

# NEW PRODUCTS AND EQUIPMENT

## Cooperative Research Develops Versatile Mist Blower

A multipurpose mist blower, for the application of aerosol insecticides, has been developed as a result of a joint project by the U. S. Department of Agriculture and the Connecticut Agricultural Experiment Station.

Advantages of the blower are its light weight, about 200 pounds, and its versatility—it can be fitted with different outlets for applying insecticide to row crops, livestock, or orchards. Prior to this development most commercially available mist blowers have been relatively expensive machines designed primarily for forest and orchard insect control work.

The blower employs air at high velocities to atomize and propel concentrated insecticides at any angle between horizontal and vertical; it can propel effective insecticide concentrations up to 40 feet vertically.

The machine is being manufactured by the Homelite Corp. which has been responsible for its development. It will come equipped with several spray outlets adapted to various agricultural usages. **PE1**

## Boron Herbicides Developed By American Potash

Two nonselective boron herbicides are available from American Potash &

Multipurpose mist blower being tested at the Connecticut Agricultural Research Station. The blower unit can be mounted on a farm tractor, small trailer, or pickup truck. The blower can be used for the application of suspension type sprays that clog the nozzles of conventional type sprayers **PE3**



Chemical Corp. Complete coverage of all industrial weed killing problems is claimed by the manufacturer for the two products Tronabor and Tumble-Weed-25.

Tronabor is composed of 13.7% boron and 44%  $B_2O_3$  and combines the properties of a general contact herbicide and soil sterilant. The preparation is intended for dry application. American Potash warns that the boron herbicides are nonselective in their action, and therefore should not be used in areas adjacent to lawns, trees, or other ornamental vegetation.

Tumble-Weed-25, the other boron preparation, is composed of sodium chlorate and a minimum of 73% soluble borates with added wetting agents. This preparation is soluble in water and can be applied with sprayers.

These nonselective herbicides are intended for use around fence lines, ditch banks, highways, and other places where plant growth is a nuisance or fire hazard. **PE2**

## Dial Type Surfactant Selector for Formulators

A pocket-size dial type selector for emulsion formulators has been prepared by Atlas Powder Co. Printed on durable card stock the device offers formulators surfactant recommendations for 96 different formulation problems. The selector contains recommendations for 18 different

agricultural pesticide formulations including insecticides, herbicides, miscible oil sprays, and antidust agents.

In addition to the recommendations, the calculator contains a condensed catalog of surfactants and formulas. **PE4**

## Safety Bulletins for Fertilizer Industry



An example of the special series of safety bulletins prepared for the fertilizer industry by the National Safety Council. The series, consisting of 12 different three color safety posters, is available from the National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill. The prices to members range from \$1.75 to \$2.00 per set of 12 posters

## Magnetic Laboratory Stirrer

A magnetic stirrer available from Fisher Scientific Co. has apparently been designed to answer the space problem found in many laboratory bench assemblies. Only  $2\frac{3}{4}$  inches high, the stirrer can be fitted under many sample setups. Stirring action is provided by a protected magnetic bar, which is placed inside the sample container; the magnet revolves at the same speed as the stirrer motor.

The elimination of the shaft and impellers of mechanical type stirrers allows the magnetic stirrer to operate in completely closed systems, either vacuum or high pressure. A rheostat can be used to control the stirring speed. **PE5**

Use coupon, page 1077, for further information