New Products and Equipment . . .

Spray-Dried Carrier For Pesticide Formulation

A new spray-dried form of Zeolex 7A is being produced by J. M. Huber Corp. Spray-dried pellets of the silica pesticide carrier are said to yield higher absorption and suspension values, when airmilled or finely ground with toxicants such as DDT to formulate high concentrate wettable powders.

New Zeolex 7A packs tighter and is said to save more than 20% in storage space over the regular powder form. Shipping bulk is less, handling is easier. The tiny spray-dried pellets are finer than instant coffee beads and revert to powder immediately during normal milling or grinding at the formulator's plant. Original bulk density of regular milled Zeolex 7A is regained.

Price of spray-dried Zeolex 7A is the same as for the regular milled material. Other uses for this new synthetic silica pigment are as a bulking agent, and as a static-free conditioner for 99% sulfur grinding.

Data are available from Dept. A&F, J. M. Huber Corp., 100 Park Ave., New York 17, N. Y.

Pentachlorophenol Emulsifiers

Emulsol Chemical announces development of two emulsifiers for pentachlorophenol.

Emcol C62-06D is especially effective for a 40% pentachlorophenol concentrate in pine oil. Emcol C62-06C was developed for a 15% pentachlorophenol concentrate in aromatic solvents. Both formulations have good low temperature stability at 0° F., the company reports.

For more details, write Dept. A&F, Emulsol Chemical Corp., 75 E. Wacker Drive, Chicago 1, Ill.

Seed Treater

An automatic liquid seed treater which will treat 350 bushels of seed per hour is announced by Panogen Co.

Designated model LC, this treater is being offered at a price less than that for other liquid seed treaters of comparable capacity, the company says.

Of the same basic design as larger Panogen treaters, it employs the same principle of weighing and metering the seed to assure accurate dosage; the same principle of tumble-mixing in a rotating drum until seed is uniformly treated; and the same automatic clean-out. No mixing or handling of chemical is required.

The treater is shipped with 0.5-hp., single-phase motor and built-in exhaust fan for removal of chaff, seed dust, and the like. Optional equipment includes a two-way bagger; a slurry adapter to convert from liquid to slurry treating of corn, beans, and peas; and dual reservoirs which make it possible to treat simultaneously with a fungicide and insecticide without mixing of materials until they reach the seed.

Additional information can be obtained from Dept. A&F, Panogen Co., Ringwood, Ill.

Attachment for Tractors Applies Fertilizers, Pesticides

A multipurpose fertilizer spreader or applicator attachment for use on tractor tool bars is introduced by E. S. Gandrud Co. Called the Spred-N-Till, this attachment, according to the manufacturer, can be used to broadcast or drill small grains and seeds, or for broadcasting, drilling, banding, sidedressing, or deep placement of fertilizer or granular chemicals such as insecticides, weedicides, and nematocides.

For broadcast applications, Spred-N-Till handles materials at rates of 2 lb. to 4000 lb. per acre. For banding or sidedressing, special snap-on shields are attached to the hopper bottom, and material can be applied at any rate and in any row width. For drilling, the Spred-N-Till can be used with a variety of tillage tools including disks, chisel points, or spring teeth. A special funnel and flexible tube arrangement attaches to the hopper bottom and carries material to the furrow. Spred-N-Till can also be used with the same tillage tools for deep placement of fertilizer ahead of a planter, in sidedressing, or for fertilizer placement in pasture renovation.

Other features include a micrometer rate gage for accurate application, and Gandy Shur-Feed rotor bars for pelleted, high-analysis fertilizers.

For complete information write Dept. A&F, E. S. Gandrud Co. Inc., Owatonna, Minn.

Quercetin from Douglas Fir Bark

Quercetin is now being manufactured from Douglas fir bark by Weyerhaeuser Timber Co. The chemical is processed to a high degree of purity in pilot plant quantities, and a supply is available for pharmaceutical and chemical use, the timber company reports.

Known for about a century, quercetin is found in many plants and flowers and in such fruits as apples, strawberries, grapes, and apricots. Until replaced by synthetics, it was extracted for its dyeing qualities.

Quercetin's antioxidant properties may be used to protect certain products—insecticides, and vegetable and animal oils among them—from spoiling or deteriorating when in contact with air. There is interest in the use of quercetin as an antioxidant in foods and animal feeds because the chemical occurs as a natural substance in many foods and plants consumed by humans and animals.

Another feature of quercetin is its broad range ultraviolet absorptivity. When used in certain products, it will help prevent spoilage and deterioration caused by exposure to ultraviolet light.

Quercetin may also find uses as a chemical intermediate.

Further data are available from Dept. A&F, Weyerhaeuser Timber Co., Tacoma 1, Wash.

Thickener for Frozen and Canned Food

An improved thickener, said to have exceptional stability, neutral taste, and excellent clarity, is being marketed to food processors by National Starch.

Called Col-Flo 67, the corn starch material is especially suitable for canned and frozen gravies or other foods having a gravy base, prepared pie fillings, and tomato-based sauces, the company says. But it can be utilized in other food products that need a thickening agent.

Col-Flo 67 is an improved and modified version of National's standard Col-Flo. Manufactured by a process which permits close control of properties, it does not retrograde and is heavy in body. Virtually tasteless, Col-Flo 67 does not alter or influence the taste of a food product into which it is incorporated, the company reports.

According to National, Col-Flo 67 is three times more stable than any starch now available to food processors. It is unaffected by freeze-thaw.

Further data and samples are available from Dept. A&F, National Starch Products, Inc., 270 Madison Ave., New York, N. Y.