

HERBICIDES FOR ALFALFA WEED CONTROL

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Numerous herbicides are available for controlling weeds in pure or mixed stands of alfalfa. In addition, these herbicides can be applied at different times and stages of alfalfa growth -- from prior to planting to actively growing alfalfa to dormant applications during the winter. To be confident of achieving the desired weed control, it is important to apply alfalfa herbicides at the proper growth stage and rate.

The following tables contain information pertinent to proper utilization of the herbicides to obtain maximum weed control.

Table 1. Herbicides for weed control in new seedings of pure alfalfa stands

<u>Herbicide</u>	<u>When to Apply</u>	<u>Rate/Acre</u>	<u>Carrier Volume Ground Applications</u>
Balan 1.5E	Prior to seeding Incorporate	3-4 qt	5-40
Eptam 7E	Prior to seeding Incorporate	3.5 pt	10-50
GENEP EPTC-7EC	Prior to seeding Incorporate	3.5 pt	10-50
Butyrac 200	Fall or Spring to weeds less than 1 inch tall and 2-4 weeks after alfalfa emerges	2 qt	10 or more
Furloe 4EC	Apply after seed- lings have 4 true leaves	1-3 qt	20 or more
Kerb 50W	Apply after alfalfa has 1 true leaf	1-3 lb	20-50

Table 2. Herbicides for dormant applications to pure alfalfa stands. Alfalfa must be dormant (not actively growing) to avoid crop injury.

<u>Herbicide</u>	<u>Rate/Acre</u>	<u>Carrier Volume Ground Applications</u>
Paraquat	2 pt	20-60
Lexone 4L	1-1.25 pt	10-40
Lexone DF	.7-.8 lb	10-40
Sencor 4	1-2 pt	10-40
Sencor DF	.7-1.3 lb	10-40
SINBAR 80W	1-1.5 lb	40 or more

Table 3. Herbicides than can be applied to either actively growing or dormant alfalfa

<u>Herbicide</u>	<u>When to Apply</u>	<u>Rate/Acre</u>	<u>Carrier Volume Ground Applications</u>
Butyrac 200	Fall or Spring Small Weeds	2 qt	10 or more
Furloe 4EC	Oct-thru-Jan 1-2 qt After Feb 1, 2-3 qt	1-3 qt	20 or more
Kerb 50W	After alfalfa has 1 true leaf	1-3 lb	
PRINCEP 80W	Alfalfa less than 1 year old, use 1 lb/A. Stands older than 1 year use 1.25 lb/A.	1-1.3 lb	20 or more
Princep Caliber 90	Alfalfa less than 1 year old, use .9 lb/A. Stands older than 1 year, use .9 to 1.1 lb/A.	.9-1.1 lb	20 or more
Velpar L	To stands older than 1 year, apply after cutting and hay removal or when dormant	1-3 qt	20 or more

Table 4. Herbicides that can be applied after hay removal and before new growth begins

<u>Herbicide</u>	<u>When to Apply</u>	<u>Rate/Acre</u>	<u>Carrier Volume Ground Applications</u>
Paraquat	Within 5 days after cutting	1 pt	20-60
Velpar L	Before regrowth exceeds 2 inches in height	1-3 qt	20 or more

Table 5. Weeds controlled with alfalfa Herbicides

<u>Herbicide</u>	<u>Weeds controlled</u>
Balan	Crabgrass, foxtails, fall panicum, pigweeds
Butyrac 200	Common ragweed, lambsquarters, mustards, pennycress, pigweeds, yellow rocket
EPTAM	Crabgrass, fall panicum, foxtails, johnsongrass (from seed)
Furloe	Chickweed, cress, purslane, shepherdspurse, smartweed
Genep EPTC	Crabgrass, fall panicum, foxtails, johnsongrass (from seed)
Kerb	Chickweed, mustards, orchardgrass, quackgrass, red sorrel, shepherdspurse
Lexone	Chickweed, dandelion, henbit, pepperweed, shepherdspurse, yellow rocket
Paraquat	Small annual grasses and broadleaf weeds
Sencor	Chickweed, dandelion, henbit, pepperweed, shepherdspurse, yellow rocket
Sinbar	Chickweed, crabgrass, foxtails, henbit, larksquarters, mustards, pepperweed, purkly lettuce, shepherdspurse, yellow rocket
Velpar	Chickweed, crabgrass, foxtails, shepherdspurse, yellow rocket, downy brome