TOP CROP MANAGER

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WEED CONTROL GUIDE 2018

Weed management is always an important topic to producers. Weeds evolve and change year to year: What plagued fields last year may be completely different from what growers will see in their fields this year. Decisions on what to spray can become overwhelming. That's why we've continued to make updates to our Weed Control Guide for 2018. We've laid out the products available to you (at the time of publication) in alphabetical order, followed by tank-mix partners.

You can spot the herbicide tolerant varieties in red type, and the overall format allows you to compare options for grassy and broadleaf weed products. Once you've selected your choice, take the next step and compare tank-mixes to best address the range of weeds in your field. The ratings provided in the tables should be used as a guide when selecting herbicides. Please be aware that actual control can vary greatly depending on a variety of factors, including soil

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Weeds taking over a field of wheat. FILE PHOTO.

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FILE PHOTO.

A field of soybeans littered with weeds.

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type, moisture conditions, weed pressure and size, and environment. It's also important to remember that some tank-mixes have additive effects and products may be more effective on specific weeds when used together. Also, sometimes products can be antagonistic and will therefore be less effective on a particular weed when used in combination compared to when it's used spearately.

The information provided here primarily comes directly from the chemical companies themselves. By going directly to the source, we are able to provide as much information as possible about the products, sometimes nearly a year ahead of the provincial guidelines. However, we strongly suggest to our producers to always check these provincial guidelines and product labels to ensure you are making the best decisions for your weed control.

Each year, new products are introduced to the market, while others are withdrawn. Since the publication lead-time conflicts with confirmation of registration for new products, we may not have been able to include all of them in this year's guide. We recommend readers make notes in their copy of this guide as new products are introduced.

Top Crop Manager would like to thank Bayer for sponsoring this year's *Weed Control Guide*. Through their support we are able to publish this information guide to assist our readers.

We are grateful to the numerous weed management specialists for their assistance and helpful suggestions contained in ***Top Crop Manager's*** *Weed Control Guide.*

