



# AGRICULTURAL BULLETIN



VELPAR® WEED KILLER  
ALFALFA

ACCEPTED  
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SUPPLEMENTAL LABELING  
EPA REG. NO. 352-378

378 3/78  
VELPAR® WEED KILLER  
FOR CONTROL OF CERTAIN WEEDS IN ESTABLISHED ALFALFA

## GENERAL INFORMATION

Du Pont Velpar® Weed Killer is recommended for control of certain weeds in established alfalfa.

Sufficient moisture is necessary to activate the herbicide. Best results are obtained when 1/2 to 1" of rainfall or sprinkler irrigation occurs within two weeks after application, soil is moist at time of application, and weeds have not germinated or are less than 2" tall or across.

Since the effect of "Velpar" on alfalfa varies with soils, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

## DIRECTIONS FOR USE

Treat only stands of alfalfa established for one year or for one growing season, provided the alfalfa root system is well established and the crop is healthy, vigorous and not under stress from weather conditions, insect or disease damage. Do not use on seedling alfalfa nor on alfalfa-grass mixtures or on other mixed stands.

Make a single application of "Velpar" in the fall or winter after alfalfa becomes dormant or in the spring before new growth begins. Exception: In certain north-eastern\* and Midwestern states, make a single application at 1/2 to 1 1/2 lbs. per acre in the fall or winter after plants become dormant or in the spring before new growth exceeds 2" in height or to stubble after cutting following hay removal and before regrowth exceeds 2" in height.

Apply "Velpar" using a fixed boom power sprayer or aerial equipment. Before spraying, calibrate equipment to determine the quantity of water necessary to uniformly and thoroughly cover the vegetation in a measured area to be treated. The sprayer must be properly calibrated to a constant speed and rate of delivery. Avoid overlapping and shut off spray booms while starting, turning, slowing, or stopping to prevent crop injury.

Add the "Velpar" to a water-filled tank. Agitate, for approximately 10 minutes, vigorously enough to prevent settling in order to dissolve the product. Use at least 10 gallons of water for each pound of "Velpar" in aerial equipment. Apply in at least 20 gallons of spray per acre in ground equipment.

USE RATES

Rate selection is to be based on soil texture and organic matter content as follows:

Soil Texture/Organic Matter Content	Pounds/Acre
Gravelly or rocky soils, exposed subsoils, hardpan, sand, poorly drained or alkali soils.	Do not use.
Sandy loam, loamy sand, loam, silt, silt loam, and sandy clay loam with less than 1% organic matter.	1/2 to 3/4
Silty clay loam, clay loam, sandy clay, silty clay and clay with 1% organic matter or higher.	3/4 to 1 1/2
Soils having more than 5% organic matter. <sup>1</sup>	1 to 1 1/2

<sup>1</sup>On soils high in organic matter, the effectiveness of "Velpar" can be significantly reduced and weed control may be unsatisfactory.

WEED SPECIES CONTROLLED

"Velpar" when applied preemergence or early postemergence will control the following winter annual and spring germinating weeds:

1/2 to 1 lb./acre

annual bluegrass	foxtail
blue mustard	jimsonweed
common chickweed	orchardgrass
common groundsel	purple mustard
common lambsquarter	salsify
crabgrass	sheperdspurse
fiddleneck	spurry
field pennycress	tansy mustard
filaree	yellow rocket
fleabane	

1 to 1 1/2 lbs./acre

downy brome or cheatgrass ( <i>Bromus tectorum</i> )	annual ryegrass
ivy leaf speedwell	sweet clover
prickly lettuce	purslane speedwell

1 to 1 1/2 lbs./acre will give partial control<sup>2</sup> of:

common dandelion	seedling alfalfa
false dandelion	white cockle
Mexican tea	wild oats
perennial bluegrass	

<sup>2</sup>Partial control is an observable reduction in weed competition as compared to an untreated area. Degree of partial control can vary with soil type, environmental factors, and size of weeds at the time of application.

#### REPLANTING

Except in low annual rainfall areas (20" or less), corn may be planted 12 months after the last treatment provided the soil is deep disked or plowed prior to planting. Do not plant treated areas to any other crop within two years after treatment or injury to crop may result.

NOTE: Because crop injury may result, do not apply to actively growing alfalfa nor to stubble between cuttings except as recommended for certain northeastern\* and midwestern\* states. Extremely heavy rainfall or more than 1" of irrigation soon after application may result in crop injury or non-performance. Do not use in low desert valleys in California. Do not apply to snow covered frozen ground.

Do not graze or feed treated forage or hay to livestock within 30 days following application.

\*Northeastern and midwestern states are:

Connecticut	Kentucky	Minnesota	Pennsylvania
Delaware	Maine	Missouri	Rhode Island
Illinois	Maryland	New Hampshire	Vermont
Indiana	Massachusetts	New Jersey	Virginia
Iowa	Michigan	New York	West Virginia
		Ohio	Wisconsin

#### IMPORTANT

BEFORE USING "VELPAR", READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on package label. Follow the instructions carefully.

6/23/80  
(Revised 11/8/82)