

# New Products and Equipment . . .

## Selector Plug Controls Left- or Right-Hand Spraying

Spraying Systems' DDOC DocJet Tips, used for broadcast spraying, can be easily set for left-hand or right-hand spraying with the new No. 7627 selector plug. This plug is made of molded rubber and designed with index tabs for easy, accurate positioning. It fits in the inlet side of the tip and acts as a control gasket. Either side of the tip nozzle may be blanked off as controlled by placement of plug.

For information write to Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.

## Amino Acid Photometer

A recording flow photometer that can be used to determine amino acids and other amino compounds is announced by Phoenix Instrument Co. With this photometer it is possible to record automatically the concentrations of blue and yellow colors produced by ninhydrin reagent in the effluent from chromatographic ion exchange columns. The complete assembly consists of three individual

photometer units and a flow-type absorption cell that traverses all three photometer units to monitor the stream at two wave lengths.

For details, write Dept. A&F, Phoenix Precision Instrument Co., 3803-05 N. 5th St., Philadelphia 40, Pa.

## Allyl Chloride

Allyl chloride has been added to Dow's product line at its Texas Division.

Allyl chloride, a bifunctional chemical intermediate, reacts through the chlorine atom or the double bond. The reactivity of each functional group is enhanced by the presence of the other, so that the reactions of allyl chloride are characterized by rapidity and completeness.

Among important derivatives being made from allyl chloride are allyl alcohol and allethrin.

Further data are available from Dept. A&F, Dow Chemical Co., Midland, Mich.

## Atomizing Nozzles Give Fine, Hollow-cone Mist

A line of atomizing nozzles has been introduced by Schutte & Koerting Co. for general service in operations where liquids in small quantities, not over about 3 gal./min., are to be sprayed as fine mists. These nozzles are designed to produce fine, uniformly atomized, hollow-cone sprays.

Designated as Fig. 661 atomizing nozzles, they are available in 15 orifice sizes which provide a wide range of capacities.

Bulletin 6A-661, which presents capacity curves and dimensions, can be obtained by writing to Dept. A&F, JA-15, Schutte & Koerting Co., Cornwells Heights, Bucks County, Pa.

## Liquid Arasan

A liquid suspension of thiram, for slurry treatment of seed and for use as a paint or spray repellent against rodents, rabbits, deer, and birds, has been developed by Du Pont. Called Arasan 42-S seed disinfectant and protectant, the product is a stable suspension of extremely fine particles of thiram, containing four pounds of active material per gallon of product. It can be used wherever slurry treatment of seed with Arasan is recommended.

For slurry treatment it is used at rates ranging from 2.75 to 11 pt./gal. of water. At these rates 1 gal. of Arasan 42-S will treat 3.2 tons of bean seed.

Use of thiram for treatment of nursery stock, fruit trees and forest seedlings to repel rodents, rabbits, deer and birds has developed during the last several years. The natural sticking qualities of the new product eliminate the need for a sticking agent when it is used undiluted for this purpose. The small particle size and smooth, stable suspension permit a concentrate spray made with this material to flow readily through common types of spray nozzles.

For more information, contact Dept. A&F, Du Pont Co., Wilmington, Del.

## Cattle Spray

An emulsifiable concentrate containing toxaphene and BHC for control of insects on livestock, or barns and poultry houses is announced by Globe Laboratories. To be called Glo-Tox, it is mixed with water (1 qt. in 40 gal.) to kill ticks, hornflies, and lice on cattle, and fleece worms and ticks on sheep. At the rate of 1 qt. to 120 gal. of water, it kills lice and keds on sheep and goats. Glo-Tox can also be used with a back rubber.

For further information, write Dept. A&F, Globe Laboratories, 358 Majestic Bldg., Fort Worth, Tex.

## Mobile Blender

A mobile blender that blends and spreads three fertilizers at the same time is announced by Highway Equipment Co. The operator can change the fertilizer ratio for varying soil conditions, as determined by soil tests, while in the field.

Three separate feedgates, each with a test box for accurate metering, control the amount of spread. A 7-hp. gasoline engine drives the distributor fan assembly at a constant rate, regardless of truck speed. The 36-in., belt-over-chain conveyor is powered from the drive-shaft-drive, synchronized to truck speed for precise application. Twin spinners provide a uniform spreading pattern to both sides of the truck.

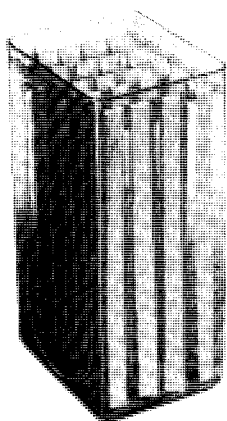
Optional attachments include a powered flow-divider that assures even distribution of material to twin spinners, regardless of position of the L-42S mobile blender on hillside or level ground.

Also available is an auxiliary hopper that meters and mixes granular pesticides or trace minerals into the fertilizer.

For more information on the L-42S Mobile Blender, write Dept. A&F, Highway Equipment Co., A25-1, 616 "D" Ave. N. W., Cedar Rapids, Iowa.

## PAPER CHROMATOGRAPHY EQUIPMENT

### Specialized apparatus and accessories



- Eluting apparatus
- Reagent sprayers
- Stainless steel & Glass apparatus for paper strip Chromatography
- Ultraviolet lamps
- Micro pipets

Write for Catalog K-25

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