

PASTURE and FORAGES

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
PERMANENT PASTURES WITH WHITE OR LADINO CLOVER:			
2,4-D amine @ 0.75-1.0 lb/A	2,4-D Amine @ 1.5-2.0 pt/A Apply in 10-20 GPA by ground or 2-5 GPA by air	Dock, plantain, bull thistle, buttercup, other winter or spring growing broadleaf weeds. Bitterweed, fleabane, ragweed, marsh elder, goatweed, pigweed and many other summer growing broadleaf weeds	Apply when weeds are small in Oct. and Nov. and/or Feb. and March. May be sprayed in the summer and early fall if no 2,4-D susceptible plants are nearby. Fall spraying of dock is most effective. A second application may be required for complete kill at these rates. Do not apply 2,4-D if temperature is below 65° F. Some injury can be expected to established white or ladino clover. Do not apply 2,4-D in fall prior to seedling clover. Spray these weeds in the spring if cotton or other phenoxy susceptible crops are not nearby. Use the higher rate for fall spraying of more mature weeds.
2,4-D amine @ 1.0-2.0 lb/A	2,4-D Amine @ 1.0 - 2.0 qt/A Apply in 10-20 GPA by ground or 2-5 GPA by air	Cypressweed, dog fennel, common mullein, jimsonweed	Apply when weeds are small, usually from April to June; but can be applied all summer and into early fall. Rates in excess of 1.0 lb Amine or 0.5 lb LVE 2,4-D will kill or severely injure clover. Lower rates of 2,4-D will control these weeds in seedling stage but higher rates required for more mature weeds.
paraquat @ 0.25 lb/A	Gramoxone Inteon @ 16 oz/A Apply with NIS @ 1.0 qt/100 gal	Little barley and annual broadleaf weeds such as buttercup, wild geranium etc	Apply during the winter before bermudagrass breaks dormancy. Do not cut hay or graze within 40 days after treatment. If little barley is present, apply just before head emerges from boot.
PERMANENT PASTURE WITHOUT LEGUME:			
<i>Herbicide treatments suggested for use on permanent pastures with clovers can also be used on permanent pastures without clovers.</i>			
2,4-D LVE @ 1.0 lb/A	2,4-D LVE @ 1.0 qt/A Use 20 GPA and apply with NIS @ 1 pt/100 gal water	Wild garlic and wild onions	Spray in late fall (Oct. & Nov.) and during Feb. or early March. All legumes will be killed. Two applications for 2 to 3 years will be necessary for control.
DO NOT GRAZE DAIRY COWS ON TREATED AREAS WITHIN 7 DAYS AFTER THE APPLICATION OF 2,4-D.			
metsulfuron methyl @ 0.14 oz/A	Ally 60 DF, Farmsaver, Metsulfuron methyl @ 0.3 oz. Apply with NIS @ 1 qt/100 gal	Bahiagrass and some broadleaf weeds.	Apply when weeds are actively growing. For use on common and hybrid bermudagrass. There is no grazing restriction.
aminopyralid @ 0.06-0.11 lb/A	Milestone @ 4.0-7.0 oz/A	Horsenettle, tropical soda apple and green briar.	Apply when weeds are actively growing. Effective on young weeds where no soil residual is desirable.
dicamba @ 0.25-0.5 lb/A	Banvel, Clarity @ 0.5-1.0 pt/A Apply in 10-20 GA; see label for surfactant	Most broadleaf weeds and small brush.	Apply when weeds are actively growing. Do not use seed from treated grass for food or feed purposes. Do not graze meat animals within 30 days of slaughter. Do not graze dairy animals within 7 days at 0.5 lb/A or within 21 days @ 1.0 lb/A. Dairy animals should not be fed dry hay from treated area within 5 days.

