

# New Products and Equipment . . .

## Soil Sterilizer for Greenhouses

Plant Protection, Ltd., is introducing Sistan, a chemical soil sterilizer for use in greenhouses. The company says Sistan controls disease, nematodes, and weed seeds. It is said to be particularly effective against spores and mycelium of *Verticillium*, *Fusarium*, *Didymella*, and *Colletotrichum*. (The latter is associated with "corky root," against which formaldehyde is said to have little effect.) Sistan is also effective against root knot and potato nematodes.

The chemical can be applied by injection or by diluting it and sprinkling it on to the soil. The recommended rate is 110 gallons per acre.

The chemical nature of Sistan was not revealed.

Further information can be obtained by writing Dept. A&F, Plant Protection, Ltd., I. C. House, Millbank, London, S.W. 1.

## Soil Conditioner in Best Fertilizer Pellets

Best Fertilizers has announced a new formulation for its pelleted garden and lawn fertilizer. An 11-8-4 formulation, Best Pellets retain a guaranteed minimum of 11% nitrogen, 8% phosphoric acid, and 4% potash. The new change in Best Pellets includes an addition of 23% soil conditioner, plus needed trace elements to correct soil deficiencies.

Further information is available from Dept. A&F, Best Fertilizer Co., 1459 3rd St., Oakland, Calif.

## Labeled Methionine

Doubly labeled L-methionine (methyl- $C^{14}D_3$ ) is now available from Research Specialties Co. Recent reports in the literature indicate that this amino acid, labeled with both carbon-14 and deuterium, is proving useful in studying the mechanism of ergosterol.

For additional information, write Dept. A&F, Research Specialties Co., 2005 Hopkins St., Berkeley 7, Calif.

## Tabutrex Formulations

Prentiss Drug & Chemical announces commercial availability of Prentox Tabutrex, Prentox Pybutrex Concentrate No. 20, and Prentox Pybutrex Concentrate No. 100.

Tabutrex is the common name for the chemical repellent, di-*n*-butyl-succinate. Pybutrex is a combination of Tabutrex with pyrethrum and piper-

onyl butoxide. This combination repels and kills biting flies, horse flies, stable flies, horn flies, mosquitoes, and gnats.

Complete information on Prentox Tabutrex and Prentox Pybutrex can be obtained by writing Dept. A&F, Prentiss Drug & Chemical Co., Inc., 101 West 31st St., New York 1, N. Y.

## Orchard Air Sprayers

A line of orchard air sprayers, designed to handle spraying needs of both small and large orchards and groves, is being introduced by F. E. Myers & Bro. Co.

The new line has been successfully field tested in application of dilute, semiconcentrated, and concentrated chemicals for control of fruit pests, insects, and diseases. Highly corrosive spray chemicals can be applied without damage to the sprayer, the company claims.

The 224-series sprayer has been designed to give the advantages of air spraying to growers with small or medium-sized orchards and groves. The sprayer can be used to apply concentrate and semi-concentrate spray materials. It is available in either 300 or 400 gallon tank sizes.

The 232-series sprayer is designed for volume spraying of dilute and semi-concentrate spray chemicals. The fan delivers 80,000 cu. ft./min. of air at velocities of 70 to 90 miles an hour. Special construction features in the 232-series enable the air to be delivered directly off the fan blades into tree foliage with no loss of useful air velocity from turning vanes or deflectors.

Both series feature one-man operation with remote tractor-mounted controls.

For further information, write Dept. A&F, F. E. Myers & Bro. Co., 305 S. Orange St., Ashland, Ohio.

## Soluble Potassium Sorbate

A highly soluble form of potassium sorbate, (called Sorbistat-K), a selective nontoxic inhibitor for molds and yeasts in food processing, has been introduced by Chas. Pfizer.

Up to 40% solutions can be prepared by simply dissolving Sorbistat-K in water, thus overcoming the problem of water solubility of sorbic acid. The white crystalline powder is applicable to a wide range of food products, such as prepared salads, breads, cakes, pickles, and cheese.

More details can be obtained from

Dept. A&F, Chas. Pfizer & Co., 800 Second Ave., New York 17, N. Y.

## Nicotine Sulfate

Hummel Chemical Co. is now offering nicotine sulfate containing approximately 40% nicotine. This product is used for controlling ants, aphids, and other insects. It is also used as a raw material for making other nicotine salts. Other applications include delousing preparations for sheep and poultry and as a toxic agent in germicidal compositions.

Further information is available on request to Dept. A&F, Hummel Chemical Co., 90 West St., New York 6, N. Y.

## Smog Protector for Plants

A smog-protector for crops is being introduced by Chas. Pfizer. Called Ozoban, it is a readily soluble antioxidant blended into an ascorbic acid formulation that is ready to be sprayed on plants. A light application of it (2 lb. per 100 gal of water) before and during smog attack prevents burning and bronzing of leaves caused by smog. Ozoban was developed at the University of California Agricultural Experiment Station, Riverside.

Further information is available from Dept. A&F, Chas. Pfizer & Co., Inc., 800 2nd Ave., New York 17, N. Y.

## Tabutrex Formulation

A dairy cattle, barn, and livestock spray that repels horse flies, stable flies, horn flies, house flies, mosquitoes, and gnats has been introduced by Globe Laboratories.

It contains Tabutrex, (di-*n*-butyl succinate), pyrethrins, and petroleum hydrocarbons.

Further information is available from Dept. A&F, Globe Laboratories, 358 Majestic Building, Fort Worth, Tex.

## Spray Valve Resists Abrasion

A pressure relief valve that is said to resist abrasion from spray chemicals that contain abrasive particles is announced by Spraying Systems Co. In the 6815-1/2 HSS valve, the valve guide and inlet adapter are fitted with hardened stainless steel inserts. Remainder of the valve is made of brass with stainless steel springs.

Complete information can be obtained by asking for data sheet 7840 from Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.