

NEW PRODUCTS AND EQUIPMENT

First Aid Kit for Anhydrous Ammonia Users

A first aid kit for farm users of anhydrous ammonia has been developed by the Mine Safety Appliances Co. The kits contain materials for first aid treatment of ammonia burns which have become a potential hazard with the increasingly widespread use of anhydrous ammonia for fertilizer. The kits are enclosed in steel cases with carrying handle and finished in durable blue baked enamel, with rubber gaskets to seal out dust and moisture and mounting brackets for attaching to a wall or vehicle. A special instruction sheet is included with the kit. **PE1**

Portable UV Analyzer Measures Minute Quantities of Gas



Ultraviolet analyzer which can detect a few parts per billion of gases in air. Detection is based on absorption of the ultraviolet light by the gas reduction in intensity of the light determines the concentration of gas present. Gas concentration is registered on the dial of the instrument. **PE2**

Instrument Measures Level of Liquid in Closed Tank

A differential converter which converts differential pressures into proportional air pressures to measure the level of liquids in a closed tank has been developed by the Industrial division of Minneapolis-Honeywell Co. The range of the instrument is adjustable from 0-14 to 0-200 inches of water, with continuous level reading over the entire range of measurement. Available in both steel

and stainless steel, the unit is rated to withstand pressures of 750 or 1500 pounds/in² and temperatures up to 350° F.

With recording devices the measuring instrument can be used to furnish records for operation analysis, inventory checks and cost accounting. **PE3**

Corn Nitrogen Test

Test card which is used as a matching test to determine optimum nitrogen side dressing for corn. The color of the lower leaves of the corn plant is matched with the colors on the card and then referred to a table on the back of the card which tells how fertilizer should be used. The test cards are available singly or in quantity lots and might be of value in merchandising fertilizers. **PE4**

Heat Control Switch for Food Processing Equipment

A heat control switch which incorporates a double circuit, to rapidly boost a cold heating element to a pre selected operating temperature, has been developed by Procter Electric Co.

When the control knob is set to a desired input, the heating element is immediately

boosted to a heat level of 5000 watts; however when desired input is reached, the switch changes connections and delivers the input, up to 1250 watts, on 110 volts.

The switch designed for operation on 220 volt food processing equipment is, according to the manufacturer, capable of an infinite number of heat control settings from 75 watts to the maximum rated power output. The switch has been tested and approved by Underwriters' Laboratories. **PE5**

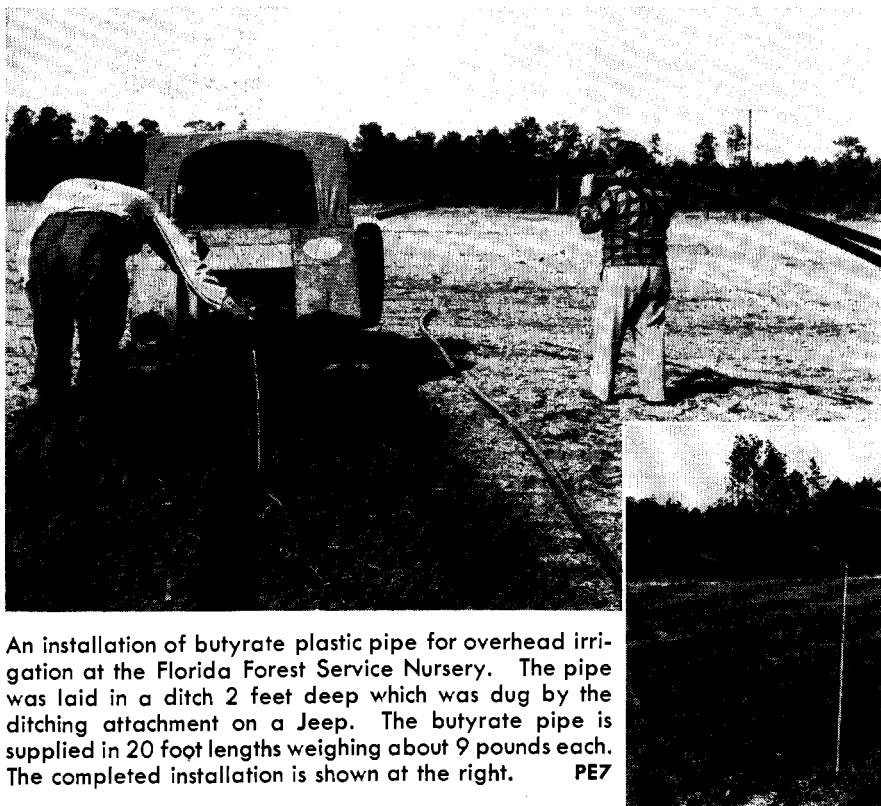
Portable Power Sprayer

Two portable power sprayers, designed to meet moderate spraying needs are available from F.E. Myers & Bro. Co. The sprayers are of a size to be utilized by greenhouse operators, landscape gardeners and small farmers.

One model with a capacity of 12½ gallons can spray up to 2 gallons per minute. This smaller model weighs 152 pounds empty and is mounted on rubber tires. The larger model holds 50 gallons of spray material and sprays 4 gallons per minute. **PE6**

▶ See coupon, page 533, for further information ▶

Light Weight Plastic Pipe Easily Installed for Irrigation



An installation of butyrate plastic pipe for overhead irrigation at the Florida Forest Service Nursery. The pipe was laid in a ditch 2 feet deep which was dug by the ditching attachment on a Jeep. The butyrate pipe is supplied in 20 foot lengths weighing about 9 pounds each. The completed installation is shown at the right. **PE7**