PASTURE and FORAGES

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
PERMANENT PASTURE WITHOUT LEGUME: continued			
metsulfuron methyl @ 0.19-0.75 oz/A + dicamba @ 0.13-0.50 lb/A + 2,4-D @ 0.36-1.44 lb/A	Cimarron Max @ 0.25-1.0 oz/A Part A + 1.0-4.0 pt/A Part B	Most broadleaf weeds and bahiagrass. Higher rates on more difficult to control weeds.	Apply when weeds are actively growing. For use on bermudagrass. Do not use on bahiagrass or temporary grass pastures. Do not use in 2,4-D restricted areas. Consult label for tolerance to other grass crop species.
	Apply with NIS @ 1 qt/100 gal or COC @ 1 gal/100gal		
triclopyr @ 0.25 lb/A + 2,4-D @ 0.50 lb/A	Crossbow @ 1.0 qt/A	Most broadleaf weeds. Also effective on briars and multiflora rose.	Apply in spring and summer. Do not use where dairy cattle will graze. Remove livestock from treated area at least three days before slaughter.
picloram @ 0.125-0.25 lb/A + 2,4-D @ 0.50-1.0 lb/A	Grazon P+D @ 2.0-4.0 pt/A	Most annual and perennial broadleaf weeds	Apply when weeds are small and actively growing. Good control of hard to kill weeds, especially dogfennel and horsenettle. Good control of Chinese tallow. Limited grazing restrictions. Do not apply around desirable trees and shrubs.
dicamba @ 0.13- 0.26 lb/A + diflufenzopyr @ 0.05-0.10 lb/A	Overdrive @ 4.0-8.0 oz/A	Pigweed, buttercup, horsenettle, broadleaf dock, other broadleaf weeds	Apply when plants are actively growing. Useful in many pasture situations. Recommended for use in 2,4-D restricted parishes and areas.
	Apply in 10-20 GPA with NIS @ 1 qt/100 gal		
triclopyr @ 0.38 lb/a + fluroxpyr @ 0.13 lb/A	PastureGard @ 2 pt/A	Most annual and perennial broadleaf weeds.	Apply when weeds are actively growing. Can be used in 2,4-D restricted or banned areas. Do not use on forages grazed or fed to lactating dairy animals. Do not harvest hay for 14 days after application.
	Apply in 10-20 GPA with NIS @ 1-2 qt/100 gal		
imazapic @ 0.0625-0.093 lb/A	Plateau @ 4-6 oz/A	Johnsongrass, annual ryegrass, little barley, dallisgrass, vaseygrass and some broadleaves	Apply when bermudagrass is dormant or after full greenup. Safe on common bermudagrass and the following hybrids: Coastal, Alecia, Russel and Tifton. All hybrids have not been tested. DO NOT apply during greenup in the spring. Severe stunting and growth reduction will occur. Add 1-2 pts/A 2,4-D for additional broadleaf control if needed. No grazing restriction, 7 day haying restriction.
triclopyr @ 1.0-1.5 lb/A	Remedy/Remedy Ultra @ 1.0-2.0 qt/A	Most woody brush. Can be mixed with 2,4-D to increase spectrum	Apply when brush is fully leafed out. Good control of Chinese tallow and berry briars. Good fencerow treatment. 14 day grazing restriction for lactating dairy cows. No grazing restrictions for other livestock at recommended rates. Can be used in 2,4-D restricted areas.
tebuthiuron @ 1.0-4.0 lb/A	Spike 20 P @ 20 lb/A	Most woody plants	Apply any time grass is dormant. Can cause temporary damage to grasses. Spot treat where possible. Do not use in vicinity of desirable trees.

