

# New Products and Equipment . . .

## Insecticide for Late Attack

One of the advantages of a new organic insecticide is its one to three day dissipation, permitting growers to use it just before harvest. When used in this fashion, the company states, the insecticide on the plant will by harvest time have dropped below the temporary tolerance established by FDA for experimental sales.

The phosphate, known as Phosdrin, invades a plant's system, and will kill insects that either tap into the treated plant or come in contact with the chemical. It is highly toxic, and must be used with precautions.

Address: Dept. A&F, Shell Chemical Corp., 50 West 50th St., New York 20, N. Y.

## Food and Industrial Antioxidant

Catalin is offering an alkylated cresol antioxidant in two grades, technical and food. The technical grade is expected to have applications in insecticides, fuels, tires, tapes, and other industrial products.

The compound, 2,6-di-*tert*-butyl-p-cresol is effective in concentrations of from less than 0.005 to 2.0% by weight.

Address: Dept. A&F, Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.

## Remote Proportioning Control for Process Plant Systems

New remote system uses one circuit to control pilot proportioning operators and to monitor continuously changes produced. Proportioning is effected by polarized DC signals transmitted from a supervisory control panel to a remote slave receiver. Over-all error of the metering system is less than 2%.

Address: Dept. A&F, Sparks-Withington Co., Jackson, Mich.

## Glycine Offered

Monsanto is supplying glycine to industry for evaluation as a supplement under commercial feeding conditions, following findings by the company's biologists that some commercial broiler diets are deficient in glycine to the point of limiting growth.

By adding glycine along with MHA to some commercial rations, growth improvements of up to 10 per cent in broilers have been obtained in recent laboratory tests. Some of these responses exceeded those obtained from either glycine or MHA alone, indicating that deficiencies of glycine and

methionine are equally growth-limiting. Thus, a maximum growth response is obtained from a methionine additive such as MHA only when adequate glycine is present in the diet, according to Monsanto.

Address: Dept. A&F, Monsanto Chemical Co., St. Louis 4, Mo.

## Scanning Spectrometer

A grating-type scanning spectrometer, easily adapted for use as a flame photometer, is in production by Jarrell-Ash Co. It is said to be useful in a wide range of research studies, including analyses of fertilizers, biological materials, foods, and many other trace element determinations. The unit (model 8200) measures 18 in. long and weighs about 20 lb. It is available with a choice of two electronic systems for either direct recording of spectral intensities or for absorption studies.

Address: Dept. A&F, Jarrell-Ash Co., 26 Farwell St., Newtonville 60, Mass.

## Higher Purity Decyl Alcohol

Improved production techniques are responsible for current availability of primary decyl alcohol of a purity previously unattainable.

Highlighting the specification changes are lowering maximum aldehyde content from 0.20 to 0.05%, and color from 15 to 10 on the platinum-cobalt scale.

Address: Dept. A&F, Carbide & Carbon Chemicals Co., 30 East 42nd St., New York 17, N. Y.

## Improved Grinding Mill Design

Accurate water temperature, 20% greater jacket area, and faster heat transfer are some of the advantages of Patterson's "futura" ball and pebble mills over older designs. The manufacturer states that the new mill grinds materials with maximum efficiency, lower cost, and greater operator convenience.

Address: Dept. A&F, Patterson Foundry & Machine Co., East Liverpool, Ohio.

## BHT Added to USI's Line

Butylated hydroxy toluene has been added to the line of feed supplements available from U. S. I. This antioxidant is currently used to protect nutrient value and palatability of poultry and animal rations.

The product will be marketed in two forms: 25% BHT mix on a carrier of vitamin-rich distillers dried grains,

and as a concentrated agricultural grade in free-flowing powder form.

Address: Dept. A&F, U. S. Industrial Chemicals Co., 99 Park Ave., New York 16, N. Y.

## LITERATURE AVAILABLE

**Chemicals.** Twenty-page booklet lists the complete line of Mathieson organic, inorganic, and specialty chemicals including characteristics, grades, and some uses. Dept. A&F, OLIN MATHIESON CHEMICAL CORP., Industrial Chemicals Div., Baltimore 3, Md.

**Chemicals.** 28-page booklet gives a general description of Shell's agricultural chemicals, including uses for aldrin, dieldrin, endrin, D-D soil fumigant, Nemagon soil fumigant, and allyl alcohol. Dept. A&F, SHELL CHEMICAL CORP., 380 Madison Ave., New York 17, N. Y.

**Dichlorophene.** Comprehensive bibliography lists the available literature on G-4 fungicide (dichlorophene). 109 scientific articles and 12 patents are abstracted. Dept. A&F, SINDAR CORP., 330 West 42nd St., New York 36, N. Y.

**Dispersant.** Seven-page technical bulletin describes Polyfon (sodium lignosulfonate), a moderately active dispersant for wettable insecticide powders. Instructions, suggested formulations, and criteria for grade selection are included. Dept. A&F, WEST VIRGINIA PULP & PAPER CO., Charleston A, S. C.

**Dryers.** Automatic, low-temperature continuous drying equipment is presented in Bulletin K-156. Dept. A&F, SURFACE COMBUSTION CORP., Toledo 1, Ohio.

**Dryers.** Seven-page brochure describes diverse line of dryers and auxiliary equipment. Dept. A&F, E. MACHLETT & SON, 220 East 23rd St., New York 10, N. Y.

**Equipment.** Link-Belt's specialized equipment for chemical, fertilizer, agricultural, and food processing fields is listed in 44-page brochure describing the company's entire operation. Dept. A&F, LINK-BELT CO., Prudential Plaza, Chicago 1, Ill.

**Essential Oils.** Latest wholesale price list of essential oils, aromatic chemicals, and allied products. Dept. A&F, FRITZSCHE BROS., INC., 76 Ninth Ave., New York 11, N. Y.

**Flotation.** Detailed technical bulletin and design data pamphlet de-

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