

# New Products and Equipment...

## Velsicol Offering Gibberellins

Velsicol Chemical announces that it has added gibberellins to its line of agricultural chemicals. Velsicol gibberellins are available in commercial quantities and will be sold to formulators for conversion into packaged products for agricultural and home use. Velsicol says demand for this product is high, and is expected to increase rapidly as more research data become available on additional food and fiber crops. Velsicol is cooperating with federal and state experiment stations in the economic evaluation of gibberellin-induced response on major crops.

For more information write to Dept. A&F, Velsicol Chemical Corp., 330 E. Grand Ave., Chicago 11, Ill.

## Automatic Mixing of Neutral Fertilizer Solutions

An automatic control unit for batch-type processing of neutral solution liquid fertilizers has been introduced by Barnard & Leas Mfg. Co.

The B&L Autobatch is designed to meter phosphoric acid, aqua ammonia or other suitable nitrogen solutions, and water in preselected amounts, and deliver them simultaneously to an auxiliary batch-mixing unit. Self-contained and factory-assembled, it is installed in the field by connecting raw material supply lines, discharge lines, and electrical connection.

Although developed primarily for B&L batch-type neutral solution fertilizer processing plants, it may be used also to convert manually operated plants to automatic operation.

Complete information by writing Dept. A&F, Chemical Plants Division, Barnard & Leas Mfg. Co., Inc., Cedar Rapids, Iowa.

## Automatic Bag Packer

A bagging unit for the fertilizer industry is Chase Bag's Southland Packer, an automatic, all-electric device for filling and weighing open mouth textile or multiwall paper bags.

Distributed exclusively by Chase, the Southland is manufactured by Chattanooga Boiler & Tank Co.

Fast handling of 50-, 80-, and 100-lb. multiwall paper bags is claimed, with 25-bags-per-minute a typical working speed. It also handles 200-lb. burlap bags.

Minimum change-over time from one analysis to another is said to be a feature of the Southland. The South-

land Packer is made from 12-gage or heavier steel plate and requires no external bracing for rigidity. The feeder operates continuously, using a 0.5 hp. gear-enclosed motor to move its endless belt over 8-in., self-cleaning pulleys.

Complete data can be obtained from Dept. A&F, Chase Bag Co., 525 International Trade Mart, Camp & Common Sts., New Orleans, La.

## Continuous Fermentor

The Waldhof-type continuous fermentor is being offered by Stainless & Steel Products Co. It is said to be the first American made fermentor of this type.

The Waldhof continuous process, widely used in Germany and other countries, is particularly adaptable for conversion of whey to yeast, sewage disposal, processes for the aerobic production of organisms, production of baker's yeast, and other similar fermentations, the company states.

This fermentor has a feeding tank, fermentation vat, and receiving tank, all made of stainless steel. Flexibility of clearance between aeration wheel and draft tube, and adjustable baffles permit continuous automatic operation where critical tolerances must be maintained.

Units are available in 20-l. to 2000-gal. capacities. For additional information, write Dept. A&F, Stainless & Steel Products Co., 1000 Berry Ave., St. Paul 14, Minn.

## Odorized Methyl Bromide

Methyl bromide containing chloropicrin as an odorizing agent is now being sold under the trade mark, Profume, Dow Chemical announces.

Used as a fumigant to protect stored commodities against insect and rodent infestation, the material has been on the market for several years and has been known simply as "methyl bromide odorized with chloropicrin." Inquiries should be sent to Dept. A&F, Dow Chemical Co., Midland, Mich.

## Mixer

A high-speed mixer, called the Turbulizer, is available from Strong-Scott Mfg. Co. The continuous, precision mixer is designed for portable or stationary use.

Suggested for use where a fluffing action is desired on powdered material or when adding minor amounts of liquids to a dry material, it has output capacity of up to 10,000 lb. an

hour. More information is available from Dept. A&F, Strong-Scott Mfg. Co., 451 Taft St., N.E., Minneapolis 13, Minn.

## Disc Feeder

A series of variable-speed disc feeders, designed especially for batching or proportioning of crushed or ground dry material, is announced by Manufacturers Equipment Co.

Rate of discharge on these MECO disc feeders can be controlled and varied by hand wheel during operation. Several sizes are available. The smallest unit has a constant feed range from a light trickle up to 2000 lb. per hour. Larger models can feed up to 80 tons per hour.

A descriptive bulletin is available from Dept. A&F, Manufacturers Equipment Co., 218 Madeira Ave., Dayton, Ohio.

## Ribbon Mixers

A line of portable ribbon mixers, recommended for mixing dry, free-flowing, or granular materials, is announced by Young Machinery Co. With working capacities ranging from 0.34 to 20 cu. ft., the mixers are available in carbon steel, stainless steel, or Monel metal. Heating or cooling jackets can be supplied. Agitators available are single or double ribbon types or a combination of ribbon and paddle types. Further data are available from Dept. A&F, Young Machinery Co., Muncy, Pa.

## Mold Inhibitor For Baked Goods

An improved mold and rope inhibitor for the baking industry has been developed by Du Pont. The improved Mycoban sodium or calcium propionate is said to be free of foreign odor. Other improvements include: more uniformity, finer texture, increased density, less moisture, and faster solubility. More information is available from Dept. A&F, Du Pont Co., Wilmington, Del.

## New Form of Isoascorbic Acid

Takamine Laboratory is marketing isoascorbic acid as effervescent tablets, Takatabs, to the food industry. Two Takatabs form approximately  $\frac{7}{8}$  oz. of sodium isoascorbate in solution. Sodium isoascorbate is used as an antioxidant in the preparation of food products such as meat, frozen fruits and vegetables, frozen fish, beer, and carbonated beverages. A technical bulletin is available from Dept. A&F, Takamine Laboratory, Clifton, N. J.