

New Products and Equipment . . .

2,4-D in Paste Form

Stauffer Chemical announces it is making a paste form of 2,4-D, and marketing it in the North Central and Pacific Northwest states. The company says this formulation is particularly useful in controlling severe weed conditions.

Low volatility is its most important feature, says the company. It can be safely used to kill broad leaf weeds between grape rows and on lawn areas adjacent to susceptible vegetable plantings. It has also been applied along roadsides, where low volatility is essential to prevent damage to ornamentals nearby. The paste formulation of 2,4-D acid is cited as being as effective as 2,4-D ester formulations and as safe to use near susceptible crops as 2,4-D amine formulations.

For further information, write Dept. A&F, 380 Madison Ave., New York 17, N. Y.

Insect Repellent

An insect repellent called Tabutrex is being introduced by the newly formed Glenn Chemical Co. Chemically, it is di-*n*-butyl succinate. It is said to repel house and biting flies, German, American, and Oriental roaches, and household ants. There are indications it may also effectively repel lone star tick, night flying insects, box elder bugs, confused flour beetles, termites, and drosophila.

The acute oral LD₅₀ on rats was about 8000 mg./kg. and on rabbits no toxic effects were observed at 10,000 mg./kg. Tabutrex has been registered with USDA for use on dairy and beef cattle to repel house and biting flies, and as a roach and household ant repellent.

Formulations with oleic acid are found to make repellency last longer, the company says. Laboratory work indicates that Tabutrex may be synergistic with DDT, methoxychlor, and Perthane when used against houseflies.

Further information on formulations can be obtained by writing Dept. A&F, Glenn Chemical Co., 2735 N. Ashland Ave., Chicago 14, Ill.

Seed Protectant

A seed protectant containing methyl mercury and 8-hydroxy-quinolate is being offered by Calspray for use on cereal grains such as wheat, oats, and barley. Called Ortho L M seed protectant, the product controls seed- and soil-borne diseases. Available as a concentrated liquid, it is said to be

able to penetrate minute cracks in the seed coat because of its vapor action.

Calspray spokesmen point out that it is pleasant to work with, because it is far less flammable than standard mercury seed treating products and because it has a mild, pleasant odor. It is dyed red to contrast with the seed.

For further details, contact Dept. A&F, California Spray-Chemical Corp., Richmond, Calif.

Three Fertilizers by Davison

Three fertilizer formulations for farm use are being introduced by Davison Chemical. They are called Dav-Gro (20-20-20), Start-Rite (10-52-8), and Davco Gold (15-15-15).

Dav-Gro and Start-Rite are both water soluble, while Davco Gold is a granular formulation. Dav-Gro is designed for vegetables, citrus and other fruit trees, truck gardens, and field crops, and for either root or foliar feeding. It contains minor elements, also. Start-Rite is especially formulated for preparing transplanting solutions. Davco Gold is colored gold to emphasize the company's contention that it is "worth its weight in gold."

Further details are available from Dept. A&F, Davison Chemical Co., Division of W. R. Grace & Co., Baltimore 3, Md.

Solubilizer for Vitamins, Chlorinated Insecticides

Poly-Tergent J-500, one of a series of nonionic surface active agents being introduced by Olin Mathieson, can be used as a solubilizer for water-insoluble oils such as vitamin oils, and for some of the chlorinated insecticides. It is an aliphatic polyoxyethylene ether alcohol, a clear liquid with low viscosity and mild, pleasant odor. More information can be obtained from Dept. A&F, Olin Mathieson Chemical Corp., 460 Park Ave., New York 22, N. Y.

Converts Anhydrous to Aqua

A package unit for converting anhydrous ammonia to aqua ammonia solutions has been added to the line of liquid fertilizer processing units of the chemical plants division of Barnard & Leas Mfg. Co.

The continuous flow unit, called the B&L Converter, consists of a plate-type evaporative cooler with the cooling pump mounted horizontally; level controlled after cooler basin; tubaxial induction cooling fan; reaction jet; specific gravity hydrometer; thermometer; and pressure gage. It is

available with fully automatic controls or for operating manually.

Further information is available from Dept. A&F, Barnard & Leas Mfg. Co., Inc., 1216 12th Ave., Cedar Rapids, Iowa.

Thiram

Aceto Chemical Co., Inc., is offering Thiram fungicide (tetramethyl thiuram disulfide) with a purity of 99.5% and in micronized particle size. Technical data, prices, and samples are available from Dept. A&F, Aceto Chemical Co., Inc., 40-40 Lawrence St., Flushing 54, N. Y.

Skin Protector for Fertilizer, Farm-Chemical Workers

A protective coating for skin, said to be particularly useful to workers in fertilizer and farm-chemical processing, is announced by Milburn Co. Called Ply no. 9 Gel, it consists of a plastic dispersed in gel form in a water base. After application, the water evaporates, leaving a film said to be impervious to phenols, hexanes, coal tars, dry and oil-based insecticides, weed killers, and crop dusts. It is attacked by acetone, and methyl and ethyl alcohols. The film is said to be mechanically tough.

More information is available at Dept. A&F, Milburn Co., 3246 E. Woodbridge, Detroit 7, Mich.

Milk Proteins for Supplementing Cereals

Sheffield Chemical announces a series of concentrated milk proteins for nutritional supplementation of cereals, flour, pharmaceuticals, baby foods, and geriatric diet preparations. Called the Sheftene series, the products include C2 edible casein flour (soluble), C2 edible casein, calcium caseinate, and Sheftene 60. All four products have a high protein content (up to 90%) and provide all eight essential amino acids in proper balance.

Further data can be obtained from Dept. A&F, Sheffield Chemical, Norwich, N. Y.

Pyrrolidine

Ansul Chemical is offering pyrrolidine on a commercial basis. The compound undergoes reactions typical of secondary amines and is said to have potential applications in the manufacture of insecticides.

Samples and more information are available from Dept. A&F, Ansul Chemical Co., Marinette, Wis.