**Market Place and Buyers’ Guide**

Where reputable manufacturers and dealers list and describe their products. Greenkeepers are requested to write the Market Place for any special information they desire about supplies or equipment.

<table>
<thead>
<tr>
<th>Airport Drainage</th>
<th>Fairway Tractors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armco Culvert Mfrs. Association</td>
<td>International Harvester Co. of America</td>
</tr>
<tr>
<td>Wendell P. Miller and Associates</td>
<td></td>
</tr>
</tbody>
</table>

**Ant Control**

Royal Products Company

**Ball Washers**

J. Oliver Johnson, Inc.
Worthington Mower Company
Ideal Power Lawn Mower Co.
G. E. Lewis Company

**Ball Locators**

Worthington Mower Company

**Bent-Coos County State Sealed and Certified**

J. M. McCullough’s Sons Company
Seaside Bent Company

**Bent Seed—Cocos Creeping**

Stumpp & Walter Company

**Bent Seed—Prince Edward Island**

J. M. McCullough’s Sons Co.

**Bent Stolons**

Hubbard Nurseries
O. M. Scott & Sons Co.
Stumpp & Walter Co.
Ohio Humus Products Co.
Illinois Grass Co.
Hiram F. Godwin
Lyman Carrier

**Bluegrass—Seed**

J. G. Peppard Seed Company

**Brown Patch Control**

Stumpp & Walter Co.
J. Oliver Johnson, Inc.
Arthur D. Peterson
American Cyanamid Sales Co.
C. R. Delo Company
McCain Bros. Co.

**Charcoal**

Cleveland Charcoal Supply Company

**Cultivators (Disc)**

John H. Graham & Co., Inc.

**Cultivators (Spike)**

John H. Graham & Co., Inc.

**Drainage Engineers**

Wendell P. Miller and Associates

**Dump Carts**

Toro Mfg. Company

**Eating Grass**

J. G. Peppard Seed Company

**Fertilizers**

Armour Fertilizer Works
Cobwell Reduction Co.
Garden Supply Company

**Flag Poles**

Ideal Power Lawn Mower Company
Standard Mfg. Company

**Flexible Steel Mats**

J. Oliver Johnson, Inc.

**Fungicides**

Bayer-Semesan Company, Inc.
Sherwin-Williams Company

**Golf Architecture**

Charles Evans, Jr., and Associates

**Golf Course Construction**

Ohio Humus Products Co.

**Golf Equipment**

Stumpp & Walter Co.
Peter Henderson & Co.
Arthur D. Peterson
Ideal Power Lawn Mower Company
Lawn Equipment Corp.
T. W. Wood and Sons
Worthington Mower Company

**Grass Seed of Known Quality**

Tested for Purity and Germination

Write for Catalog

ARTHUR D. PETERSON
420 Lexington Avenue
NEW YORK CITY, N. Y.
Mr. Granger's report is typical of the many received from users of this "new-standard-of-performance" Toro mowing equipment. The past season has proved beyond question the amazing efficiency, speed and economy of the new Toro Master Mowing Outfits.

If you are faced with demands for lower maintenance costs, if you are not satisfied with results you are getting from your present equipment, then it will pay you to investigate the Toro line now, and get the facts and figures ready for the next meeting of your Board or Committee.

**Toro Manufacturing Company**

**3042-3160 Snelling Avenue**

**Minneapolis, Minn.**

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**Market Place and Buyers' Guide---**

- **Golf Flags**
  - Ideal Power Lawn Mower Company
  - Stumpo & Walter Company
  - Peter Henderson & Co.
  - Arthur D. Peterson
  - Philadelphia Toro Company

- **Grass Seeder**
  - The Root Mfg. Co.

- **Greens Fertilizers**
  - Armour Fertilizer Works
  - Synthetic Nitrogen Products Corp.

- **Greens Sprinklers**
  - Buckner Mfg. Co.
  - Double Rotary Sprinkler Co.
  - Dan F. Ryan

- **Hand Mower Blades**
  - Budd Mfg. Company

- **Hole Cups**
  - Standard Mfg. Company

- **Hole Cutters**
  - Ideal Power Lawn Mower Company
  - Lawn Equipment Corp.
  - Standard Mfg. Company

- **Hole Liners**
  - Chilton Crocker Company

- **Hole Liners**
  - Ideal Power Lawn Mower Co.
  - Arthur D. Peterson

- **Horse Drawn Mowers**
  - Pennsylvania Lawn Mower Works
  - International Harvester Co. of America
  - Worthington Mower Company
  - Ideal Power Lawn Mower Co.
  - Rossman Tractor Mower Co.

