

## Next month:

### What Turfmen Should Know About Nematodes

of concentrate in 1 pint of water. Put the cap on the jar, and shake the jar 10 times. Place all test jars side by side for easy comparison. Observe for visible settling or layering at 5, 10, 15 and 30-minute and one-hour intervals. Any material which shows layering or settling within 5 minutes should be considered unsatisfactory. This layering may occur at either the top or bottom of the jar.

### II. Comparison with Skim Milk

Milk consists of small globules of oil and fats suspended in a water phase. It is a "quality" emulsion that can be used as a standard for comparative purposes.

Materials needed:

- A piece of flat glass.
- Black background.
- Sunlight or a strong artificial light.
- Eye dropper.
- Skim milk.

Procedure: Place the glass plate on the black background. Mix the pesticides as described in the settling test. Place one drop of milk next to each drop of "spray mix." The more closely a formulation resembles milk, the better its quality. Materials which appear granular or gritty should be considered questionable.

### III. Comparison of Globule Size (Optional)

(a) A few spraymen have microscopes. For these individuals it is easy to check globule size. Mix the pesticide in question as described in the settling test. Place a drop of the spray mix on a glass slide, cover with a cover slip, and observe with the microscope. One formulation can be compared to another very easily.

(b) 35 mm slide projectors can also be used to compare globule

size. Obtain a 2" x 2" glass slide binder for each formulation to be tested. Mix the pesticide as described in the settling test. Place one drop of "spray mix" on a 2 x 2 glass slide, then cover the drop with another 2 x 2 glass slide. Tape the two pieces of glass together.

Set up your slide projector so that the projected "picture" of a 35 mm slide covers an area 5 feet wide. At this distance your projector gives about 40-power magnification. Place the slides which have been prepared in the projector and focus.

#### References

- Anonymous. "Atlas Surface Active Agents," 1948, Atlas Powder Company, Wilmington 99, Delaware.
- Anonymous. "Emulsions and Detergents," 1961, Union Carbide Chemicals Corporation, New York, New York.
- Ebeling, Walter. "Subtropical Entomology," Lithotype Process Company, San Francisco, California, pages 183-196.
- Frear, D. E. H. "Chemistry of Insecticides, Fungicides and Herbicides," D. Van Nostrand Company, Inc., New York, New York, pages 287-298.

## Southern Weed Conference Set for Memphis, Jan. 15-17

"Winter Weed Removal from Dormant Turf," is one of several key subjects to be discussed at the annual Southern Weed Conference when it meets January 15-17 at the Heidelberg Hotel in Jackson, Miss.

Also of particular interest to urban/industrial vegetation managers are talks on "Tolerance of Warm Season Turf Grasses to Herbicides," by Dr. E. O. Burt of the Florida Agricultural Experiment Station in Ft. Lauderdale, and "Crabgrass Control in Turf," by three researchers from Virginia Polytechnic Institute, Blacksburg.

The Southern Weed Conference is open to all interested applicators, and others, who may obtain additional information by writing to James M. Brown, Chairman, Public Relations Committee, Southern Weed Conference, P.O. Box 12285, Memphis, Tenn. 38112.

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