

NEW PRODUCTS AND EQUIPMENT

Dalapon Dow's New Herbicide

Dalapon, the selective grass control herbicide developed by Dow was described at the recent meeting of the National Weed Control Conference.

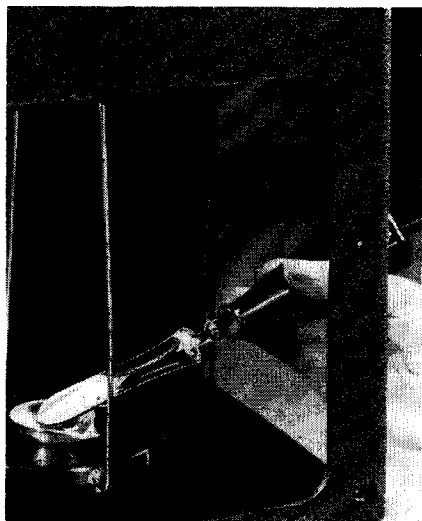
The common name dalapon has been coined to refer to the active material, α, α -dichloropropionic acid.

The material is not yet generally available for farm use, at present it is expected that it will be applied by railroads and others interested in industrial grass control.

Certain farm uses may be possible by 1954, after recommendations have been developed by agricultural experiment stations. These findings have been summarized by Dow in a technical bulletin.

PE1

Vibro Spatula



The Vibro spatula available from Fisher Scientific Co. is a combination of the familiar laboratory spatula with a midget vibration motor. With the vibro spatula particles can be dropped singly or in a steady stream onto the weighing paper or scoop. Another feature of the device: loosely bound aggregates of crystals can be broken up by tilting it backward with the vibration on

PE2

Shaker Conveyor for Handling Hot and Abrasive Materials

A line of shaker conveyors for operations involving hot or abrasive materials is available from the Goodman Manufacturing Co. The conveyors move materials horizontally, up or down for distances up to 500 ft.

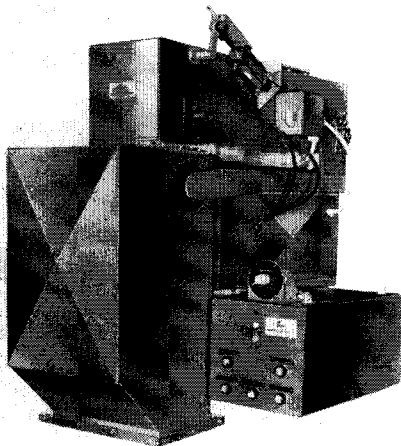
The units are powered by air or electric motors which provide a reciprocal

straight line motion to the conveyor unit through a series of gears and linkages.

According to the manufacturer the units are ruggedly constructed, yet are lightweight, portable, quickly assembled, and can be installed where headroom is limited. Normal capacity of the conveyor is 100 tons per hour.

PE3

Filling Scale Preweighs, Checks, And Discharges Automatically



Thayer filling scale for net weighing of granular, flake pellet, or fibrous materials. The unit handles up to 5 bags per minute of any desired weight from 25 to 200 lb. The machine is designed for use in automatic weighing and filling lines

PE4

Vinyl Plastic Tarpaulins

Transparent and colored tarpaulins in a variety of sizes are available from Plastic Creators Inc.

The tarpaulins are made with electronically welded seams and are completely waterproof and resistant to fire and most industrial acids according to the manufacturers.

PE5

Chemical Intermediates from Allethrin Production

Five chemical intermediates from the production of Allethrin which are believed to have possible application in the synthesis of fungicides, insecticides and other chemicals are available from the U.S. Industrial Chemicals Co.

Further information is available on the following chemicals:

Allyl acetone, an unsaturated, liquid ketone which undergoes polymerization reactions.

2,5-Dimethylhexane-2,5-diol, a crystalline glycol with 2 reactive hydroxyl

groups which can be reacted to form esters, ethers, etc.

2,5-Dimethyl-2,4-hexadiene a highly reactive liquid hydrocarbon, lends itself to a variety of condensation reactions.

Ethyl- α -allylacetate is subject to a wide variety of reactions typical of acetoacetates.

Ethyl diazoacetate, derivatives of this material have been known for a long time and have been used in a variety of chemical synthesis. In spite of the many applications for this chemical on a laboratory scale, commercial application has been handicapped by its relative instability and handling hazards.

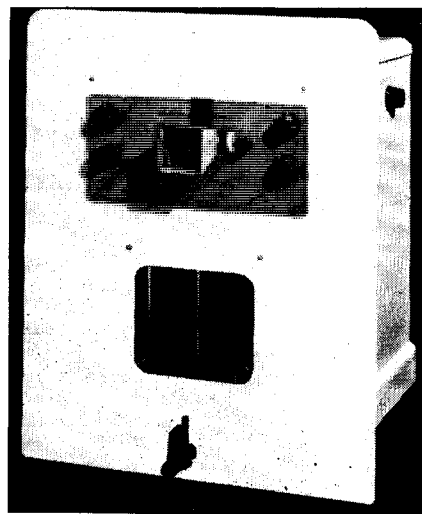
PE6

Toxophene Spray

A spray formulation of toxophene insecticide has been developed by the Easton Chemicals Division of American Potash and Chemical Co. The manufacturers claim the spray formulation has many advantages over dusts for insect control.

PE7

Single Beam Microbalance Weighs by Dialing



Micro Gram-atic balance available from Fisher Scientific Co. embodies the same features which were introduced several years ago in Fisher's 200 gram Gram-atic balance. The balance is claimed to have an accuracy of ± 0.002 mg. Weights are mechanically removed by dialing from the front panel; there is no personal handling of weights or calculating of final weight

PE8

► Use coupon, page 44, for further information ►