- **Hose**
  - Peter Henderson & Co.
  - Arthur D. Peterson

- **Humus**
  - Hyper-Humus Company
  - Ohio Humus Products Co.
  - Peter Henderson & Co.
  - Atkins & Durrow, Inc.
  - Garden Supply Company

- **Insecticides and Fungicides**
  - American Cyanamid and Chemical Corp.
  - Sherwin-Williams Company
  - Bayer-Semosan Company

- **Iron Pipe**
  - McWane Cast Iron Pipe Co.

- **Lawn Mowers**
  - Pennsylvania Lawn Mower Works
  - Toro Manufacturing Company
  - Worthington Mower Company
  - Ideal Power Lawn Mower Co.
  - The F. & N. Lawn Mower Co.
  - Jacobsen Manufacturing Company

- **Lime Spreaders**
  - International Harvester Co. of America

- **Mower Blades**
  - The Budd Mfg. Co.

- **Mowing Equipment**
  - E. G. St. A. Tractor Co.
  - Toro Mfg. Company
  - Pennsylvania Lawn Mower Works
  - Ideal Power Lawn Mower Co.
  - Worthington Mower Company
  - Arthur D. Peterson
  - International Harvester Co. of America

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**Putting Cup Illuminators**

- Mr. R. T. Granger, Supt.,
  - Newport Country Club,
  - Newport, R. I.

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**The Toro Master Seven mows our 18 holes in 6½ hours**

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**Toro Manufacturing Company**

**3042-3160 Snelling Avenue**

**Minneapolis, Minn.**

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**Roseman Tractor Mower Co.**

**The F. & N. Lawn Mower Co.**

**Jacobsen Mfg. Company**

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**Motor Trucks**

**International Harvester Co. of America**

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**Mower Sharpeners**

**Fate-Roes-Heth Company**

**Toro Manufacturing Company**

**Henry H. Doty**

**Palmer-Bee Company**

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**Nitrophoska**

**Synthetic Nitrogen Products Corp.**

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**Peat Moss**

**Atkins & Durrow, Inc.**

**Richard Gertetell**

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**Perforator**

**Philadelphia Toro Company**

**J. F. Buel**

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**Foa Annuas**

**J. M. McCullough's Sons Co.**

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**Power Mowers**

**Cooper Mfg. Company**

**Toro Manufacturing Company**

**Worthington Mower Company**

**International Harvester Co. of America**

**Jacobsen Mfg. Company**

**Ideal Power Lawn Mower Company**

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**Putting Cup Illuminators**

**Chilton Crocker Company**
To modify a heavy clay soil will require a great deal of sand. Yet a sandy soil will not require nearly as much clay in proportion to make it a sandy loam. A sandy soil, before it can be called sandy, has to contain 80% or more of separate sand. The balance could be all clay. A clay soil on the other hand can contain 30% or more of the separate clay, the balance can be all sand; thus only by adding 10% of clay, a soil may be changed from one extreme to the other.

**Soil Nutrients**

*(Concluded from page 9)*

**Making Soils Purposely Acid**

The best practical method for making soils purposely acid is to add sulphur. Crude sulphur flour is the material to use, at the rate of 7 to 13 pounds per thousand square feet. It has no burning effect on grass, and rather quickly changes to sulphuric acid in soil. All of the sulphur is changed to acid during one growing season.

A more rapid but expensive method is to add alum (aluminum sulphate) up to 6 pounds per thousand square feet. Alum is already acid and is at once effective. In buying this material, be sure to specify aluminum sulphate. The alum of trade contains potash, which ought to be left out of the picture. One might even use ammonium alum for the nitrogen contained. This would acidify soil just as much as ordinary alum.

Much the same condition applies in acidifying soil as in liming, namely that the acid-forming substance affects only that part of the soil with which it comes in contact. Such a condition no doubt accounts for the failure of continued sulphate of ammonia treatments to eliminate clover from greens. The acid has little or no effect on soil a few inches down where the clover roots thrive.