PASTURE and FORAGES

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
PERMANENT PASTURE WITHOUT LEGUME: continued			
picloram @ 0.23 - 0.30 lb/A + fluroxpyr @ 0.18-0.24 lb/A	Surmount @ 2-3 pt/A Apply in 10-20 GPA with NIS @ 1- 2 qt/100 gal - by ground	Good control of most hard to control woody species.	Apply when weeds are actively growing. Can be used in 2,4-D restricted or banned areas. Do not use on forages grazed or fed to lactating dairy animals. Do not harvest hay for 7 days after application. Livestock must be withheld for 3 days priors to slaughter.
picloram – see comments	Tordon 22K – see comments	Waxmyrtle and eastern red cedar	Apply in spring or fall. Apply as a spot treatment. Use 3 ml. (cc) of undiluted Tordon 22K per 3 ft. of plant height. Follow grazing restrictions.
hexazinone @ 0.75 lb/A	Velpar @ 3.0 pt/A	Smutgrass and certain broadleaf weeds	Apply when smutgrass is actively growing. For use on bermudagrass and bahiagrass pastures. Do not use on other desirable vegetation. Observe grazing restriction.
dicamba @ 0.13-25 lb/A + 2,4-D amine @ 0.37-0.75 lb/A	Weedmaster @ 1-2 pt/A OR Banvel, Clarity @ 0.25-0.50 pt/A + 2,4-D amine @ 0.75-1.5 pt/A	Several young broadleaf weeds	Apply when weeds are actively growing. Consult label for weed species controlled by the different rates and for grazing and hay making restrictions of treated forage.
NOTE: Herbicide treatments recommended on permanent pastures are also recommended for bermudagrass. Do not apply above mentioned herbicides to temporary broadleaf pastures such as alyce clover, peas, vetch, or clover. Currently there are no recommended herbicides for temporary broadleaf pastures.			
FORAGE SORGHUM OR SORGHUM SUDAN HYBRIDS			
atrazine @ 1.6-2.0 lb/A	AAtrex 4L @ 3.2-4.0 pt/A AAtrex 80W @ 2.0-2.5 lb/A AAtrex Nine-O @ 1.7-2.2 lb/A	Some grasses and broadleaf weeds	Apply after planting before crop and weeds emerge. Do not use on light soils.
2,4-D @ 1.0 lb/A	2,4-D Amine @ 1.0 qt/A	Annual broadleaf weeds	Apply after grass is well established and broadleaf weeds are small. Do not graze lactating dairy animals within 7 days after treatment.
dicamba @ 0.13-0.25 lb/A + 2,4-D amine @ 0.37-0.75 lb/A	Weedmaster @ 1.0-2.0 pt/A	Same as above	Same as above
BERMUDAGRASS ESTABLISHMENT (sprigging only):			
diuron @ 0.8-2.4 lb/A	Diuron, Karmex @ 1-3 lbs/A	Crabgrass, pigweeds, morningglories, others	Apply after planting and before emergence of bermudagrass and weeds. DO NOT GRAZE WITHIN 70 DAYS OF APPLICATION. May cause temporary burn if bermudagrass is emerged. Use only on Bermudagrass stolons planted at least 2" deep.
ALFALFA			
benefin @ 1.12 - 1.5 lb/A	Balan 1.5/gal @ 3.0 qt/A on light soil 4.0 qt/A on heavy soil	Most annual grasses and many of the small seeded broadleaf weeds	Apply 2-3 weeks before planting up to planting. Incorporate thoroughly into upper 2-3 inches of soil immediately after application.
EPTC @ 3.0 lb/A	Eptam or GENEP @ 2.0 qt on all soils	Most annual grasses and broadleaf weeds and fair control of nutsedge	Apply just before planting. Incorporate thoroughly into upper 2- inches of soil immediately after application.

PASTURE and FORAGES

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
ALFALFA: continued 2,4-DB amine @ 1.0 lb/A	Butoxone or Butyrac @ 2.0 qt in 20 - 40 gal water	Annual and perennial broadleaf weeds including winter weeds such as dock, henbit, chickweed. Also annual summer broadleaf weeds in the seedling stage	Apply After alfalfa seedlings have 2 or more true leaves and weeds are in seedling stage. Do not graze or feed treated fields to livestock within 30 days after application. This material is similar to 2,4-D, therefore, apply so as to avoid drift.
sethoxydim @ 0.28 - 0.47 lb/A	Poast @ 1.5 - 2.5 pt/A + 2 pt/A COC in 5 - 20 gal water	Annual and perennial grasses	Apply before grasses exceed height limitations. Control generally better if application is made prior to cutting. Height limitations vary with the grass to be controlled. Follow label.
clethodim @ 0.125 - 0.25 lb/A	Select @ 8.0 - 16.0 oz/A + 1 qt/A or 1% v/v COC	Annual and perennial grasses	Apply before grasses exceed height limitations. Addition of a spray grade nitrogen fertilizer or ammonium sulfate may further improve weed control. Refer to label.