

# Nobody else builds power rakes like Ryan.

For more than 18 years, the Ryan Mataway® and Ren-O-Thin® power rakes have set increasing standards of toughness, durability and performance. Here's why.

(1) The Mataway's self-propelled upmilling action and 19" swath lets you cover up to 10,000 sq. ft. per hour;

(2) Snap-in blade sets offer normal, wide or narrow slicing;



(3) A hefty 10-hp engine gives the Mataway muscle; (4) A micro-screw adjustment gives cutting depth control that's precise enough to deep slice greens accurately; (5) The Ren-O-Thin cuts a wide 18" swath; (6) A floating front axle follows the contours of your turf; (7) Choose the gutsy

7-hp Ren-O-Thin IV engine, or the economical 5-hp Ren-O-Thin III; (8) All Ryan power rakes are built to deflect debris from the operator as they power rake.

With operating costs constantly rising, you need to get the most out of every hour's wage you pay. That takes a dependable crew, using dependable equipment.

Like the Ryan Mataway and Ren-O-Thin.

Ask your Ryan dealer for a demonstration, and see for yourself how we build power rakes. **BO-CUR-4**



## Mataway & Ren-O-Thin Power Rakes

## RYAN® TURF-CARE EQUIPMENT

Day-In, Day-Out Performance

3033 Cushman  
P.O. Box 82409  
Lincoln, NE 68501

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# EQUIPMENT

## Ryan Turf Equipment

Ryan Turf Equipment, a division of OMC/Lincoln, has devoted effort to meeting the needs of sod producers longer than any other company. Since the late 40's, Ryan has manufactured and continuously improved its sod cutter, which dominated the industry into the 70's. During the late 60's it manufactured and marketed the Brouwer harvester until Brouwer assumed production and marketing responsibility in 1972.

Art Ryan designed the sod cutter produced originally by K & N Machine Works of St. Paul, MN. In 1950, K & N offered an 18-inch version, a step up from the original 12-inch model. The Ryan Junior sod cutter was designed in 1956. In 1963, K & N changed its corporate name to Ryan Turf Equipment Co.. Within the next five years, Ryan introduced the sod roller (1965) and the sulky roller (1968).

The Ryan corporate policy is "whenever improvements are made on any product, the improvement is designed so that it can also be adapted to the present machines in the field."



Heavy duty sod cutter (top) is an improved version of a 1947 model. Sod cutter with sulky roller (bottom) still meets the needs of many sod producers.

# EQUIPMENT

## Brouwer Turf Equipment Ltd.

The largest manufacturer of sod harvesters is the Canadian company Brouwer Turf Equipment Limited. A sod producer himself since the mid-60's, Gerry Brouwer began production of the Model A harvester in 1972. Brouwer still farms 1,500 acres of sod in addition to his rapidly expanding equipment business. The unit is designed to either roll, slab or fold and operates off the uncut turf which prevents tracks and turf damage. Brouwer recently announced production of a new line of harvesters, the Model 2000. This unit offers innovative features such as automatic steering, automatic empty pallet loading and four-wall stacking area. It can harvest 2,000 sq. yds. per hour with minimal waste.

Brouwer also makes the light weight Hitch-Hiker fork lift, a side-unloading grass collector, a turf roller, and PTO gang mowers. The company recently established a sales office in Europe to meet sales and service demands of overseas sod producers.



**Model 2000** is the newest Brouwer harvester featuring automatic steering and empty pallet loading (top). Model A harvester is used by more sod producers than any other harvester.

# Keep plantings, trees, shrubs, sod and indoor plants healthy with

# WILT PRUF

ANTI-TRANSPIRANT



WILT-PRUF, the proven anti-transpirant for over 30 years, protects against plant damage due to winter kill, transplant shock, wind burn, drought and air pollution. WILT-PRUF forms a protective coating holding in moisture on plant stems and foliage substantially reducing water loss during periods of excessive evaporation.

WILT-PRUF meets FDA specifications for use on edible crops; is 100% organic and biodegradable. Comes in convenient sizes: Pint, Quart, Gallon, 5-Gallon, 55-Gallon and 16-oz. Redi-Spray can.

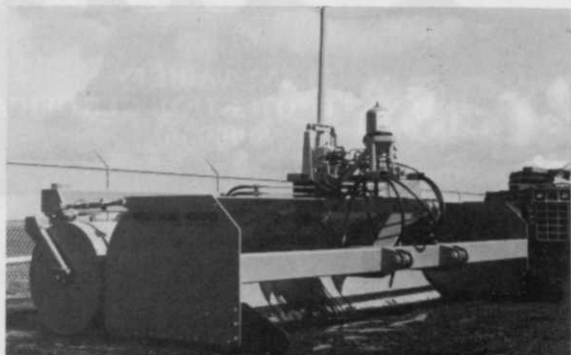


For more information call or write Dep't WTT  
**WILT-PRUF PRODUCTS**  
 Formerly Nursery Specialty Products  
 P.O. Box 4280, GREENWICH, CONNECTICUT 06830  
 From the makers of SPRAY-STAY Sticker-Extender

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# EQUIPMENT

## Nunes



Laser scraper

The two largest forces in sod in California are Nunes and Cal Turf, now part of American Garden Products, recently acquired by Amfac. The two people behind the firms are Tobey Grether of Cal Turf and John Nunes of Nunes Turfgrass Nurseries. Grether sold his interest in the 70's. But John Nunes and his son Greg manage 1,500 acres of sod, orchards, and diversified row crops, as well as Nunes equipment line.

