

# New Products and Equipment . . .

## Granular Diazinon

Geigy Agricultural Chemicals is introducing a granular formulation of Diazinon. The new product has been designated as Diazinon 2<sup>1</sup>/<sub>2</sub>G and is being recommended for the control of onion maggots.

A tolerance of 0.75 p.p.m. has been established for onions, which means that Diazinon may be used for the control of onion maggot on green onions, onion sets, dry onions, and onions grown for seed. This product is also promising for the control of carrot rust fly, and a petition is now pending for the establishment of a tolerance for Diazinon insecticides on carrots.

Geigy recommends its new granular formulation as a furrow treatment applied at the time of planting.

Further information is available from Dept. A&F, Geigy Agricultural Chemicals, Division of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.

## Vacuum Evaporator

A low-temperature vacuum evaporator is being offered by Tower Iron Works. Called the Tower-Anhydro, it is made entirely of stainless steel in both production and laboratory sizes. The manufacturer states that it is especially suited to the processing of heat-sensitive or foaming materials because of the low temperatures required.

Complete details and specifications can be obtained by writing Dept. A&F, Tower Iron Works, Inc., Providence, R. I.

## Rodent Cage of Fiber Glass

A rodent cage of molded fiber glass and polyester resin is being made by American Plastics Corp., a subsidiary of Heyden Newport. The cage combines a desirable strength-weight ratio with smooth, sanitary surfaces and ease of cleaning. The housing is resistant to highly corrosive animal wastes and to the high temperatures and moisture needed to clean and sanitize cages. The removable grid cover and feeder is of stainless steel.

More information is available from Dept. A&F, American Plastics Corp., 342 Madison Ave., New York, N. Y.

## Pre-Emerge Spray Kit

A spray kit that can be fitted to any row crop planter for spraying pre-emergence herbicides at the time of planting is being made by Tryco Mfg Co. The kit consists of special mounting brackets that fit any planter

and adjust to any angle, stainless steel line strainer, hoses, clamps, and other necessary fittings. Kits are available for two-, four-, and six-row planters. Barrels can be mounted on the side of the tractor, on the planter, or on a rear tractor-mounted barrel carrier available from Tryco.

Complete information is available from Dept. A&F, Tryco Mfg. Co., Inc., 1600 N. Calhoun St., Decatur, Ill.

## Soil Tester

Kel Engineering & Equipment Co. announces development of a soil tester that measures soil pH and soil moisture content.

The tester is 6.5 in. long and weighs 8 oz. It can be carried in a leather case and attached to the user's belt. To use, the tester is placed vertically into the soil. The pH value is indicated on the upper part of the meter. Once this reading is obtained the button on the side of the tester is pressed to obtain the moisture reading on the lower part of the meter.

For more information write Dept. A&F, Kel Engineering & Equipment Co., P. O. Box 744, New Brunswick, N. J.

## Granular Simazine

A granular formulation of Simazine pre-emergence herbicide is available from Geigy. It is Simazine 4G (4% granular). It can be applied by hand or by mechanical spreader.

More complete data can be obtained from Dept. A&F, Geigy Agricultural Chemicals, Division of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.

## Acid-Resistant Thread for Paper Bag Closure

An acid-resistant thread for the manufacture and closure of multiwall and waterproof bags has been developed by Bemis Bro. Bag Co. Golden-Ply, as it is called, is composed of a combination of cotton and highly acid-resistant synthetic filament yarns.

It is manufactured in a single construction for use in both the needle and looper of the sewing machine. This eliminates the need for separate stocks of thread and prevents inadvertent cross-threading. The thread is said to offer excellent balance of twist, tensile strength up to 16.5 lb., and alkali, as well as acid, resistance.

Sample one-pound cones of Golden-Ply Acid-Resistant Thread are available upon request to Dept. A&F,

Bemis Bro. Bag Co., 408 Pine St., St. Louis 2, Mo.

## Iron Chelate

Geigy Agricultural Chemicals has announced commercial introduction of Sequestrene 138 Fe iron chelate for use in correcting deficiencies of iron in growing plants. It has been extensively field tested in Arizona and California for correcting chlorosis of citrus and avocados.

More data are available from Dept. A&F, Geigy Agricultural Chemicals, Division of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.

## Fenuron Pellets

A pelleted formulation of fenuron, a substituted urea herbicide, is being introduced by Du Pont for use in brush control. The nonvolatile pellets can be used near sensitive crops, and they are said to be noncorrosive, nonflammable, and nontoxic to people or animals when used as directed. Called Dybar, the 1/<sub>8</sub>-in., cylindrical pellets can be scattered by hand, or applied with a spoon at the base of individual stems or clusters. They are recommended for use against post oak, blackjack oak, winged elm, and 22 other woody species.

Further information is available from Dept. A&F, Du Pont Co., Wilmington, Del.

## Infrared Analysis

A double-beam, automatic-recording infrared spectrophotometer has been developed by Perkin-Elmer.

It is called the model 221 infrared spectrophotometer.

Among the features of the model 221 are an automatic gain control system and a programed scanning speed system.

The automatic gain control system provides increased spectral information in regions of heavy sample, solvent, or other background absorption. It is important in the area of differential analysis, and where precise performance in regions of high atmosphere absorption is required.

The programed scanning speed system provides optimum speed for a given resolution program. The instrument scans at an approximately equal time per spectral slit width to maximize the information recorded in each spectral region.

Further information can be obtained from Dept. A&F, Perkin-Elmer Corp., Norwalk, Conn.