

NEW PRODUCTS AND EQUIPMENT

Double Strength Ceresan

Dust problems while treating seed or handling it afterwards are virtually eliminated with a new double strength ethyl mercury seed disinfectant especially formulated for application in water, according to the Du Pont Co.

The new product, Ceresan M-2X, is applied in a liquid mixture or slurry which quickly dries on the seed without "dusting off" during the treating operation, or later on when the seed is bagged and handled. Ceresan comes in a two-unit package—five pounds of the seed disinfectant in one unit plus a separate section containing the liquid sticking agent. Thus, the treater can mix the correct dosage without having to weigh or measure the chemicals.

Ceresan M-2X is recommended for control of seed-borne and soil-borne organisms which attack grain, sorghum, cotton, and flax. It is supposed to control various smuts and blights.

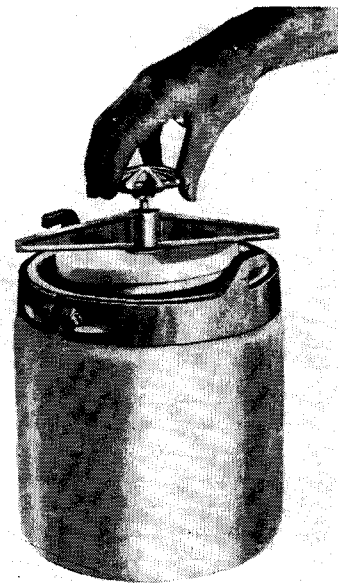
To enable the seed treater to shift quickly from the mixture for one crop to the proper concentration for another,

Du Pont has prepared a conversion table showing proper amounts of Ceresan M-2X or water to add to various quantities of slurry. **PE 1**

Borundum-Fortified Mill Jars

A new ceramic-body mill jar of unusually high wear resistant properties has just been announced by U. S. Stoneware Co. Addition of Borundum to the body gives two to three times greater wear life over conventional porcelain jars, they say. Borundum likewise adds materially to the mechanical strength of the mill jar—it's two to one over porcelain—which reduces the impact and breakage hazard. The contamination factor has been reduced from one half to one third.

The basic design incorporates a simple, positive locking lid construction with an extra wide mouth opening which speeds jar opening and emptying. The lid, locking bar, and locking hand wheel are an integral unit which makes lid removal and replacement a clean, quick, simple operation. Roalox Borundum-fortified mill jars are available in six sizes ranging



Borundum fortified mill jar available from U. S. Stoneware, which claims that the jars have 2 to 3 times the wear life of conventional mill jars

from 0.5 pint through 6.6 gallon capacity. Neoprene oil and solvent resistant gaskets are standard items. **PE 2**

Sodium Nitrate, in Liquid Form for Fertilizer

A direct application nitrogen solution, Sodan, has been introduced by the Nitrogen Division, Allied Chemical & Dye Corp.

The special feature of the new solution is its sodium nitrate content, which is beneficial to a wide variety of farm crops.

The first tank cars of Sodan have been shipped to Southern and Midwestern areas. It can be applied on pastures and small grains and on row crops such as corn, cotton, and vegetables.

Sodan is a clear, colorless liquid containing approximately 20% nitrogen, in the form of sodium nitrate and ammonium nitrate. **PE 3**

Permanent Insecticide Dispersing System

A central system for control of insects in industrial plants is available from the West Disinfecting Co. The company claims that the installation makes it possible for one man to spread an insecticide fog through many areas of a plant simultaneously.

Use coupon, page 691, for further information

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The system is similar to a sprinkler installation for fire control. Atomizer units for the insecticide are placed through the building and connected by pipelines with an insecticide reservoir and the compressed air of steam line of the building. The control system for the installation can be centralized and the complete plant can be fogged from a control panel. According to West, one atomizer unit can fog 10,000 cubic feet of space per minute. They claim the system can be used safely and effectively in the food industries. **PE4**

Pneumatic Conveying System For Materials Handling

A negative pressure conveying unit for handling bulk materials is available from Sprout, Waldron & Co. Called the Pneu-Vac it is a draw through system in which the fan is located on the opposite side of the collector from the material conveying line.

Sprout, Waldron claims that the system is free from mechanical friction since the material being conveyed does not pass through the fan. The material being conveyed is suspended in a high velocity air stream and passes through the conveying lines under negative pressure.

The Pneu-Vac handling system is available in 12 standard sizes with fan motors from 2 to 60 hp. and capacities up to 50 tons per hour in multiple systems. **PE5**

Nylon Press and Filter Cloth

Robert Brautigan Sons is offering a line of nylon press and filter cloths. According to the manufacturer, the cloths offer the advantages of high tensile and bursting strength, light weight, long life, and minimum shrinkage.

