

# New Products and Equipment . . .

## Fiberglass Sprayer Tanks

Hanson Equipment Co. offers a line of fiberglass sprayer tanks ranging in size from 50 to 500 gal. and in a variety of shapes to suit individual needs.

Impervious to the corrosive action of farm chemicals and rust, these sprayer tanks withstand sharp blows without denting or breaking. Translucent tank walls permit checking of the liquid level, with a sight gage for reference at either end.

Complete information may be obtained by writing Dept. A&F, Hanson Equipment Co., Beloit, Wis.

## Spray Selection from Tractor Seat

Spraying Systems Co. has designed a control valve that provides spray to either the left or right side of the tractor, or both sides at once, and on-and-off control, with the entire desired sequence of operations completely controllable by the operator from the tractor seat. Since spray may be shut off to either right or left, the spray can be set in the "downwind" direction on windy days. This control feature is also of advantage when spraying near fence rows or buildings. For normal spraying, the DirectoJet may be set to spray to both sides at once.

For complete information write for Bulletin 99 to Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.

## Bag Flattener

New London Engineering Co. has introduced a bag flattener. Designated the Model BB12Ex8' Type 32, the unit flattens bags as they come from filling machines, to assure firm, safe stacking or palletizing, and storage in the least space possible.

It is available in belt widths from 8 to 24 in.

Further information is available by writing Dept. A&F, L. J. Nash, Sales Manager, New London Engineering Co., New London, Wis.

## Pectinase Supplement

Klerzyme, an enzyme product for the hydrolysis and depolymerization of pectin-containing materials, is offered by Wallerstein Co.

Used to supplement the natural pectinase present in fruits, Klerzyme is made in three grades: Klerzyme 50 (standardized with gelatin and diatomaceous earth especially for use in

the clarification of apple juice); Klerzyme 100 (a water-soluble pectinase with dextrose as a diluent, used in processing fruit juices where subsequent filtration is not practical); and Klerzyme 200 (a concentrated dry powder standardized with diatomaceous earth for use in processing grapes, grape juice, wines, and other fruit juices where subsequent filtration is desirable).

Klerzyme is most active in the pH range normally encountered in fruit juices, with the optimum pH range between 3.3 and 5.2. It can be used with temperatures up to 145° F. with an optimum range of 100° to 135° F. The usual sulfur dioxide levels of 125 to 250 p.p.m. used as a preservative for some fruit juices do not affect its activity.

Samples and information are available from Dept. A&F, Wallerstein Co., Division of Baxter Laboratories, Inc., Staten Island 3, N. Y.

## Fiberglass Spray Tank

A molded fiberglass tank for use in spraying or storing corrosive liquids is announced by the Molded Fiber Glass Body Co.

Designed in a cylindrical shape, the 200-gal. tank is said to resist corrosion and weathering, and to outlast metal tanks or drums many times over. It is recommended for use as a spray tank for insecticides and liquid fertilizers, or as a storage tank for chemicals.

The tank is easy to clean, lightweight, and impact resistant, the manufacturer states. It is 58 in. long and 32 in. in diameter. Available in a selection of colors, the tank is translucent so that the liquid level is always visible.

Write for information to Dept. A&F, Molded Fiber Glass Body Co., 4601 Benefit Ave., Ashtabula, Ohio.

## Yeast Autolysates

A line of six yeast autolysate products, made expressly to stimulate microbial growth in industrial fermentations, is now available from Vico Products in a price range considerably below that of laboratory grade yeast extracts.

In both dry and paste form, these nutrients contain from 6.5 to 9.6% total nitrogen, 2.8 to 4.4% amino nitrogen, thiamine, riboflavin, niacin, B<sub>6</sub>, calcium pantothenate, choline, folic acid, biotin, inositol and all other B complex vitamins and growth factors abundant in brewers' yeast. All of these products are produced by autoly-

sis (enzymatic hydrolysis) of brewers' yeast.

Samples and information are available on request from Dept. A&F, Vico Products Co., 415 W. Scott St., Chicago 10, Ill.

## Liquid Fertilizer for Gardens

A liquid fertilizer, called 500, has been introduced by Nutrilite Products.

It contains fortified organic fish concentrate, chelated trace minerals, acidifier, penetrant. It is said to contain a higher percentage of active ingredients than most competitive products.

Simple instructions on the label give directions for use on grass, dichondra, and numerous flowers, bushes, shrubs, and trees. This general purpose liquid fertilizer can be used by average gardeners without complicated mixing and application equipment.

More information can be obtained from Dept. A&F, Nutrilite Products Co., Inc., Buena Park, Calif.

## Automatic Paper Bag Closer

A bag closer making the closing of paper bags automatic has been announced by Dave Fischbein Co.

The Fischbein bag closer, series BA, is designed so that the bags themselves start the sewing operation when they reach the sewing head. After sewing is completed, the thread is cut automatically, and the sewing action stops as the conveyor belt continues to move the bag. The unit closes paper bags at the rate of 30 feet per minute. Both conveyor belt and sewing machine have instantaneous start and stop controls.

More details may be obtained from Dept. A&F, Dave Fischbein Co., 2730 30th Ave. South, Minneapolis 6, Minn.

## Surfactants

Commercial availability of a new line of amphoteric surfactant products—trade-marked the Deriphats—has been announced by General Mills.

The Deriphats are salts of *N*-alkyl  $\beta$ -aminopropionates possessing both cationic and anionic functionality. All are excellent corrosion inhibitors and detergents, while some are effective foamers and wetting agents.

These and other characteristics of the Deriphats also suggest applications in the agricultural industry.

More data are available from Dept. A&F, Chemical Division, General Mills, Minneapolis, Minn.