

Emerged broadleaf weed control ratings for post-emergent herbicides in winter wheat*

Herbicide Treatment	mode of action	Application Window	Fall Application	Rate/ac	Relative Cost	Broadleaf weeds that are typically emerged in the fall																		
						bindweed, field	canola, volunteer	carrot, wild	chamomile, scentless	chickweed	cleavers	dandelion	fleabane, Canada	henbit	hemp nettle	horsetail	lettuce, prickly	speedwell species	shepherd's purse	sow-thistle	stinkweed	thistle, Canada	vetch	violet, field
2,4-D Amine 600	4	full tillering to before flag leaf	NO	0.36 - 0.6 L	\$	TG	9	<5	<5	<5	4	<5	8	<5	<5	9	9	6	9	5	9	8	8	5
2,4-D Ester 700	4	full tillering to before flag leaf	NO	0.32 - 0.52 L	\$	TG	9	<5	<5	<5	4	<5	8	<5	<5	9	9	6	9	5	9	8	8	5
2,4-DB (625 g/L)	4	5 leaf to flag leaf	YES ¹	0.9	\$\$\$	TG	9	<5	NI	<5	NI	<5	NI	NI	<5	NI	NI	NI	8	5	6	NI	<5	NI
Barricade M co-pack	2,2,4,4	3 tiller to before flag leaf	NO	1 case = 40 ac	\$\$	NI	9	7	NI	8	9	5	8	<5	9	9	8	9	9	8	9	8	9	8
Boost M co-pack	2,4	3 leaf to before flag leaf	NO	1 case = 40 ac	\$	NI	9	7	8	7	6	5	6	<5	9	9	9	9	9	8	9	7	6	8
Buctril M	4,5	2 leaf to flag leaf	YES	0.4 L	\$	NI	9	<5	NI	<5	5	<5	6	<5	7	9	8	5	9	7	9	5	5	NI
Estaprop XT	4	4 leaf to early flag leaf	NO	0.48 L	\$	NI	9	<5	6	<5	5	6	9	<5	7	9	9	9	9	8	9	8	7	9
Infinity	27,5	up to flag leaf	YES ¹	0.33 L	\$\$	NI	9	5	NI	7	8	8	9	NI	9	6	8	<5	9	7	9	<5	5	NI
MCPA Amine 600	4	full tillering to flag leaf	NO	0.42 L	\$	TG	9	<5	<5	5	4	<5	7	<5	8	9	9	9	9	7	9	8	7	8
MCPA Ester 600	4	full tillering to flag leaf	NO	0.42 L	\$	TG	9	<5	<5	5	4	<5	8	<5	8	9	9	9	9	7	9	8	7	8
MCPA Sodium	4	full tillering to flag leaf	NO	0.6 - 1.1 L	\$	TG	9	<5	NI	NI	4	<5	NI	NI	8	NI	NI	NI	9	TG	9	TG	NI	NI
Pardner	5	2 leaf to flag leaf	YES	0.4 - 0.48 L	\$\$	NI	8	<5	NI	NI	NI	NI	NI	NI	<5	NI	NI	NI	8	6	8	5	NI	NI
Pixxaro co-pack	4,4,4	3 leaf to before flag leaf	NO	1 case = 40 ac	\$\$	NI	9	<5	NI	<5	8	8	9	NI	8	8	9	NI	9	9	9	6	8	NI
Refine SG	2	2 leaf - prior to head emergence	YES ¹	12 g	\$	NI	8	7	8	7	6	NI	NI	<5	9	NI	8	9	9	8	9	7	NI	8
Refine SG + 2,4-D	2,4	full tillering to before flag leaf	NO	12 g + 0.32 L	\$\$	NI	9	7	8	7	6	NI	NI	<5	9	NI	9	9	9	8	9	7	6	8
Refine M co-pack	2,4	3 leaf to before flag leaf	NO	1 case = 80 ac	\$	NI	9	7	8	7	6	5	6	<5	9	9	9	9	9	8	9	7	6	8
Simplicity ² + Assist Oil	2	up to 4 tillers	YES	0.2 L + 0.8% v/v	NI	NI	8	NI	NI	8	8	6	NI	NI	8	NI	NI	NI	8	NI	8	6	NI	NI
Trophy co-pack	4,4	3 tiller to flag leaf	NO	1 case = 20 ac	\$\$	NI	9	<5	NI	8	9	5	8	NI	8	9	8	NI	9	8	9	8	9	NI
Tropotox Plus	4	2 leaf to flag leaf	YES ¹	1.7 L	\$\$\$\$	NI	9	<5	NI	NI	NI	NI	NI	NI	8	NI	NI	NI	9	9	9	9	NI	NI
Peak + Pardner	2,4	up to Zadok's 32	YES ¹	5.3 g + 0.2 L	\$\$	NI	9	8	NI	<5	NI	5	7	NI	9	9	8	8	9	8	9	5	NI	6

* Ratings provided in the above table are always based on the highest labeled herbicide rate

TG = Top growth control only

¹ Label only restricts application timing based on crop stage, not by season.

² Populations of this weed exist in Ontario that are resistant to this treatment and will not be adequately controlled.

² Available in the spring of 2017

NI = no information available

NC = the weed is "not controlled" by this herbicide treatment