. O. B. growing station, express collect, 1,000, $1.50; 5,000, $7.00; 10,000, $15.50.

Certified Sweet Potato Plants
Nancy Hall and Porto Rico. Postpaid, 500, $2.00; 1,000, $3.50. Not prepaid, 500, $1.75; 1,000, $3.00; 5,000, $12.50, f. o. b. growing station. Prices subject to market changes.

Lite Wate Lawn Settee
All the steel is formed of channel iron to keep maximum strength and minimum weight. All steel parts painted green. Slats are selected oak, being 42 inches long, and stands 50 inches in height to the top.

Hotkaps
These are scientifically made wax paper cones which protect the plants from cold. They are mini hot beds. Plant any kind of seed under them and thereby get earlier and better germination, therefore, better crops. Planting can be done three to four weeks earlier by the use of Hotkaps.

Prices, 100 with garden setter, $2.50; by mail, $2.75; 250 with garden setter, $4.00; by mail, $4.40.

Brown’s Flying Cloud Duster
A new type duster for use in field and garden crops. It is equipped with a diaphragm agitator and long extension which makes it possible to dust at any angle with out bending on the part of the operator. Capacity, 3 quarts. Price $3.75.
1930

MARGLOBE WILT RESISTANT TOMATO

TOP NOTCH SEEDS