Developed after several years of laboratory and field testing, the new product has proved to be a successful substitute for cotton cloth, Brautigan claims. Its low shrinkage factor permits the use of a 90 by 90 in. nylon cloth in place of a 96 by 96 in. or 100 by 100 in. cotton cloth. Also, it has a much higher bursting strength than cotton although it weighs only half as much.

Nylon does not swell when wet or soak up juices when used as a press cloth making it easier to handle and to wash. It is also resistant to mildew and organic acids of fruit.

The cloth is available in sizes up to 90 in. wide in any length desired. **PE 6**

Correction

Dodge & Olcott's new product, Dolcourin, suggested as a replacement for coumarin and tonka, does not contain coumarin. Due to a typographical error the item on page 534 of the June 24 issue of *AG AND FOOD* said Dolcourin contained more coumarin, which was incorrect.

LITERATURE AVAILABLE

Aldehydes. Handy reference discusses 14 commercial aldehydes and other aldehydes available in research quantities. Includes uses and suggested applications, physical properties, shipping data, specifications and a list of selected literature references. **CARBIDE AND CARBON CHEMICALS CO. L1**

Automatic Graph Plotting. Booklet describes method used to plot graphs automatically from punched card data. An accounting machine is utilized to prepare line graphs, point graphs, and bar graphs by a special wheel printing feature. **INTERNATIONAL BUSINESS MACHINES CORP. L2**

Cattle Husbandry. A 95 page, pocket-size book containing facts about the common diseases of cattle, ways the dairyman can utilize labor saving devices, good management practices, and many other subjects. 1953 revised edition. **AMERICAN CYANAMID CO. L3**

Container Linings. Bulletin illustrating a transparent container lining which is tear resisting and elastic. Arkalene linings are advertised as being waterproof, moistureproof, and odorproof. Suggested uses are for lining fibre drums, multiwall bags, and rectangular cartons. **ARKELL SAFETY BAG CO. L4**

Dusts and Sprays. The use of diluents, dispersing agents, and stickers for agricultural dusts and sprays is described in an 8 page booklet. Specifications on chemical analysis, physical properties, and particle size are given. A compilation of literature references is included. **R. T. VANDERBILT CO. L5**

Dust Collectors. Performance characteristics of cyclone dust collectors are presented in this 7 page bulletin. Information regarding typical installations and equipment specifications is included. **THE DAY CO. L6**

Feeder. A catalog containing design details, capacities, dimensions, and applications of regulating type feeders. Includes constant weight feeders, weight measuring feeders, volumetric belt feeders, disc feeders, and volumetric non flooding drum feeders. **HARDINGE CO., INC. L7**

Glass Textiles. Three basic fiber glass textile forms—broad fabrics, tapes, and parallel strand reinforcements—are discussed in this 32 page pamphlet. It serves as an introduction to the use of glass fabrics in modern industry. **HESS, GOLD-SMITH & Co., INC. L8**

Impregnated Glass Fibers. A new bulletin giving recent applications of woven fabrics impregnated and coated with Teflon tetrafluoroethylene resin. The outstanding electrical and mechanical properties are set forth in tabular form. **Du PONT Co. L9**

Injection Molding. A 20 page booklet describing the applications of Kralastic (blends of rubber and plastic) in extrusion and injection molding. Information on physical properties, fabricating methods, and applications of Kralastic is included. **UNITED STATES RUBBER CO. L10**

Mixed Bed Demineralizers. This bulletin explains how a mixed bed demineralizer operates in producing high purity water by the ion exchange method. Special stress is placed on the recent development of a simplified, positive, regeneration system, which separates resins quickly and positively and then remixes them for efficient performance. **BARNSTEAD STILL & FERTILIZER CO. L11**

Mixing and Grinding Equipment. A 20-page bulletin giving detailed technical data on jar mills, ball mills, drum rollers and tumblers, and mill jars. Also included are drum painting and special mixing equipment. **THE U. S. STONWARE CO. L12**

Multiwall Bag. All purpose bag constructed of several plies of crinkled kraft paper is illustrated in this bulletin. Bags can be supplied in various grades and constructions, such as special asphalt plies or reinforced plies. **ARKELL SAFETY BAG CO. L13**

Semisolids Processing. A 7-page bulletin describing various equipment for the processing of semisolids. Includes such items as continuous presses, screens, and rotary driers. **DAVENPORT MACHINE & FOUNDRY Co. L14**

FOR ADDITIONAL INFORMATION — CIRCLE DESIRED ITEMS, CLIP COUPON, AND MAIL TO

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