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ADELPHI customers are happy with its dark green color . . . its thick fine texture and its excellent resistance to drought, heat and cold. Also, it is completely free of noxious weeds.

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Minneapolis, Minn. 55413

VAUGHAN-JACKLIN CORP.
Bound Brook, N.J. 08805
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Post Falls, Idaho 83854

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Adelphi

(U.S. Plant Patent No. 3150)

The GREENER Kentucky Bluegrass




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- ✓ Progressive distributors
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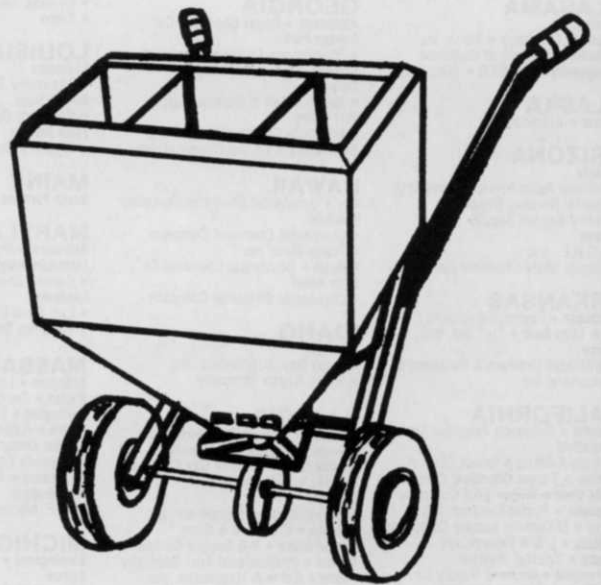
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HERE IS THE ANSWER YOU HAVE BEEN WAITING FOR, 1 TIME AROUND DOES IT.

Norman Lynd, owner of **Green Thumb Lawn Service**, located in Willow Grove, PA., has invented and is now manufacturing this conversion device* that will change a broadcast spreader into a combine, without spending thousands of dollars.



- A. Installation takes approximately one hour and you don't have to be a mechanic.
- B. Once installed, it can be removed in less than one minute for cleaning and put back together in one minute.
- C. Installation instructions and directions are included.
- D. The unit is made with rugged **stainless steel** and **aluminum**. (No rusting)
- E. All nuts and bolts for assembly are stainless steel.
- F. Because of the simplicity and ruggedness of this unit, it should never need replacement.
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- H. A common ruler is used for calibration settings
- I. Please allow **three weeks for delivery**.
- J. At this time, insert devices are available for **cyclone brand spreaders model #99-100 and 100B** only. If you want them for other types of spreaders, please send us MANUFACTURERS NAME, MODEL # of spreader and YOUR ORDER. Please allow **6 WEEKS FOR DELIVERY**.
- K. These units are not available from any other source at this time.
- L. Payment in full must accompany all orders before shipment is made.
- M. We will ship all orders via UPS in U.S.A. unless otherwise specified.
- N. Total price **\$50.00** per unit plus **\$5.00** per unit for shipping and handling.

Please make checks payable to
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2450 OLD WELSH RD.
WILLOW GROVE, PA 19090
TELEPHONE 215-657-6200

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Anywhere in U.S.A. Except PA.

800-523-2530

*PATENT PENDING

SOD PRODUCER NEWS

Warren's Turf Nursery acquired by Curran

The Curran interests of Crystal Lake, Illinois, have acquired ownership of Warren's Turf Nursery, Inc., headquartered at Palos Hills, a Chicago suburb, through transfer of stock certificates.

The Warren firm has nearly 5,000 acres of land under cultivation and is one of the largest growers of sod in the world. Currently, it is developing European and Asiatic, Australian and African markets for its patented grasses.

Warren's is the only turf grower with a research department that has led to the development of improved lawn grasses. The A-34 was the only one rated excellent by Michigan State University for wear tolerance, a quality which makes it particularly suitable for athletic fields and sports grounds. The A-20 is noted for its deep green color and disease resistance.

Besides new grasses, the firm's contribution to the turf industry includes turf handling equipment such as sod cutters, sod harvesters, and sod washing machines for the removal of soil from newly harvested sod. Soil removal results in a much lighter product, allowing lighter pay loads, and it enables newly planted turf to knit to the site soil more quickly.

Another innovation of Warren's is the vacuum cooling of sod on hot days. The cooling system lowers the temperature of newly harvested sod to just above freezing within about thirty minutes. The company has also pioneered in the dehydration and preservation of bluegrass clippings for poultry and livestock feed.

