

Flax tolerance to Bronate plus grass herbicides (2002)

Cathay flax was seeded May 17 into 7.5-inch rows at 50 lb/A. Individual plots were 10 x 30 ft and replicated three times. Treatments were applied postemergence on June 20. The primary weeds were green and yellow foxtail.

Treatment	Rate	Foxtail		Flax						
		Control		Injury			Height	Sep 10		
		Jul 8	Aug 19	Jun 24	Jul 8	Aug 19	Jul 16	Yield	Test Wt	Oil
—%—		—%—			in		bu/A	lb/bu	%	
Untreated		0	0	0	0	0	22.0	8	52.3	41.3
Bronate ^a	11.4 fl oz	0	0	12	15	13	21.5	5	51.5	42.2
Bronate ^a + COC	11.4 fl oz + 1% v/v	0	0	14	16	14	21.8	6	51.5	41.0
Bronate ^a + Select	11.4 fl oz + 5 fl oz	95	96	12	12	10	20.7	7	52.5	42.4
Bronate ^a + Select + COC	11.4 fl oz + 5 fl oz + 1% v/v	92	95	9	9	4	21.5	6	52.3	42.5
Bronate ^a + Poast	11.4 fl oz + 16 fl oz	82	85	11	11	9	21.3	5	52.3	42.2
Bronate ^a + Poast + COC	11.4 fl oz + 16 fl oz + 1% v/v	87	88	11	12	8	20.7	6	52.4	42.5
Bronate ^a + Assure II	11.4 fl oz + 8 fl oz	63	65	12	13	8	21.3	6	52.3	41.8
Bronate ^a + Assure II + COC	11.4 fl oz + 8 fl oz + 1% v/v	82	79	10	13	11	20.8	6	52.3	41.7
LSD (0.05)		9	9	3	3	6	NS	NS	NS	NS
CV		9	9	15	16	37	3.5	26	0.6	1.8

^aBronate=Bronate Advanced 5 EC.

We evaluated flax tolerance to Bronate or Bronate + grass herbicide + oil combinations. Both Bronate with and without crop oil concentrate (COC) caused slight flax injury. Bronate plus either Select, Poast, or Assure II caused similar or less injury than Bronate alone. Adding COC to any tank mix did not significantly increase crop injury. Flax heights were similar across treatments in August. Foxtail control was better with Select than Poast or Assure II. Yields were very low and variable due to very dry conditions. Assure II is not registered for use in flax.