

Sprayer calibration includes uniform setting of nozzles

FLEMINGTON, N.J. - When calibrating the application rates of a field sprayer, there's an important consideration which is often overlooked, according to Hunterdon County Extension Agent William G. McIntyre.

Calibrating a sprayer is not complicated. It's a case of laying out an acre or portion thereof, and seeing how much material is used to cover that particular area at the speed it will be run, pressure, etc. of the particular component. Often overlooked is the uniformity of the nozzle output on the spray boom. Check the

amount of material delivered by each individual nozzle on the boom, to be sure that all nozzles are delivering the same amount of material.

In the case of herbicides, undertreating in an area could result in weed problems and overtreating could result in crop losses. Aluminum, brass, and plastic nozzles wear out. Stainless steel, while it costs possibly three times as much as the less expensive aluminum, brass, or plastic ones, will last three and one half times as long. Hardened stainless steel on the other hand, probably the most expensive of nozzles, costing about 3.6 times as much as the softer materials will last ten to fifteen times as long. So this season, before you use the sprayer, calibrate it and check the nozzles. Replace those that are worn, that are not delivering the proper amount, and be sure that the delivery along the boom is uniform, says McIntyre.

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Use medium for most frying, browning of meats, cooking large quantities of food and making sauces or puddings.

Use low or simmer to finish cooking foods started on a higher heat and for cooking soups, stews, and delicate sauces.

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Stream map available

UNIVERSITY PARK, Pa. - People who like to fish and hike - and outdoorsmen wanting to study the terrain of Pennsylvania - may find handy the Stream Map of the Commonwealth, published by the Agricultural Experiment Station at The Pennsylvania State University.

Geographical features included are 3,000 each of streams, towns, and elevations above sea level. The map gives the names and locations of major mountains, valleys, lakes,

dams, swamps, and reservoirs. The detailed Stream Map is about three feet wide by five feet long and the scale is six miles to the inch.

The map is available for \$1.06, tax included, from Stream Map, Box 6000, University Park, Pa. 16802. It is mailed in two styles, flat or folded. In ordering, please indicate which type you want. Checks or money orders should be made payable to The Pennsylvania State University. Please allow two to three weeks for delivery.

Orienteering Contest held

LANCASTER, Pa. - May 4 the Lancaster County Future Farmers of America held its first orienteering contest at Middle Creek Wildlife Center. The three-part contest consisted of a written test involving map reading skills, a pacing test, and an outdoor compass course. Despite the rain, Pequea Valley high school accumulated the highest team average followed by Garden Spot High School and Ephrata High School.

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Storing Winter Clothes

-When preparing clothes for storage, give some attention to the hangers used. Mrs. Ruth Ann Wilson, Extension clothing and textiles specialist Penn State University, suggests using shaped wooden hangers for coats and suit jackets. Padded hangers are good choices for lighter weight garments, but make sure the padding is smooth so it will help retain the shape of the garment. Also be sure garments are clean before storing them. Wash and wear and permanent press finishes tend to hold soil and stains. Unless these are removed, they will "set" during storage and be difficult, if not impossible, to remove later.

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When visiting the Penn State campus at University Park, the Stream Map can be obtained in room 232 of the Agricultural Administration Building. The

office is open from 8:00 a.m. to 5:00 p.m., Monday through Friday. The map was produced by Howard W. Higbee, professor emeritus of soil technology.

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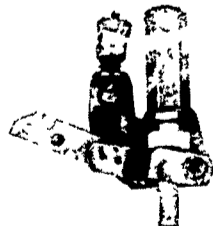
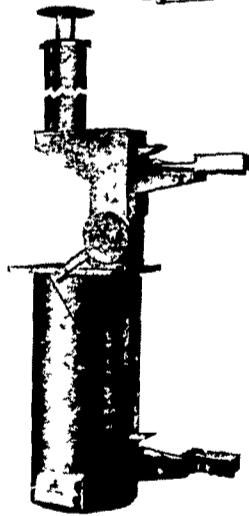
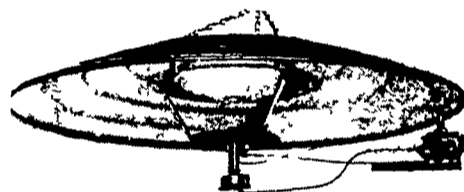
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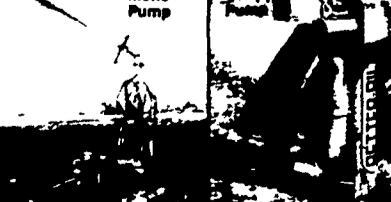
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