

Dynamight K900 Generator Is Portable and Powerful

The quiet, lightweight Dynamight K900 fills temporary standby power needs. A product of WINCO, a division of Dyna Technology, Inc., the K900 delivers 900 W of AC power to run appliances, emergency lights, power tools, furnaces, etc., and 6 amp of DC power to charge batteries. Maximum



electric motor starting power is $\frac{1}{4}$ hp. The 44-lb generator features a USDA forestry approved muffler, automatic reset overload protection, automatic throttle control, a 76-cc 4-cycle engine, and two 120-V outlets.

Contact: Walt Brammer, WINCO, Division of Dyna Technology, Inc., 7850 Metro Parkway, Minneapolis, MN 55420, (612)853-8400.

Ridomil MZ58 Foliar Sprays and Ridomil 2E Soil Sprays

Ridomil MZ58, a Ciba-Geigy wettable-powder fungicide containing metalaxyl and mancozeb, has been registered for foliar application to control late blight in tomatoes, late blight and tuber rot in potatoes, and downy mildew in cucumbers, melons, and dry-bulb and seed onions. The EPA recently approved the label for specified treatments and also amended the Ridomil 2E label. Ridomil 2E, a Ciba-Geigy liquid fungicide that controls certain rot-type diseases, now may be applied on soil to protect avocados and tomatoes and in-furrow to protect cotton. In both instances, California growers must await approval from the state's Department of Food and Agriculture.

To control late blight caused by *Phytophthora infestans* in tomatoes or potatoes, spraying with Ridomil MZ58 is begun when plants are 6 in. high or conditions are suitable for disease

development and is continued during the season at 14-day intervals. To control seedling damping-off caused by *Pythium* in tomatoes, Ridomil 2E is applied as a surface spray immediately before or after seeds are planted; to reduce fruit rots caused by *Pythium* and *Phytophthora*, the fungicide is applied beneath the vines 6-8 wk before harvest.

To control downy mildew caused by *Pseudoperonospora cubensis* in cucumbers and melons, spraying with Ridomil MZ58 is started when plants are in the two-leaf stage and is continued throughout the season at 14-day intervals. To control downy mildew caused by *Peronospora destructor* in onions, applications of Ridomil MZ58 are begun when cool, damp weather favors disease development and are continued during the season at 14-day intervals.

To control root rot in avocados, treatment with Ridomil 2E should be started as soon as soil tests indicate the presence of *Phytophthora*. The fungicide may be applied beneath the canopy of the tree as a soil surface spray or by injection into irrigation water. The first application is made when the growing season or transplanting begins, followed by two more applications at 3-mo intervals. Mature trees in moderate or advanced decline cannot be cured with Ridomil.

To control seed rot and seedling diseases caused by *Pythium* in cotton, seeds in the furrow are sprayed with Ridomil 2E just before being covered.

Contact: Skip Ragland, Ciba-Geigy Corporation, P.O. Box 18300, Greensboro, NC 27419, (919)292-7100.

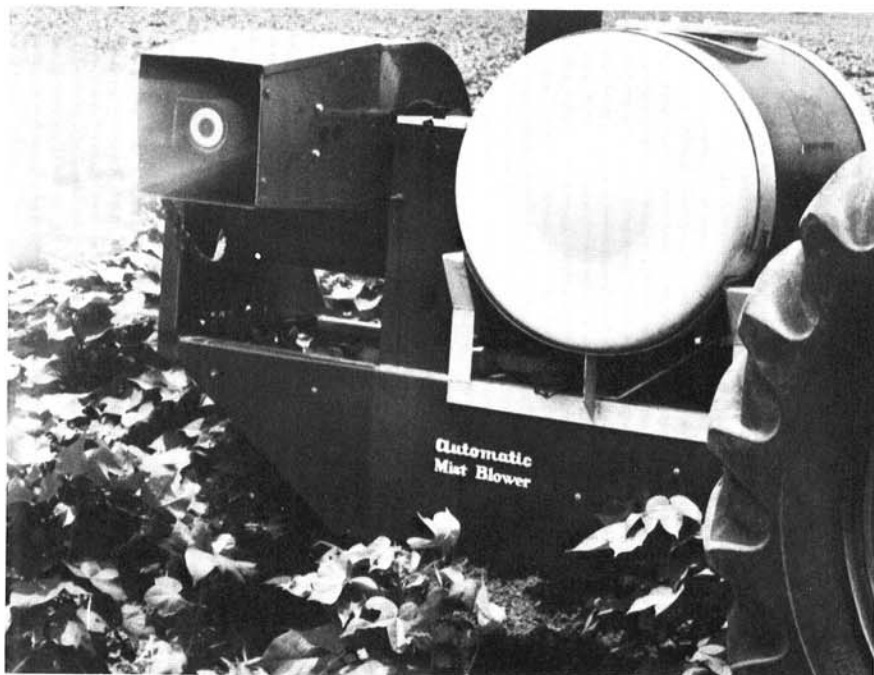
Mist Concentrate Sprayers Are Efficient and Effective

In the Mist Concentrate sprayer, the Micronizer spray head breaks up the chemical into uniform droplets of controlled size and a powerful centrifugal fan provides turbulence, delivers spray droplets, and deposits the droplets on the foliage. The turbulence lifts and turns the leaves so that droplets deposit on all sides for maximum effect. According to the Automatic Equipment Manufacturing Company, good results have been obtained with as little as 0.5 gal total volume per acre, operating at speeds up to 12 mph with a spray swath up to 100 ft wide.

