

**NATURAL RESOURCES CONSERVATION SERVICE  
BRUSH MANAGEMENT**

(Acre)

Code 314

**Supplement No. 2 – Herbicide Control of Mixed Brush Species**

**GENERAL SPECIFICATION**

This supplement is intended to provide guidance on control of brush species with herbicides in situations where there are multiple species (primary and secondary) to be controlled and herbicide treatments may be different for each individual species. The rates provided in Table 1 are for broadcast applications.

The guidance provided is for common species mixes found in eastern Oklahoma. Treatments for individual species are found in the current Brush Management Specifications.

Best control of brush species is achieved when plants have adequate foliage. The more foliage, the better the control as these

are translocated herbicides. Do not apply herbicides immediately prior to rains or when leaves have heavy, early morning dew. Always follow label directions.

**CRITERIA WHEN USING HERBICIDES IN CONJUNCTION WITH BRUSH HOGGING**

Herbicide control of most brush species will become more difficult with repeated brush hogging. Brush should not be brush hogged prior to spraying. This does not improve the effectiveness of the herbicide treatment as it alters the translocation patterns. At least one year of no disturbance of brush is needed before spraying is recommended. After spraying of woody species, do not brush hog for at least 90 days in order to achieve best control.

**Table 1. Common Herbicide Treatments for Mixed Brush**

Brush Species Mix	Herbicide Mixture	Herbicide Rates / acre	Volume / Acre	Timing	Remarks
Winged Elm with Sumac and/or locust	Grazon P+D*	1 gal	Follow label	Mid May – Mid June	Apply when winged elm has mature, fully developed, green leaves. At this rate of P+D, percent kill should be at least <b>(average) 75%</b> on winged elm.
Winged Elm with Blackberry	Grazon P+D* Remedy	1 gal 1 pt.	Follow label		
Sumac and Blackberry	Grazon P+D* Remedy	1 qt 1 pt – 1 qt	Follow label	Late May – early June	Use low rate of Remedy when blackberry is present but not a major concern. Use higher rate when it is a major concern
Sumac and/or blackberry with sericea	Grazon P+D Remedy	1 qt. 1 pt.	3 gallons	Late May – first of June	Optimum timing for sericea is June – July. Optimum for sumac and blackberry is earlier. This mix will be successful if sericea is at least 12-18 inches tall by June 1 <b>and in good condition</b> . This allows for control on all species. If not a recommended height, a decision needs to be made as to which species to spray for in current year with control for the other species taking place the following year.

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Brush Species Mix	Herbicide Mixture	Herbicide Rates / acre	Volume / Acre	Timing	Remarks
Buckbrush with Sumac and / or blackberry	2,4-D ester	1 lb.			When buckbrush is present, the best strategy is to spray it separate from the other species due to timing of application needed for best control. Buckbrush needs to be sprayed early (end of April, first of May) when plants turn a white / grayish color. Since this occurs earlier than timing for the sumac and blackberry, separate control is needed. When buckbrush is the major concern, spray it in current year and spray for sumac / blackberry the following year. If the sumac / blackberry is priority, spray in current year and evaluate and make decision for buckbrush control the following year.
Sumac with Persimmon	Grazon P+D Remedy	1 qt 1 pt	Follow label	May to end of June	If persimmon have been disturbed repeatedly (shredded), this method will result in minimal control. Undisturbed sites can average 50% control.
	2,4-D	1-1 ½ lb.	Follow label		Option for disturbed sites, use strong weed rates for 4-5 years.
Sumac with oak resprouts	Grazon P+D Remedy	1 qt 1 pt	Follow label	May - June	Use this first year and then use weed rate repeatedly until control achieved. Will take several years of suppression until control.
<b>NOTES / OTHER CONSIDERATIONS</b>					
*Tordon 22K can be substituted for the P+D		1 pt. In place of P+D as mixed with others specified above		Tordon may be herbicide selected where the 2,4-D in the P+D is not needed or cannot be used.	

/s/ Mark Moseley acting for:  
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 DATE