

False chamomile control with fall- and spring-applied herbicides

The objective of the study was to evaluate false chamomile control with fall-applied residual herbicides compared to glyphosate applied fall and/or spring. Fall treatments were applied October 1, 2012 to 4- to 8-inch rosettes and 12- to 14-inch flowering plants (up to 4 per sq ft). Glyphosate was applied with all fall treatments at 22 fl oz. In the spring, glyphosate was applied over all treatments on May 29 when chamomile was emerging to 14-inches tall (up to 8 per sq ft). No other herbicides were applied in the spring.

Glyphosate applied alone in the fall or spring provided 60-68% chamomile control at the July 26 evaluation. Tank mixes including Lorox and Metribuzin increased control slightly (74-75%). Treatments containing Valor at 2 or 3 oz provided excellent long-term control (93-97%).

Treatment ^a	Rate	Timing ^b	False Chamomile Control					
			Old growth ^c		New growth ^c		Overall	
			May-29	Jun-25	May-29	Jun-25	May-10	Jul-26
			-----%-----		-----%-----		-----%-----	
Untreated / Gly	22 oz	Fall / Spring	0	80	0	64	0	60
Gly / Gly	22 oz / 22 oz	Fall / Spring	99	100	0	63	96	63
Gly + Lorox / Gly	22 oz + 2 lb / 22 oz	Fall / Spring	95	100	84	84	73	75
Gly + Lorox + Metri / Gly	22 oz + 1.25 lb + 3 oz / 22 oz	Fall / Spring	94	100	86	84	63	74
Gly + Lorox + Valor / Gly	22 oz + 1.25 lb + 2 oz / 22 oz	Fall / Spring	98	100	98	100	92	93
Gly + Lorox + Pursuit / Gly	22 oz + 1.25 lb + 2 oz / 22 oz	Fall / Spring	97	100	95	87	80	66
Gly + Valor / Gly	22 oz + 2 oz / 22 oz	Fall / Spring	98	100	93	100	95	95
Gly + Valor / Gly	22 oz + 3 oz / 22 oz	Fall / Spring	99	100	98	100	97	97
Gly	22 oz	Spring	0	77	0	67	0	68
Gly + Olympus / Gly	28.44 oz + 0.2 oz / 22 oz	Fall / Spring	99	100	33	64	97	72
LSD (0.05)			4.2	3.2	7.9	4.4	8.9	11.4
CV			4.2	2.8	9.3	3.2	7.6	10.3
^a Gly=Glyphosate; Metri=Metribuzin								
^b Fall treatments applied Oct 1, 2012. Spring glyphosate applied May 29, 2013.								
^c Old growth=plants emerged in the fall; New growth=plants emerged in the spring								