Nunes manufactures a line of sod equipment including a harvester, vacuum sweeper, rotary mower, sod netter and a laser land leveler.



Rotary mower

Although distribution of its Kentucky bluegrass and bermudagrass sod is regional, its distribution of equipment is international. The company is headquartered in Patterson, 90 miles east of San Francisco.

Nunes also has "Instant Grass Centers" in nine California cities to market its sod and other landscape materials. This marketing effort certainly gets the idea of sod across to potential customers. It may be one of the reasons sod is so well accepted in California.

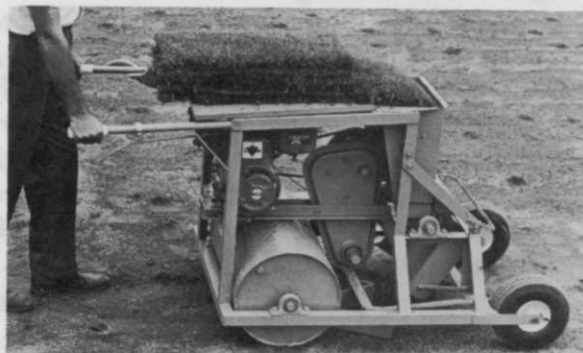
## Beck's Manufacturing Company



Big Roll Harvester

A unique answer to the sod harvesting and handling situation is Beck's Big Roll. This system harvests three 16-inch rolls of sod simultaneously and can lay them the same way. The sod is rolled onto cores which are handled by a carpet pole like device. This core permits handling by cranes and adapted forklifts. It also permits laying with a tractor three rolls at a time.

Beck Manufacturing Company is a division of Beck's Turf Nursery, one of the earliest producers



Sprig Planter

of zoysiagrass in the country. Another product of Beck's is Lawn-O-Matic sprigger which sprigs or plugs three 8-inch rows at once.

The Big Roll system is available on a franchise basis only. This guarantees a territory for the franchisee. The Beck Manufacturing Company and Turf Nursery is located in Auburn, Alabama.

NEW ...from Princeton



## The "Piggyback" Material Handler

**It's Powerful ... Safe ... Versatile!**

Princeton's mighty "Piggyback" has solved many of the problems that have always plagued heavy-duty, field quality material handlers. The remarkable "Piggyback" is light...strong...fast...durable...AND completely stable on the job!

The Piggyback will lift and load up to 4500 lbs. at a time ... turn quickly in its own length ... navigate curbs, logs, and other obstacles with ease...trudge through gravel, sand and mud, but float over normal soil...and then load itself onto your truck for a piggyback ride home at the end of the day.

### How is it Possible?

The Princeton "Piggyback" provides an extremely low ratio of weight to carrying capacity...with complete stability. Stability is achieved by carrying the load weight between the drive wheels instead of in front, as with other fork lifts, and by special hydraulic stabilizer legs. Load is lifted to truck bed height, then rolled over truck bed by a horizontal carriage. Heavy-duty high torque wheel motors allow the "Piggyback" to operate on steep grades or in adverse ground conditions and to drive easily over normal loading area obstructions while fully loaded.

The Piggyback's 28 h.p. Murphy 2-cylinder diesel provides superior power for all adverse operating conditions.



Loaded for Piggyback ride home.

For additional information or demonstration, write, or call collect:

Rodger Osborne, Sales Manager  
955 W. Walnut St., Canal Winchester, Ohio 43110  
(614) 837-9096

Dealer/Distributor Inquiries Invited

The "New Concept" People

**princeton**  
mfg.  
company

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# EQUIPMENT

## Princeton Turf Equipment

Princeton Turf Equipment originated under the cooperative efforts of Woodrow Wilson of Eastside Nursery in Canal Winchester, Ohio, and Wiley Miner of Princeton Turf Nurseries in New Jersey. Miner displayed the harvester during a turf field day at Rutgers in 1966. An improved version of that harvester became the first Princeton harvester. Today, Princeton has a number of models of harvesters, including an extremely sophisticated large harvester with enclosed cab and minimal sod handling needed. In addition to harvesters, Princeton manufactures a fork lift called the Piggyback and a harvester that is attached to the tractor in an easily detachable hitch arrangement freeing the tractor for other duties. It also makes a turf vacuum and a stolon planter. Princeton designs to serve both cool and warm season sod production.

Wilson says that every harvester he has ever sold is still in use today, attesting to the reliability of his product.



Princeton harvester can harvest up to 2,500 square yards per hour and has a floating cutterhead for cutting in mineral or peat soils and in rolling conditions.

The advantage of the Princeton harvester is that the weight of the machine is over the blade, not to the side, according to Wilson. He attributes this and other design advantages to the success of the Princeton harvester. Wilson continues to work on improvements to his harvesters and to develop and manufacture other pieces of sod equipment, such as the fork lift, grass vacuum, and sprigger.