

Considerations for the Control of Blackberry Species in Missouri

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Blackberry Species in Missouri

Upright, Cane-type (Blackberries)

- *Rubus allegheniensis*, Common Blackberry
- *Rubus argutus*, Smooth Blackberry
- *Rubus occidentalis*, Black Raspberry
- *Rubus pensilvanicus*, Penn. Blackberry
- *Rubus armeniacus*, Himalaya Blackberry

Prostrate, Creeping-type (Dewberries)

- *Rubus flagellaris*, Dewberry
- *Rubus trivialis*, Southern Dewberry

Himalaya Blackberry

(*Rubus armeniacus* Focke)

- Native to western Europe, probably introduced as a cultivated variety
- Forms distinctly angled canes that may reach as much as 10 ft in height
- Leaves usually 5-foliolate and without hairs
- White flowers, usually blooming a bit later than native blackberries





Pasture w/ Himalayan Blackberry in late February



Pasture w/ Himalayan Blackberry in late April



Influence of Herbicides and Application Timings on Himalaya Blackberry Control

Treatments	Rate Product/A	Application Timing	
		Mid-flower % Control	Post-fruit 1 YAT
PastureGard	4 pts	77	42
Surmount	4 pts	46	39
Remedy Ultra	2 pts	67	36
Garlon EV	6 pts	56	51
2,4-D Ester + Remedy Ultra	1 qt 1 pt	71	33
Grazon P+D + Remedy Ultra	2 pts 1 pt	47	41
Cimarron	0.5 oz	58	85
Cimarron Max	Rate II	47	39
LSD (0.05) Treatments:		13	
LSD (0.05) Timings:		7	

*Mid-flower apps made 2 May, Post fruit-drop applications made 17 Aug



Northern Dewberry (*Rubus flagellaris* Willd.)

- A creeping perennial with trailing vines
- Usually grows less than 60-cm in height
- Blooms in early summer
- Commonly found in many hay fields and pastures in Missouri



Investigations Into the Control of Dewberry in Missouri



Influence of Herbicides & Application Timings on Dewberry Control 1 Year After Treatment (Salem, MO 2009)

Application Timing	Dewberry Control Across All Herbicide Treatments
--- # Stems/Plot 1 YAT ---	
Full Bloom	76
Fall	27



		Dewberry Control	
Treatment	Rate	Full Bloom Application	Fall Application (October)
	---product/A---	--# Stems/Plot 1 Year After Trtmt--	
Pasturegard	4 pts	73	24
Surmount	4 pts	49	32
Remedy Ultra	2 pts	63	26
Grazon P+D Remedy Ultra	2 pts 1 pt	61	42
Cimarron	0.4 oz	89	16
Cimarron Max	Rate 1	83	20
Cimarron Max	Rate 2	85	13
Chaparral	2 ozs	90	24
Chaparral 2,4-D Ester	2 ozs 1 qt	64	22
Chaparral	3 ozs	79	19
Forefront R&P	2 2/3 pts	82	61
Remedy Ultra 2,4-D Ester	1 pt 1 qt	84	37
DPX-MAT28	1 oz	90	14
Untreated	----	96	81
LSD(0.05) within timings (Columns):			24
LSD(0.05) across timings (Rows):			27

Influence of Herbicides & Application Timings on Dewberry Control 1 Year After Treatment (Salem, MO 2009)



Untreated

96 Stems/Plot

**0.4 ozs Cimarron/Acre
Full Bloom Application Timing**

89 Stems/Plot

**0.4 ozs Cimarron/Acre
Fall Application Timing**

16 Stems/Plot

Influence of Herbicides & Application Timings on Dewberry Control 1 Year After Treatment (Salem, MO 2009)



Untreated

96 Stems/Plot

**3 ozs Chapparral/Acre
Full Bloom Application Timing**

79 Stems/Plot

**3 ozs Chapparral/Acre
Fall Application Timing**

19 Stems/Plot

Influence of Herbicides & Application Timings on Dewberry Control 1 Year After Treatment (Salem, MO 2009)



Untreated
96 Stems/Plot



4 pts Pasturegard/Acre
Full Bloom Application Timing
73 Stems/Plot



4 pts Pasturegard/Acre
Fall Application Timing
24 Stems/Plot