The HC-300, a Mist Concentrate sprayer that mounts on high-cycle or other high-clearance machines, attaches to lift arms where a boom apparatus normally would be. The HC-300 utilizes the tank and electric system of a high-clearance rig but has its own 16-hp engine to provide air turbulence. The Mist Concentrate sprayer is also available in tractor PTO units for three-point hitch and skid units for mounting in pickup trucks or trailers. Several tank options are available.

A Micronizer spray head kit is available to convert a Mist Blower unit to a Mist Concentrate sprayer. The kit replaces the volute extension on older models.

Contact: Automatic Equipment Manufacturing Company, Pender, NE 68047, (800)228-9289.



Herbicide Applicator Has Knapsack-type Reservoir

An interchangeable 20-L knapsack-type reservoir is the latest accessory for Micron Corporation's HERBI controlled-droplet applicator of herbicides. The



reservoir, which replaces the standard 2.5-L bottle, operates continuously up to 5.5 hr without refilling. The totally self-contained HERBI is battery-operated.

Contact: Micron Corporation, 1424 West Belt Drive North, Suite 180, Houston, TX 77043, (800)231-1777.

Direct-Drive Micromax Sprayer Has Electronic Speed Control

The Micromax/DR4 sprayer for pesticide application is a tractor-mounted unit with a 12-V motor to directly drive the spinning disk. According to Micron Corporation, elimination of belts and pulleys and reduction in the number of bearings increase the capability of Micromax/DR4 to withstand the environment of pesticide application. An electronic solid-state speed controller permits selection of the right droplet size for the chemical being applied: 1,600 rpm for replant herbicides where swath placement is critical; 2,000 rpm for preemergence herbicides; 3,500 rpm for postemergence herbicides, growth regulators, fungicides, and defoliant; and 5,000 rpm for insecticides. A four-

position mounting bracket gives the unit flexibility in directing the spray pattern for canopy penetration, and a breakaway safety device helps prevent damage if the nozzle accidentally contacts the ground or a stationary object.

Contact: Micron Corporation, 1424 West Belt Drive North, Suite 180, Houston, TX 77043, (800)231-1777.

Bayleton Use on Cucurbits, Grapes, Melons, Sugar Beets

Under section 18 specific exemptions granted by the California Department of Food and Agriculture, growers and applicators in California can now use Bayleton, a systemic fungicide marketed by the Agricultural Chemicals Division of Mobay Chemical Corporation as a 50% wettable powder, to control powdery mildew on cucurbits, Crenshaw melons, and sugar beets. On cucurbits and melons, Bayleton can be applied at a rate of 2-4 oz per acre (not to exceed 12 oz per acre per season), by ground in at least 20 gal of water per acre or by air in at least 5 gal of water per acre, up to 3 days before harvest. On sugar beets, Bayleton can be applied at a rate up to 16 oz per acre per season, by ground in at least 60 gal of water per acre or by air in at least 5 gal of water per acre, up to 35 days before harvest. Workers may reenter fields when the spray has dried.

Under section 18 specific exemptions granted by the EPA, growers in Idaho can now use Bayleton to control powdery mildew on grapes and sugar beets;

growers in Oregon also can use the fungicide on sugar beets. On grapes, Bayleton can be applied at a rate of 4-6 oz per acre, by ground in at least 20 gal of water per acre or by air in at least 10 gal of water per acre, up to 14 days before harvest. On sugar beets, a single application can be made at a rate of 6-8 oz per acre, by ground in at least 20 gal of water per acre or by air in at least 5 gal of water per acre, up to 35 days before harvest.

Contact: Mobay Chemical Corporation, 1900 N. Gateway Boulevard, Suite 152, Fresno, CA 93727, (209)252-5121, or 7140 S.W. Fir Loop, Suite 110, Portland, OR 97223, (503)620-4970.

Plate Features 24 Wells for Tissue Cultures

Corning Glass Works has added a 24-well plate to its line of 96-well Cell Wells plates for tissue culture applications.



Each well in the distortion-free polystyrene plate is 16 mm in diameter and coded separately. The untreated lid reduces condensation, and special lid rings and raised well rims reduce cross-contamination of tissue cultures. Recessed areas between the wells also help reduce cross-contamination during filling procedures. Well bottoms are on the same plane for quick, accurate microscopic scanning.

Contact: Allen C. Miller, Corning Glass Works, Corning, NY 14831, (607)974-8145.

