

New Products and Equipment . . .

PVC Piping for Fertilizer Solutions

Poly(vinyl chloride) piping, fittings, flanges, and valves have provided a relatively low-cost solution to the corrosion problems met in fertilizer solution manufacture and application equipment, according to Tube Turns Plastics, Inc.

Among PVC's advantages, Tube Turns cites: corrosion resistance at less cost than stainless steel and other suitable metals and alloys, no damage from adverse weather conditions, and no need for painting.

Further data on PVC fittings is available from Dept. A&F, Tube Turns Plastics, Inc., 2929 Magazine St., Louisville 11, Ky.

Defoliant

A cotton defoliant which is reported to give thorough, dependable defoliation regardless of weather or rankness of cotton is announced by Virginia-Carolina.

To be test marketed in Mississippi, Arkansas, Arizona, and California this season, it will be sold under the trade name Folex. Folex is a liquid concentrate formulation of tributyl phosphorotrithioite, which was developed by V-C research personnel. V-C compounds Folex specifically for cotton defoliation and will market the product through the agricultural chemicals section of its chemicals division.

According to Frank Boyd, the company's southern agronomist, the new defoliant does not depend upon dew for activation, and it removes immature as well as mature leaves from the plant. In addition, no special application equipment is required because the chemical is noncorrosive. It can be added to the spray tank and, by the time the tank is filled with water, mixing is said to be complete.

Lewis Goyette, V-C research scientist who supervised the development of the chemical, points out that Folex triggers defoliation by natural physiological action rather than by harsh chemical burning. As a result, leaves fall to the ground while green, and do not catch on bolls or branches. Natural defoliation action eliminates the problem of "freezing" dried leaves to the plant. During testing, leaves were not "frozen" even when Folex was applied at three times the maximum recommended rate.

Folex has been tested in all areas of the cotton belt—humid and dry-

land and irrigated. It has shown fast and consistent action under a variety of conditions. In the tests, rapid leaf drop started in three to five days; pickers operated within seven days of application. Goyette, who coordinated testing by state experiment stations, also pointed out that, even when it rained within 30 min. after test application, defoliation was not delayed or reduced.

For further information, contact Dept. A&F, Virginia-Carolina Chemical Corp., 401 E. Main St., Richmond, Va.

Pocket Meter for Soil pH

A pocket pH meter is being produced by the Scientific Instruments Division of Beckman Instruments, Inc., for farmers, florists, gardeners, and fertilizer salesmen who need quick on-the-spot information on soil pH.

This meter features a combination glass and reference electrode, and is powered by six easily-replaced flashlight-type batteries. The single electrode has a 36-in. lead, or may be used while still attached to the instrument, allowing operator a free hand to write down readings as he takes them.

The meter is 6 in. long, 3 in. wide, 2 in. deep, and weighs only 2 lb. It has a 2 to 12 pH range, readable to 0.1 pH. A shoulder-type carrying case is available as an accessory.

For further information on the new Pocket pH Meter write Dept. A&F, Scientific Instruments Division, Beckman Instruments, Inc., Fullerton, Calif.

Valves for Anhydrous Tanks

Bastian-Blessing has announced two valves, the A8017 series and the A8018 series, for use on anhydrous ammonia field storage and nurse tanks. Design features of the new valves include V-ring pressure seal on a stainless steel stem, positive shut-off, extra large openings to reduce pressure drop, and rugged ductile iron bodies. A side boss is provided which can be tapped 0.25 in. NPT for installation of vent valve, hydrostatic relief valve, or plug. An excess flow valve at the inlet will prevent escape of gas in case the hose is ruptured or the connection is otherwise broken.

The A8018 is a combination filler valve and liquid withdrawal valve which is especially suitable for three-opening type applicator tanks.

The A8017 is designed primarily for use as a liquid withdrawal valve. It is especially adaptable to field storage tanks.

For further information write Dept. A&F, Bastian-Blessing Co., 4201 W. Peterson Ave., Chicago 30, Ill.

Granular Dicalcium Phosphate

Production of a granular dicalcium phosphate has been announced by the Coronet Phosphate Co. Produced at Texas City, Tex., granular Dikal is guaranteed 19% phosphorus and said to be free-flowing, dust-free, and consistent in particle size.

Coronet says the new granular Dikal handles conveniently in both bagged and bulk shipments, flows freely in all types of mixing equipment, and eliminates dust.

Better dispersion is maintained by similarity of the Dikal particle size to other feed components. A screen analysis of all through 20 mesh; 80% to 90% on 200 mesh is guaranteed.

Further information can be obtained from Dept. A&F, Coronet Phosphate Co., Norfolk, Va.

Portable Eye-Wash Fountain

A portable emergency eye-wash fountain, for instant eye first-aid where normal water supplies are unavailable, is being manufactured by Haws Drinking Faucet Co.

This product, model 8950, is designed for use by construction chemical crews or any group working in remote areas where water is nonexistent.

Further information is available from Dept. A&F, Haws Drinking Faucet Co., 4th & Page Sts., Berkeley 10, Calif.

Nozzle Gives Choice of Three Spray Patterns

Spraying Systems Co. introduces its No. 7199 Multeejet tip assembly for use with portable spraying equipment. It is adjustable to give choice of flat spray, solid stream, or cone (misting) spray. With this new nozzle assembly, the user can easily obtain the three basic types of spray patterns that normally are required in spraying. The turret head indexes to each position for quick and accurate setting at operating location. These Multeejet tips are made in brass with brass orifices or in brass with stainless steel orifices. For complete information ask for Data Sheet 7199 from Dept. A&F, Spraying Systems Co., 3252 Randolph St., Bellwood, Ill.