

New Products and Equipment . . .

Two New Insect Repellent Chemicals

Two insect repellents are being studied by McLaughlin Gormley King Co. One, MGK 11 [2,3,4,5-bis(Δ^2 butylene) tetrahydrofurfural], repels German, American, and Oriental roaches, horn flies, stable flies, mosquitoes, and gnats; the other, MGK 326 (di-*n*-propyl isocinchomerate), repels house, horn, stable, and horse flies.

MGK 11 can be used any place that pyrethrum sprays are customarily used—bakeries, food plants, bottling plants, and residences. MGK 326 can be used around barns, hog houses, chicken houses, and other farm buildings. Both compounds are said to be less toxic to warm-blooded animals than pyrethrins.

MGK 326 is compatible with pyrethrins, allethrin, synergists such as MGK 264 and piperonyl butoxide, and the thiocyanates. It is also compatible with DDT, methoxychlor, and other chlorinated hydrocarbons, but it is not compatible with highly alkaline or acid materials. It is completely miscible with deodorized kerosene, aromatic petroleum solvents, methanol, ethanol, and isopropanol.

The company suggests that MGK 11 be incorporated with pyrethrum or synergized pyrethrum sprays. For use around dairy herds, the company suggests it be combined with pyrethrins, allethrin, thiocyanates, or methoxychlor.

More information can be obtained from Dept. A&F, McLaughlin Gormley King Co., 1715 S.E. 5th St., Minneapolis 14, Minn.

Emulsifier for Mixing Pesticides with Liquid Fertilizers

An emulsifier for use in field mixing of emulsifiable concentrates of pesticides with high potash liquid fertilizers is available from Emulsol Chemical. Called Emcol H-C, the new emulsifier is an extension of the company's H-A and H-B emulsifiers which have been in use for some time. Full details are in technical bulletin No. 47, available from Dept. A&F, Emulsol Chemical Corp., 75 E. Wacker Drive, Chicago 1, Ill.

Methionine Supplement for Poultry Nutrition

Du Pont is offering a second methionine product for supplementing

chicken and turkey feeds. Called methionine hydroxy analogue calcium, it is chemically related to DL-methionine, which Du Pont has had on the market for several years. Either product, choice of which depends on the manufacturer's preference and the formula in which it is to be used, will supply the methionine requirements. Du Pont research has demonstrated that as the calorie level of commercial rations is increased, the methionine requirement is also increased.

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

Liquid Fertilizer Unit

A liquid mixed fertilizer unit that will produce 200 tons a day is available from Indian Point Farm Supply. Ingredients are weighed in the stainless steel tank, and potash and urea are introduced by fiber glass cup elevator. Control valves for mixing, pumping to storage, and loading trucks are within easy reach of the operator at the control panel.

More information is available from Dept. A&F, Indian Point Farm Supply, Athens, Ill.

Dust Collector

The Microdyne, a dust collector that can be used in phosphate processing plants among others, is being introduced by Joy Mfg. Co. The company says the wet, inertial-type unit has an efficiency of over 99% in collecting particles of five microns or greater.

The Microdyne is a cylindrical device with a mixer section and an eliminator section. In the mixer section, dust-laden air or gas enters, and the particles are enveloped in water as they pass through a fine spray. Centrifugal force separates the particles from air in the eliminator section.

Full details are available from Dept. A&F, Joy Mfg. Co., Oliver Bldg., Pittsburgh 22, Pa.

Polyethylene Faucet for Liquid Fertilizer Drums

A polyethylene faucet for use on standard drums is being offered by Multi-Meter Corp. to manufacturers of liquid fertilizer. It is said to cost less than cast iron or brass faucets. In addition, it will not react with the liquid fertilizer. Further data are available from Dept. A&F, Multi-

Meter Corp., Box 154, West Toledo Station, Toledo 12, Ohio.

Sticker for Sprays

A polymer "gum" suggested for use as a sticker in agricultural sprays is offered by Glyco Products, Inc. The water-white, nearly odorless gum has a melting range of 59° to 80° C., will dissolve in cold water, methyl and ethyl alcohols, ethyl acetate, methyl-ethylketone, chloroform, methylene chloride, and hot glycerol. It is insoluble in aromatic and nonpolar solvents. Samples and a bulletin are available from Dept. A&F, Glyco Products, Inc., Empire State Bldg., New York 1, N. Y.

Spray Nozzles

Nozzles for use in farm spraying are available from Spraying Systems Co. The five new sizes produce a full cone spray in capacities from 0.042 to 0.100 gal./min. at 20 lb./sq. in. Seven sizes already introduced range from 0.140 to 1.400 gal./min. More details are in data sheet 4517, available from Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.

Respirator

American Optical Co. has introduced a face respirator for use by applicators of organic phosphate insecticides and other types of pesticides. It is said to contain a new type of filtering material, identity of which was not disclosed. More information is available from Dept. A&F, American Optical Co., Southbridge, Mass.

Fly Bait

A fly bait formulation that contains DDVP and Diazinon is offered by Alco Chemical Co. Kwik-Kill, as it is called, is recommended for both residential and commercial use. The address is Dept. A&F, Alco Chemical Co., 19027 Pioneer Blvd., Artesia, Calif.

Surfactant from Sugar

A surface active agent made from sugar—sucrose dipalmitate—is being offered to food and other industries for evaluation. Called Sucrodet D-600, it is the first of series of sucrose esters. Others to follow will be derived from stearic, oleic, myristic, and lauric acids. Fuller information can be obtained from Dept. A&F, Millmaster Chemical Corp., 295 Madison Ave., New York 17, N. Y.