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Controlling Common Milkweed

Michigan State University Extension Service

IPM Facts

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Issued December 1992

2 pages

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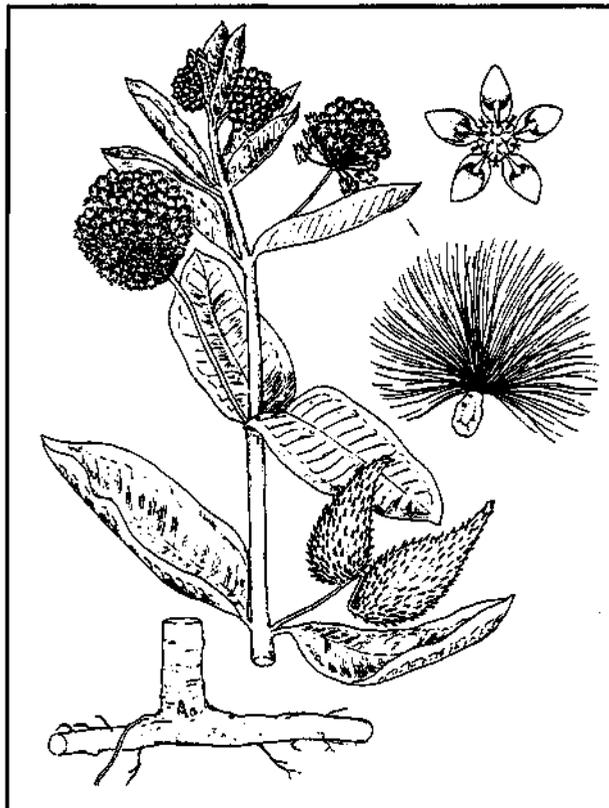
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What is a Perennial Weed?

A perennial weed is any weed capable of surviving for three or more years. Perennial weeds are characterized by vegetative reproduction. Vegetative reproduction in these species is due to (a) rhizomes - underground creeping stems commonly found in perennial grasses; (b) stolons - prostrate stems or runners on the soil surface with roots at the nodes; (c) creeping roots; (d) tubers - underground enlarged storage stems; or (e) bulbs - underground storage organs consisting of a stem axis covered with many overlapping leaf scales.

Perennial weeds may or may not reproduce by seed. They always, however, have the potential to reproduce by vegetative means.



Description of Common Milkweed

Common milkweed grows from creeping roots. Stems are coarse, usually non-branched, 2 to 5 feet tall, and covered with short downy hairs. The plant has a milky juice. Leaves are oblong, 4 to 8 inches long and 2 to 7 inches wide, leathery, and have prominent veins. The sweet-smelling flowers are

found in ball-like clusters and are pink to white. Seed pods are grayish, hairy, and covered with soft spines. Seeds are brown, flat, oval, with a tuft of silky hairs at the tip. Common milkweed reproduces by seed and underground spreading roots.

Common milkweed is often found as scattered plants in cultivated fields, especially under minimum tillage conditions, pastures, and wastelands. Seedlings become perennials within 21 days of emergence.

Methods of Control

Methods of perennial weed control fall into three categories: (a) cultural, such as crop rotation; (b) mechanical, tillage including various implements such as plows, disks, or cultivators; and (c) chemical, using herbicides. Control of perennial weeds may require a combination of all these methods. Consider the energy and environmental implications when choosing a method of control.

Mechanical Control

Mechanical control may increase or decrease perennial weed infestations. Tillage may increase infestations by moving perennial weeds to new areas of the field or breaking dormancy of underground buds resulting in

new shoot growth. Tillage during cool, wet conditions results in reduced control.

Tillage may decrease perennial weed infestations if done frequently enough to deplete underground root reserves. The field should be tilled every two or three weeks. Warm, dry soil conditions increase the effectiveness of tillage for perennial weed control by drying plant roots on the soil surface.

Chemical Control of Common Milkweed

Soybeans

Cultivation will suppress growth. Roundup ropewick applications provide fair control of top growth only.

Corn

| <u>Herbicide</u> | <u>Rate</u> | <u>Timing¹</u> <u>(Weed height)</u> | <u>Effectiveness</u> |
|----------------------|---------------------|---|----------------------|
| Banvel | 1/2 pt/A | POST (8") | Poor-Fair |
| Banvel + 2,4-D amine | 1/4 pt/A + 1/2 pt/A | POST (8") | Poor-Fair |
| 2,4-D amine | 1 pt/A | POST (8") | Poor |

Spot Treatments and Between Crops

| <u>Herbicide</u> | <u>Rate</u> | <u>Timing¹</u> <u>(Weed growth stage)</u> | <u>Effectiveness</u> |
|----------------------|-------------------------|---|----------------------|
| Roundup | 2% | Spot treatment (late bud to flower) | Fair-Good |
| Roundup | 3 qt/A | Late bud to flower | Fair-Good |
| Banvel | 1 - 2 qt/A ² | Late bud to flower | Fair-Good |
| Banvel + 2,4-D ester | 1/2 pt/A + 1 pt/A | Late bud to flower | Fair |

¹ Fall applications provide the most effective control.

² Banvel at 1 qt/A will provide suppression; 2 qt/A will provide control.

This bulletin was originally prepared with the support of the U.S. Department of Energy, Grant No. DE-FG0276CS60204. However, any opinions, findings, conclusions or recommendations expressed herein are those of the author(s) and do not necessarily reflect the views of DOE.

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