

FORAGE CROP AND PASTURE WEED CONTROL

*HERBICIDES FOR ALFALFA AND OTHER LEGUME HAY CROPS**

Crop and Application Timing	Herbicide	Rate/Acre Broadcast		Weeds Controlled, Remarks and Precautions
		Active Ingredient	Formulation	
ALFALFA-PREPLANT, NO-TILL	Gramoxone Inteon 2SL (paraquat)	0.63-1.0 lbs.	2.5-4.0 pts.	Use to control most annual and some perennial weeds prior to seeding. In sod, best results have been obtained with a split application (1.25-2.5 pts./A, 10 days to 3 weeks prior to planting, followed by 1.25 pts./A at planting). Apply in a minimum of 10 gals. of water/A. Add nonionic surfactant at 2 pts. per 100 gal. of spray mix.
	Touchdown/others** (glyphosate 3ae)	0.75-2.25 lbs. (a.e.)	32-96 ozs. 3ae	For control of most annual weeds and better control of perennial weeds than Gramoxone Inteon. On most perennial weeds, glyphosate performs better in the fall than in the spring. See label for rates on individual weed species.
	Roundup PowerMax** (glyphosate 4.5ae)		22-64 ozs. 4.5ae	
Alfalfa, Birdsfoot Trefoil, Ladino or Red Clover, Lespedeza-PREPLANT	Eptam 7EC (EPTC)	3 lbs.	3.5 pts.	Apply preplant incorporated to control crabgrass, foxtails, seedling johnsongrass, chickweed, pigweed, and other annual grasses and small-seeded broadleaves. Do not use if small grains or forage grasses are to be seeded with the legume. If possible, spray and incorporate Eptam in one operation.
Alfalfa, Birdsfoot Trefoil, Ladino or Red Clover - SEEDLING	Butyrac 200 2SC (2,4-DB)	1-1.5 lbs.	4-6 pts.	Controls small seedlings of musk thistle, turnips, cocklebur and ragweed. Does not control chickweed or henbit. Treat before weeds exceed 3 inches tall and when legume has two or more trifoliate leaves.
Alfalfa, Birdsfoot Trefoil, Ladino or Red Clover - SEEDLING or ESTABLISHED	Kerb 50WP (pronamide)	0.75-1 lb.	1.5-2 lbs.	On pure alfalfa stands, use to control chickweed and several winter grasses such as ryegrass, cheat and annual bluegrass. Apply after legumes have reached the trifoliate stage. Do not apply if temperatures are above 55 F.
Alfalfa, SEEDLING or ESTABLISHED	Pursuit 2AS or 70DG (imazethapyr)	0.063-0.094 lb.	4-6 ozs. 2AS or 1.44-2.16 ozs. 70DG	Apply overtop in seedling or established alfalfa to control several annual broadleaf weeds and some annual grasses. Higher rate required for grass control. Seedling alfalfa must be in the 2 trifoliate stage or larger. Apply before most weeds exceed 3 inches in height. Good control of pigweed, morningglory, cocklebur, foxtails and seedling johnsongrass. Always add nonionic surfactant at 1 qt./100 gal. of spray mix.
Alfalfa-ESTABLISHED	Butyrac 200 2SC (2,4-DB)	1-1.5 lbs.	4-6 pts.	Controls small seedlings of musk thistle, turnips, cocklebur and ragweed. Does not control chickweed, henbit, plantain or dock. Treat before weeds exceed 3 inches tall.
Alfalfa, Clover, Birdsfoot Trefoil - SEEDLING OR ESTABLISHED	Poast 1.5E (sethoxydim)	0.19-0.28 lb.	1-2.5 pts. 1.5E	Apply low rate overtop to seedling or established crop for control of crabgrass, goosegrass, foxtails and other annual grasses. Use higher rate for johnsongrass and bermudagrass. A second application may be needed for control of regrowth. Always add crop oil concentrate at 2 pts./A.
Alfalfa, Birdsfoot Trefoil - SEEDLING OR ESTABLISHED	Select 2EC (clethodim)	0.094-0.125 lb.	6-8 ozs.	Apply overtop to control crabgrass, fall panicum, broadleaf signalgrass or other annual grasses and johnsongrass. Use 6 to 8 ozs./A in seedling alfalfa and 8 ozs./A in established alfalfa for annual grasses. Use 8 ozs./A for johnsongrass. Always add crop oil concentrate at 1 qt./A.

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Alfalfa - DORMANT FALL-SEEDED ESTABLISHED	Gramoxone Inteon 2SL (paraquat)	0.19-0.31 lb. 0.25-0.5 lb.	0.75-1.25 pts. 1.0-2.0 pts.	Apply to dormant, pure alfalfa during late fall or winter months for control of chickweed, henbit, bluegrass and downy brome, and suppression of perennial grasses including orchardgrass, timothy, and smooth brome. Use a minimum of 10 gallons of water by ground, or 5 gallons of water by air. Always add a nonionic surfactant at 0.25% (1 qt. per 100 gallons of spray mix.) Application to alfalfa that is not dormant, or has broken dormancy, may result in stand and/or yield reductions. Replanting may be necessary. Green alfalfa foliage present at the time of application will be burned. Make only one application per season.
Alfalfa - DORMANT ESTABLISHED	Sencor or Lexone 4 L or 75 DF (metribuzin)	0.5-0.75 lb.	1-1.5 pts. 4L, or 0.67-1 lb. 75 DF	Apply to dormant pure alfalfa or alfalfa-grass mixtures to control chickweed, henbit and several other broadleaf weeds. A partial reduction in grass stand may occur. Do not apply after new growth starts.
Alfalfa - ESTABLISHED or FIRST-YEAR, BETWEEN CUTTINGS	Gramoxone Inteon 2SL (paraquat)	0.25 lb.	1.0 pts.	Apply immediately after alfalfa hay is removed for control of many seedling broadleaf and annual grass weeds. Do not treat more than 5 days after cutting. Add surfactant at 1 pt./100 gal. of spray mix. Alfalfa foliage present at time of application will be burned. First year alfalfa stands and yields may be reduced if alfalfa is allowed to regrow more than 2 inches.

^aCoarse-textured soils ^bMedium-textured soils ^cFine-textured soils

*See Table for Grazing and Hay Cutting Restrictions

**NOTE: Several brands of glyphosate have become available in recent years. Products differ in terms of concentration, rates and addition of surfactant. Always read the label before application.

Grazing and Cutting Restrictions for Alfalfa Herbicides - Lactating Dairy Animals (Days to Wait)

Herbicide	Grazing	Hay Cutting
Butyrac 200 Seedling Established	60 30	60 30
Eptam	14	14
Gramoxone Inteon Between cuttings Dormant	30 60	30 60
Kerb	120	120
Poast	7	14
Pursuit	30	30
Roundup PowerMax And other glyphosate formulations (burndown)	56	56
Select	15	15
Sencor/Lexone	28	28