The Curran people who have acquired Warren's Turf Nurseries are diversified, with interests in paving, trucking, and railroad equipment. They have indicated that the management of the Warren organization will continue under the direction of the Warren brothers.

GREENBELT from page 43

ance of Professor Eric Arthur of Toronto, a noted architect and historian, who verified the authenticity of the 1870 construction date. The home is the focal point of the company's community relations program at the Lake Erie Works.

Stelco has already planted well over 100,000 trees and shrubs within their greenbelt system and these will be supplemented by many more, including 6,000 flowering varieties currently being grown at their on-site nursery. This nursery, incidentally, is located next to the old home that was restored.

The entire steelmaking development is surrounded by a greenbelt, which in places extends up to half a mile in width. The series of earth mounds, some up to thirty feet high, are but a few examples of the careful planning and millions of dollars spent on a greenbelt to make this one of the most environmentally attractive new steel plants on the North American continent. **WTT**



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The John Deere line of compact utility tractors keeps growing smaller.

Not long ago, it was possible to have a job that was a little too big for a garden tractor, and a little too small for a full size tractor to handle.

So we introduced two diesel-powered compact utility tractors: the 22-PTO-hp 850 and the 27-PTO-hp 950.

They were simple, reliable, sensibly-priced diesel tractors. And lots of people liked them.

So, then, we introduced a little bigger one: the 33-PTO-hp 1050.

And now, here come two more additions to our line of Task Master™ Tractors: the 14.5-PTO-hp 650 and the 18-PTO-hp 750*.

They're a little smaller and a little less powerful than the other three, but

they have many of the same big tractor features.

Because, like the others, they're not beefed up garden tractors. They're scaled down farm tractors. With plenty of clearance under the axles.

They also have fuel-saving, water-cooled, diesel engines. A transmission with 8 forward speeds and 2 reverse speeds. Differential lock. Rear power take-off. A Category 1 3-point hitch. Mechanical front wheel drive is optional. And you can get either traction tread or high-flotation tires.

Of course, one of the big reasons to buy a John Deere is the variety of power-matched attachments that go with it.

There are 5 different types of mowers, a front loader, backhoe, box scraper, post hole digger, rotary tiller, just to name a few.

Which means these small tractors can handle all kinds of jobs: from mowing to chores like plowing, tilling, augering, loading and digging.

And believe it or not, they're priced well within reach of the average weekend farmer or jack-of-all-trades.

So if you're one of those people who needs a tractor that can do more than cut grass, whether it's landscaping, groundskeeping or construction, take a look at the full line of Task Master Tractors at your John Deere dealer.

Better yet, take one for a ride.



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For more information, write John Deere, Dept. 67-68, Moline, Illinois 61265.

*Maximum PTO horsepower at 2600 engine rpm for the 650 and 850, 2400 engine rpm for the 750, 950 and 1050. All ratings by official test, except for the 650 and 750, which are factory observed.





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BRAND

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Pinto Wild Flower Mix . . . beautiful to look at and just as beautiful to maintain. Because wild flowers take care of themselves.

Pinto is a blend of perennials and annuals that reseed themselves. A painted picture of reds, pinks, blues, yellows and whites year after year. With such little maintenance.

Pinto Wild Flower Mix is ideal for industrial or recreational parks, golf course roughs, roadsides and home gardens. It's the perfect solution for areas that you prefer not to mow.

Pinto is available either as 100% wild flowers or as Meadow Mix combined with a fescue to aid soil stabilization. Varieties like Bachelor's Button, Chicory, Baby's Breath, Scarlet Flax, Painted Daisy and others are blended scientifically according to geographical location.

So whether you live in the North or South, you can have a Pinto Wild Flower Mix specially formulated for your climatic conditions. You'll get only those flowers which are adapted for your area.

Pinto Wild Flower Mix . . . the natural way to a permanent, beautiful landscape. For more information, or to place your Pinto order, call: John Morrissey or Marie Pompei at (800) 526-3890 in New Jersey. In Idaho call John Sours or Grant Jurgensen at (208) 773-7581.



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The Land Reclamation Report

Part of strip-mining law unconstitutional

A federal judge has ruled that parts of a 1977 federal law requiring coal-mine operators to restore strip-mined farmland to original condition are unconstitutional.

