

**UNIVERSAL**

# Wheel Pump SPRAYER



**It pumps  
as it's  
pushed!**

## For Turf Care!

The Universal wheel pump sprayer milks out a measured amount of solution in a heavy residual spray as it is pushed over the turf. Each nozzle spreads a 24-inch path of solution at the approximate rate of one gallon per 1,000 sq. ft. No other sprayer like it. Made especially for expert turf care. Ideal for irregular shaped lots and lots too small for your power rig. Soon becomes one of your most often used pieces of lawn equipment. 7-gal. and 3-gal. sizes.

*Write for complete information and prices.*

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**UNIVERSAL METAL PRODUCTS DIV.**  
LEIGH PRODUCTS, INC., SARANAC, MICHIGAN

## Deep Growth, Herbicides Help Tree Root Control

Shade trees with shallow roots in lawn areas often cause aggravating problems in turf maintenance. Grass growth may be unsatisfactory because of competition for water and nutrients, sprouts may come up in the lawn, and the tree's roots may develop so close to the surface that they cause ridges in the lawn.

Tree roots tend to grow wherever soil conditions are most favorable; if lawns are kept sprinkled and fertilized, but the lower soil levels neglected, conditions are created that promote surface development of tree roots.

To encourage deeper root penetration the National Arborist Association suggests that fertilizer, and water as needed, be applied in the normal root zone some 15 to 20 inches below the soil surface.

Herbicidal chemicals may be used to advantage. The common weedkiller 2,4-D, may be sprayed on the foliage of the sprouts, or 2,4,5-T, a brush-killing compound, may be applied to the leaves and stems. Used at the proper rates, as given on the container label, these materials will not injure grass, but will kill the sprouts and usually a section of the roots.

If the tree stands near the border of a lawn, a trench may be dug 10 to 12 inches deep and a barrier placed to prevent roots

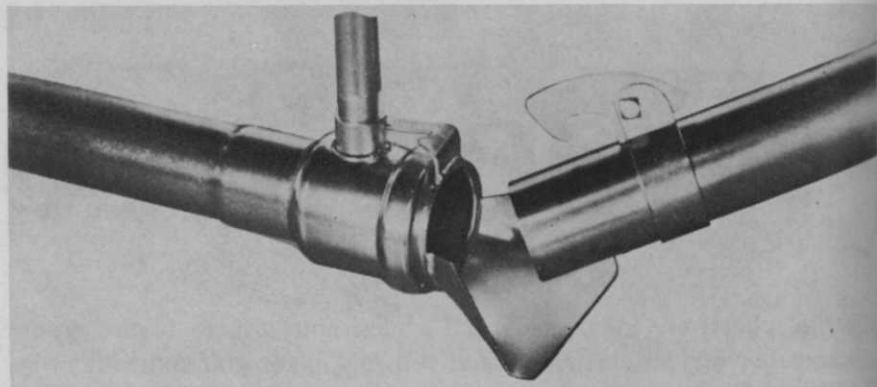
entering the turf area. The barrier may consist of several layers of asphalt roofing paper placed upright, or sheet aluminum may be used. Such barriers are long lasting and generally quite effective.

## Rohm & Haas Booklet Describes Turf Diseases

A new 16-page booklet on turfgrass diseases is available from Rohm and Haas Co., developer of the dithiocarbamate fungicide, Fore. With full-color photos of typical disease symptoms, the publication describes 10 major turf diseases the company says can be controlled by Fore.

Titled "Fore in the Control of Turf Grass Diseases," it gives a preventative spray program for control of *Helminthosporium* melting out, *Rhizoctonia* brown patch, dollar spot, *Pythium* blight, *Fusarium* patch, *Fusarium* blight, red thread, copper spot, slime molds, rusts, and algae. Fore, said not to be injurious to grasses, has been tested by numerous experiment stations and golf courses in the eastern, central, and southern areas of the U. S. Fore as a control of certain ornamental diseases is also recommended.

For copies of the publication, AG-232, write the Agricultural and Sanitary Chemicals Dept., Rohm and Haas Co., Independence Mall West, Philadelphia, Pa., 19105.



**Press-in steel couplers** and fittings make it easy for turfmen to hook up a portable sprinkling system or temporary water transport line, according to John Bean. These fittings are available for use with 2" to 6" aluminum tubing. Features are said to include a bell-shaped coupler for greater angularity, tapered section on fittings to prevent cocking, one-piece construction of riser valves for economy, and sweep forming of elbows to reduce friction losses. Interested readers should request catalog W-362 when writing to the John Bean Division, FMC Corp., for complete details. Address Shur-Rane Dept., Box 9490, Lansing, Mich. 48909.