

New Products and Equipment . . .

Compound Mixed with Other Chemicals Forms Zineb, ETS

Roberts Chemicals, Inc., is offering diammonium ethylene bisdithiocarbamate under the brand name Amobam for control of rust mite on citrus and for aid in control of melon worm and pickle worm on squash and pumpkins. Amobam is used by mixing with zinc sulfate to form zineb in the spray tank. The company also suggests use of Amobam as a soil fungicide.

It claims that these uses do not infringe the Hester re-issue patent which is restricted to the use of alkylene bisdithiocarbamate salts for control of fungus by applying to living plants only.

Amobam can also be mixed with calcium hypochlorite to form ethylene thiuram sulfide, a fungicide useful for control of brown rot on peaches and cherries, apple scab, and other diseases.

Technical data and samples are available from Dept. A&F, Roberts Chemicals, Inc., Nitro, W. Va.

Trigger Valve for Turn-Handle Spray Guns

A trigger valve is announced by Spraying Systems Co. for use with turn-handle-type spray guns, giving to these guns the convenience and ease-of-handling characteristic of trigger action control. Positive shut-off is provided for pressures up to 800 lb./sq.in. Named No. 46 trigger valve, this unit features a heavy duty valve assembly, employing packing and packing nut for a leakproof seal. The large trigger handle, formed to give comfortable "full hand" grip, is made of plated steel. A heavy duty trigger lock for spraying in open position is locked by a touch of the index finger . . . and releases as soon as the trigger is pressed. The No. 46 trigger valve is also supplied with adapters for directly connecting nozzles and extensions to make the unit a low cost, handy spray gun.

For complete information write for Bull. 88 to Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.

Boom Control Valve for Agricultural Sprayers

A new series of boom-control valves has been added to the Delavan line of agricultural sprayer products. This valve will be called the 5600 series.

The new valve incorporates all of

the features available in the 2800 series plus the added advantage of a $\frac{3}{8}$ in. accessory or hand-gun outlet. The 5600 series is available with $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, and $\frac{3}{4}$ in. inlet and bypass openings. The available outlet sizes are $\frac{3}{8}$ and $\frac{1}{4}$ in. Each valve is provided with a $\frac{1}{4}$ in. gage outlet. It is constructed of die-cast aluminum and stainless steel. Internal seals are a combination of stainless steel and a plastic material resistant to the corrosive effects of agricultural chemicals.

For complete data on this new boom control valve write to Dept. A&F, Delavan Mfg. Co., 811 Fourth St., West Des Moines, Iowa.

Split-Eyelet Spray Nozzles and Connectors

A newly designed group of split-eyelet spray nozzles and connectors for mounting to spray booms is offered by Spraying Systems Co. Because the clamp components are separate from the spray nozzle or connector parts, cadmium plated heavy steel that will not bend or break is used for the clamp for strength, and corrosion-resistant metals such as brass, aluminum or stainless steel are used for parts that touch chemicals. As a result, over-all cost of these units is held to a minimum. These split-eyelet units are supplied as No. 7421 TeeJet split-eyelet spray nozzles and as No. 7521 TeeJet split-eyelet connectors, and sizes are offered to fit all standard spray-boom piping and tubing.

For complete information write for Bull. 89 to Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.

Fat-Enriched Soybean Meal

Standard fat-enriched, dehulled soybean meal is a new feed ingredient being produced by Standard Feed & Fertilizer, Inc. It consists of 20% stabilized animal fats and 80% dehulled (50% protein) solvent extracted soybean oil meal. It is a dry, dust free, golden colored grain product packed in 100 pound burlap sacks. Containing 20% fat and 40% protein this low fiber, high energy ingredient is designed for use in the latest formulations.

Literature discussing the uses of stabilized animal fats in feeds and describing standard fat-enriched feed ingredients is available upon request from Dept. A&F, Standard Feed & Fertilizer, Inc., 3456 N. Buffum St., Milwaukee 12, Wis., together with a

feed ingredient calculator listing the energy contents, amino acids, and analyses of common feed ingredients.

Kits Permit Use of Liquid Seed Treatments in Dust Machines

Panogen Co. has announced a series of five "dust-to-Panogen" conversion kits. With the help of one of these kits, the owner of a dust treater, grain-loading auger, or any other system which adequately mixes seed, can use liquid Panogen seed treatment.

These kits are designated models DTC-2, 3, 4, 5, and 7.

The model DTC-2 conversion kit is designed for gravity feed from elevated drums or containers. It consists of a panel with constant-level reservoir, shut-off valve, sight-feed needle valve for metering liquid, drum fixtures, hose, and fittings. It may be used on any standard dust treater or grain auger.

Models DTC-4 and DTC-3 are designed primarily for use where the container of liquid is in a high or otherwise inaccessible location. The DTC-4 is equipped with an electrically controlled, and the DTC-3 with rope-controlled shut-off valve.

Model DTC-5 has no reservoir since the liquid is circulated by pump rather than gravity. The DTC-7 is recommended mainly for farm use or low-volume custom treating. Mounted directly on the shipping container, it meters and delivers liquid to a grain auger or other grain-moving device by hose.

For further information, write to Dept. A&F, Panogen Co., Ringwood, Ill., for Bull. No. 7-35.

Zinc Chelate for Deficiencies

Dow Chemical is introducing a new chelating compound designed for treating zinc deficiency in avocado orchards or deciduous trees of the Northwest. The compound is to be sold under the trade name Versenol Z.

The company also announces that it has given new names to all the products in its chelate line. Under the new nomenclature, Versenol iron chelate will be known as Versenol F, Versenol iron chelate on vermiculite will be Versenol FA, Versene iron chelate will be Versene F, and Versene iron chelate on vermiculite will be Versene FA.

Further information can be obtained from Dept. A&F, Product Information Service, Dow Chemical Co., Midland, Mich.