

GIANT RAGWEED CONTROL IN CORN – PREMERGENCE TIMING

RANK*	Product (active ingredient)	Product Rate/acre (a.i.rate/ha)	Avg. Control (%) (6-8 weeks after application)	Range in Control (%)	# of Trials
1	MARKSMAN or PROPERO (dicamba + atrazine)	1.8 L/ac (1.8 kg/ha)	75	59 – 87	8
2	BANVEL II or ORACLE (dicamba)	0.5 L/ac (0.6 kg/ha)	71	53 – 83	8
3	CONVERGE XT ¹ CONVERGE FLEXX + AATREX 480 (isoxaflutole + atrazine)	176 mL/ac + 0.88 L/ac (105 g/ha + 1.063 kg/ha)	64	27 – 84	8
4	CALLISTO + AATREX 480 (mesotrione + atrazine)	120 mL/ac + 1.25 L/ac (140 g/ha + 1.49 kg/ha)	54	14 – 81	8
5	INTEGRITY (saflufenacil/dimethenamid-P)	450 mL/ac (735 g/ha)	46	21 – 75	6
6	ERAGON + MERGE (saflufenacil)	14.6 g/ac + 0.4 L/ac (25 g/ha)	43	20 – 70	6
7	AATREX LIQUID 480 (atrazine)	1.24 L/ac (1.49 kg/ha)	33	0 – 66	8

*Last revised April 2011.

¹Indicates co-pack sold under this trade name containing the products listed after.

SOURCE: Dr. P.H. Sikkema, Department of Plant Agriculture, University of Guelph (Ridgetown Campus)

GIANT RAGWEED CONTROL IN CORN – POSTEMERGENCE TIMING

RANK*	Product (active ingredient)	Product Rate/acre (a.i.rate/ha)	Avg. Control (%) (6-8 weeks after application)	Range in Control (%)	# of Trials
1	MARKSMAN or PROPERO (dicamba/atrazine)	1.8 L/ac (1.8 kg/ha)	92	78 – 99	9
2	BANVEL II or ORACLE (dicamba)	0.5 L/ac (0.6 kg/ha)	86	78 - 99	9
3	DISTINCT + non-ionic surfactant + 28% UAN (diflufenzopyr/dicamba)	115 g/ac + 0.25% v/v + 1.25% v/v (0.2 kg/ha)	82	66 – 99	9
4	PEAKPLUS ¹ (PEAK + BANVEL II) + non-ionic surfactant (prosulfuron + dicamba)	5.3 g/ac + 120 mL/ac + 0.2% v/v (10 g/ha + 140 g/ha)	79	50 - 99	9
5	PARDNER + AATREX 480 (bromoxynil + atrazine)	0.4 L/ac + 1.24 L/ac (0.28 kg/ha + 1.49 kg/ha)	77	58 - 99	9
6	SHOTGUN (2,4-D + atrazine)	1.44 L/ac (1.4 kg/ha)	77	44 – 99	9
7	AATREX 480 (atrazine)	1.24 L/ac (1.49 kg/ha)	75	34 - 96	9
8	CALLISTO + AATREX 480 + non-ionic surfactant (mesotrione + atrazine)	100 mL/ac + 1.25 L/ac + 0.2% v/v (100 g/ha + 0.28 kg/ha)	75	43 - 99	9
9	glyphosate (360 g/L) (glyphosate)	2 L/ac (1800 g/ha)	74 ^R	74	1
10	IMPACT + AATREX 480 + MERGE + 28% UAN (topramezone + atrazine)	15 mL/ac + 0.42 L/ac + 0.5% v/v + 1.25% v/v (12.5 g/ha + 0.5 kg/ha)	67	23 - 97	9

11	LADDOK plus ASSIST (<i>bentazone + atrazine</i>)	1.6 L/ac (1.6 kg/ha)	66	23 - 92	9
12	glyphosate (360 g/L) (<i>glyphosate</i>)	1 L/ac (900 g/ha)	53 ^R	53	1

*Last revised April 2011.

¹ Indicates co-pack sold under this trade name containing the products listed after.

^R Indicates populations resistant to this herbicide exist in Ontario and won't be adequately controlled if present.

Only for use on glyphosate tolerant (Roundup Ready) corn hybrids

SOURCE: Dr. P.H. Sikkema, Department of Plant Agriculture, University of Guelph (Ridgetown Campus)