

recognized as important factors in the effectiveness of weed control programs, he said.

"Optimum conditions for weed control when using Dicamba and Mecoprop would be to have adequate soil moisture and temperatures between 70 and 75 degrees.

"We have seen on numerous occasions the importance of having adequate water as a carrier for Dicamba or Mecoprop. One-half to three-quarters pound of actual material

applied in 40 to 50 gallons of water per acre will give excellent results.

"The same rate of actual material in 20 gallons of water per acre will give very poor results.

"We have found that Dicamba and Mecoprop have a wide margin of safety when used intelligently. Repeated applications from year to year, on the other hand, have shown thinning of bentgrass and bluegrass. Complete kill has been noted on turf when herbicides were misused."

TABLE I. HERBICIDE RECOMMENDATIONS

Weed	Annual or Perennial	to Use Chemical	Time of Application	Degree of Control
Black medic	annual	silvex or dicamba	early spring	good
Chickweed, common	annual	silvex, MCPP or dicamba	spring or fall	good
Chickweed, mouse ear	perennial	silvex, MCPP or dicamba	spring or fall	good
Chicory	perennial	2,4-D or silvex	spring	good
Dandelion	perennial	2,4-D or MCPP	spring or fall	good
Dock, curly	perennial	2,4-D or dicamba	spring or fall	good
Garlic or onion	perennial	2,4-D ester or dicamba	early spring late fall	fair
Ground Ivy	perennial	silvex or MCPP	spring, summer or fall	fair to good
Heal-all	perennial	2,4-D	spring	good
Henbit	annual	silvex	spring	good
Knotweed	annual	2,4-D or MCPP	spring	fair
Mallow, roundleaf	annual	silvex	spring	fair
Plantain, buckhorn	perennial	2,4-D or MCPP	spring or fall	good
Plantain, common	perennial	2,4-D or MCPP	spring or fall	good
Poison ivy	perennial	2,4,5-T or silvex	spring or summer	good
Red sorrel	perennial	dicamba	spring, summer or fall	good
Speedwell, thyme-leaved	perennial	dicamba or endothall	spring or fall	fair
Speedwell, annual	annual	dicamba or endothall	spring or fall	fair to good
Spurge, spotted	annual	silvex or dicamba	spring	good
Thistle	perennial or biennial	2,4-D or dicamba	spring or fall	fair to good
White clover	perennial	silvex, MCPP	spring, summer or fall	good
Wood sorrel	annual	silvex or dicamba	spring	fair to good
Yarrow	perennial	dicamba	spring or fall	fair to good

World Pesticide Symposium Set at MSU for Feb. 25-27

Six hundred of the world's top researchers will convene for a pesticide symposium and the dedication of Michigan State University's Pesticide Research Center, Feb. 25-27, at East Lansing.

Speakers and topics have been confirmed for the "Symposium on Pesticides in Soil: Ecology, Degradation and Movement," according to Dr. Gordon E. Guyer, chairman of MSU's entomology department and director of the Pesticide Research Center.

The symposium will be keynoted by J. Van der Drift, soil biologist from the Netherlands and summarized by Dr. L. J. Audus of the University of London.

Presenting research papers during the meeting will be scientists from Germany, Canada, England and the United States.

A tour of MSU's new Pesticide Research Center will be conducted Thursday afternoon, Feb. 26, and the center will be officially dedicated that evening.

"The symposium is built around this interdisciplinary approach to research," said Dr. Guyer. "Scientists will report on the effects of pesticides on our environment and the latest efforts to reduce pesticide residues."

Central Chemical Forms Turf Products Division

Central Chemical Corporation, Hagerstown, Md., has formed a turf products division.

President Franklin M. Thomas, Jr., said the new division's purpose will be to serve the turfgrass industry with selected fertilizers, chemicals and specialties.

George Cassel has been named division manager. Headquarters will be at Central Chemical's Everett, Pa., offices. Cassel, a Penn State graduate, is a 19-year employee in the company's agricultural group.

James M. Edgar, who has been associated with the golf industry, has been hired as the division's first sales specialist.

**MARCH:
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