

Study Name: False chamomile control with fall-applied herbicides (0701)

Objectives: Evaluate false chamomile control with short vs. long residual herbicides applied in the fall.

Results:

A study was conducted near Carpio, ND to determine the effect of fall-applied herbicides for false chamomile control. Herbicides were applied on October 6, 2006. False chamomile plants were in multiple stages at application time. Some plants were flowering, others were in the rosette stage, and many seedlings were just emerging. False chamomile density ranged from 5-20 plants/ft². Individual plots were 10 by 30 feet. Treatments were evaluated for percent control in April and June 2007. Corn was planted in 2007.

Several of the herbicides in this study are experimental and not labeled for use. All treatments contained glyphosate, except for Treatment #4, which contained only Valor. The goal of the study was to compare short vs. longer residual herbicides for false chamomile control. KIH-485 and Valor provided longer false chamomile control compared to other treatments. Interestingly, Valor alone provided similar control to Valor + glyphosate.

The weed we call “false chamomile” tends to grow sometimes as a winter annual, annual, and possibly a short-lived perennial. We recommend that growers with false chamomile consider spraying in late fall and treat this weed as a perennial. It is important to control emerged plants in late fall as these are plants that become more difficult to control in the spring.

Treatment	Rate	Timing	False chamomile		
			-----% control-----		
			Apr 27	Jun 1	Jun 18
Linuron + Glyphosate	0.5 lb + 0.75 lb	Fall	100	83	76
KIH-485 + Glyphosate	0.225 lb + 0.75 lb	Fall	100	98	96
Valor + Glyphosate	2 oz + 0.75 lb	Fall	100	100	100
Valor	3 oz	Fall	98	97	97
Affinity BS + Glyphosate	0.4 oz + 0.75 lb	Fall	100	91	90
2,4-De + dicamba + Glyphosate	0.5 pt + 4 fl oz + 0.56 lb	Fall	100	84	78
Affinity BS + dicamba + Glyphosate	0.4 oz + 3 fl oz + 0.56 lb	Fall	99	91	82
BAS 800H + Glyphosate	2.85 fl oz + 0.56 lb	Fall	100	90	85
BAS 800H + Glyphosate	5.7 fl oz + 0.56 lb	Fall	100	95	91
Untreated			0	0	0
LSD			1.7	10.5	17.3
CV			1	7	13