Judge James E. Noland in Indianapolis, IN, ruled that the law requiring coal-mine operators to identify prime farmland and its average crop yields, to remove and replace soil layers separately, and to restore the farmland to its previous fertility level violated the Tenth Amendment to the Constitution. The Tenth Amendment reserves to the states and individuals those powers that aren't specifically granted to the federal government.

The judge also struck down provisions requiring the Interior Department to determine that the coal-mine operator "has the technological capability" to restore the land and requiring the department to approve a use for the land after it has been mined.

Coal use leaps but industry still hurts

The U.S. used more coal in 1980 than originally predicted, but widespread unemployment and unused capacity still plague the industry, reports Newhouse news service.

Consumption of U.S. coal, both domestically and for export, was expected to grow to about 799 million tons in 1980, an increase of almost eight percent over 1979.

Greater use of coal by the nation's utilities and a booming export market accounted for the increased demand.

"Utilities, which account for over 70 percent of demand, are running existing coal-fired plants at higher capacity and are making use of new facilities," says Carl Bagge, president of the National Coal Association.

Bagge said 25 new coal-fired power plants were added in 1979 and another 30 were anticipated in 1980. In addition, a number of utilities, mainly in the East, are reducing their use of oil-fired power plants and are buying energy from coal-burning plants in the Midwest.

Two large projects planned for Midwest

The Office of Surface Mining will reclaim 15 abandoned coal mine sites in Pennsylvania at a cost of \$6.6 million

and 89 acres of abandoned coal mine lands in the Wayne National Forest in Ohio at \$1 million.

The Pennsylvania projects range in size from \$2.4 million to correct a massive subsidence problem in Scranton to a pair of \$14,000 projects to fill open mine shafts which threaten the safety of children in the Boroughs of Kingston and Duryea in Luzerne County. Eight of the 15 projects lie in the anthracite country.

The Ohio project, located about 50 miles from Columbus in Hocking County, focuses on land used heavily for recreation. Sediment and acid mine drainage from abandoned surface and underground mines have severely degraded the water quality of the Hocking River and Hocking Creek. Reclamation includes grading, installation of drainage facilities, soil treatment and sediment retention measures, and revegetation.

Interior funds coal land projects

The Interior Department's Office of Surface Mining will provide \$600,000 to reclaim an abandoned coal mine near Eagle Pass, Texas, which is located near a major housing development now under construction.

The funds will come from the federal share of reclamation fees collected from active coal mining operations as provided in the Surface Mining Control and Reclamation Act of 1977. Reclamation will include filling and permanently sealing the open shaft, burying the coal refuse material, grading to eliminate the steep slopes and gullies, and revegetating.

The office has also approved spending of \$240,000 to reclaim an abandoned coal mine and power plant site at Gomerco, NM. The reclamation plan is very similar to the Texas operation and also designated as priority because of the danger to public health and safety.



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A Real Success Story

Crabgrass control and proper feeding in one application.



Tee Time 20-4-10 fertilizer gives you an unbeatable combination of nutrients and pre-emergence herbicides for healthy growth and control of crabgrass and other grassy weeds.

20-4-10 gets your grass off to a healthy start in the early Spring. The combination of available nitrogen, controlled release nitrogen, and sulfur in 20-4-10 *stimulates initial color response without excessive growth*. The controlled release nitrogen, derived from sulfur-coated urea, doesn't require high soil temperatures or bacterial action to start working. Sulfur-coated urea is unique in that it releases its entire nitrogen content during

the same growing season to allow the grass full utilization of this major nutrient.

The 2:1 ratio of nitrogen to potash also contributes to the proven performance of Tee Time 20-4-10. The proper balance of potash aids the overall health of the grass, increasing resistance to drought, disease, and traffic.

To this carefully formulated product, we add Balan[®], Betasan[®], or Daethal[®] to provide a winning combination for proper feeding and pre-emergence control of crabgrass and other grassy weeds. Pre-emergence products perform as well when combined with fertilizer as when applied sepa-

rately, and sometimes even better. A one-step application can save you both time and labor.

Our 20-4-10 with Balan[®] and Dursban[®] goes even a step further by allowing you to add insect control to your feeding and weed-control program in a single application. That can mean even greater savings in time and labor.

You can switch to The Andersons' Tee Time products with confidence, knowing we spent 10 years developing and refining them. Try using one of our 20-4-10 crabgrass-control products as part of your overall program. One of them is just right for you.

Our distributors are

qualified to assist you in determining which of these fine products best suits your needs. If your present supplier does not carry The Andersons' Tee Time products, call us toll-free or write and we'll give you the name of your nearest distributor. You'll be glad you did.

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