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WEED CONTROL GUIDE 2018

CEREALS: SPRING WHEAT, DURUM PRODUCTS	Chemical Group	Spring Wheat Tolerance	Barley Tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
2,4-D	4	G		Many tank-mix partners	Many tank-mix partners
Accurate / Ally	2	G	•	2,4-D (4), MCPA (4)	Avenge (8)***, Cougar 120 EC (1), Horizon NG (1), Puma Advance (1)
Achieve L / Bison 400L / Nufarm Tralkoxydim / Marengo	1	G	•	2,4-D (4), 2,4-DB (4), Attain (4), Buctril M (4,6), Badge II (4,6), Bromotril (6), Curtail M (4), Dichlorprop DX/Estaprop XT (4), Enforcer D (4,6), Enforcer M (4,6), ForceFighter M (4,6), Lontrel (4), MCPA (4), Mextrol (4,6), OcTTain XL (4), Pardner (6), Prestige (4), Prestige XC (4), Pyralid (4), Thrasher (4,6), Thumper (4,6), Trophy (4)	
AIM + Glyphosates (pre-seed)	9, 14	E	E	2,4-D Ester (4)	
Altitude FX2 [CLEARFIELD]	2, 4	G		2,4-D (4), Curtail M (4), MCPA (4)	
Approve / Thrasher II / Thumper	4, 6	E	E		Achieve L (1), Avenge (8)***, Bengal (1), Bison (1), Cordon (1), Everest (2), Horizon NG (1), Ladder (1), Nufarm Tralkoxydim (1), Puma 120 Super (1), Puma Advance (1), Signal (1), Varro (2)
Assert 300 SC / Avert	2	G	•*	2,4-D (4), Attain (4), CurtailM (4), Dichlorprop DX/Estaprop XT (4), Express Pack (2,4), Flurox-24 (4), Frontline XL (2,4), Infinity (6,27), MCPA (4), Prestige (4), Refine SG (2), Spectrum (2,4), Stellar (2,4), Trophy (4)	Cordon (1), Puma 120 Super (1)
Assert FL (Assert+Frontline)	2, 4	E			
Attain XC	4	G	•		Achieve L (1), Assert (2), Avert (2), Bison 400L (1), Everest (2), Horizon (1), Ladder (1), Puma 120 Super (1), Puma Advance (1), Sierra (2), Simplicity (2)
Avadex Liquid EC / Avadex MicroActiv	8	G	•		Bonanza/Rival/Treflan (3)
Axial	1	E***		Barricade II (2,4), Broadside (2,4), Buctril M (4,6), Cipreme (2,4), Curtail M(4), Enforcer M (4,6), Frontline XL(2,4), Infinity (6,27), MCPA (4), Mextrol (4,6), Momentum + MCPA (4), Paradigm (2,4), Pixxaro (4), Prestige XC (4), Pulsar (4), Refine SG (2), Retain (2,4), Spectrum (2,4), Stellar (2,4), Travallas (2,4), Trophy (4)	
Axial iPak	1, 27	E***			
Axial Xtreme	1, 4	G***		Broadside (2,4), Buctril M (4,6), Cipreme (2,4), Curtail M (4), Mextrol (4,6), MCPA Ester (4), Infinity (6, 27), Frontline XL (2,4), Paradigm (2,4), Refine SG (2)	
Badge II / Buctril M / Logic M / Mextrol	4, 6	E	•	Ally (2), MCPA (4), Refine SG (2)	Achieve L (1), Approve (4,6), Avenge (8)***, Axial (1)***, Bengal (1), Cordon (1), Enforcer D (4,6), Enforcer M (4,6), Enforcer MSU (2,4,6), Everest (2), Flurox -24 (4), Horizon (1), Ladder (1), Mextrol (4,6), Nufarm Tralkoxydim (1), Puma Advance (1), Traxos (1), Sierra (2), Signal (1), Sundance (2), Varro (2)
Banvel II / Oracle / Xtendimax + 2,4-D amine / MCPA amine or K	4+4	G	•	Sencor (5), Ally (2)	
Basagran + 2,4-D	6+4	E			
Barricade II	2, 4	E	•	2,4-D Ester (4), MCPA Ester (4)	Assert (1), Axial***(1), Everest 2.0 (2), Horizon NG (1), Puma Advance (1), Simplicity 2.0 (2), Traxos (1), Varro (2)
Bengal WB / Cordon / Cougar 120 EC / MPOWER Hellcat / Puma 120 Super / Wildcat	1	G	•*	2,4-D (4), Ally (2), Attain (4), Badge II (4,6), Buctril M (4,6), Curtail M (4), Dichlorprop DX/Estaprop XT/Turboprop (4), DyVel (4), DyVel DSp (4), Express Pack (2,4), Infinity (6,27), Lontrel (4), MCPA (4), Mecoprop (4), OcTTain XL (4), Prestige (4), Pyralid (4), Refine Extra (2), Refine SG (2), Spectrum (2,4), Thrasher (4,6), Thumper (4,6), Trophy (4)	
BlackHawk (pre-emerge)	4, 14	E	•	Glyphosates (9)	Glyphosates (9)
Blitz / MPOWER Battlefront / Priority / Spitfire 50 SC	2	E	E	2,4-D (4), Curtail M (4), MCPA (4)	Assert (2), Bullwhip 240 EC (1), Everest (2)
Bonanza / Rival / Treflan (pre-emerge)	3	E	•		Avadex BW (8) (liquid formulations only)
Bromotril II / Koril / Pardner	6	E	•	2,4-D (4), MCPA (4)	Achieve L (1), Avenge (8)***, Everest (2), Horizon (1), Sierra (2), Sundance (2)
Broadband	1, 2	E		Curtail M (4), Infinity (6,27), MCPA Ester (4), Prestige XC (4)	
BroadSide / Refine M	2, 4	E	E		Assert (2), Axial***(1), Everest (2), Foothills NG (1), Horizon (1), Puma 120 Super (1), Sierra (2), Traxos (1)
Bullwhip 240 EC / Foothills NG / Horizon NG / Ladder All-In / MPOWER Aurora / NextStep NG / Nufarm Clodinafop / Signal	1	E	E	2,4-D (4), Ally (2), Approve (4,6), Attain (4), Badge II (4,6), BroadSide (2,4), Bromotril II (6), Buctril M (4,6), Curtail M (4), Dichlorprop DX/Estaprop XT (4), DyVel (4), Enforcer D (4,6), Enforcer M (4,6), Enforcer MSU (2,4,6), ForceFighter M (4,6), Frontline XL (2,4), Koril (6), Lontrel (4), MCPA (4), Mextrol (4,6), Pardner (6), Prestige (4), Pulsar (4), Pyralid (4), Refine SG (2), Retain (2,4), Sword/Target (4), Thrasher (4,6), Thumper (4,6), Trophy (4)	
Cirpreme XC	2, 4	E	E	2,4-D (4), MCPA (4)	Axial (1), Simplicity GoDRI (2)
CleanStart (pre-seed)	9, 14	E	E		
Curtail M	4	E	•	Refine SG (2)	Achieve L (1), Assert (2), Avenge (8)***, Axial (1)***, Cordon (1), Everest (2), Horizon (1), Nufarm Tralkoxydim (1), Puma 120 Super (1), Puma Advance (1), Sierra (2), Signal (1), Simplicity (2), Traxos (1)
Cypress	1, 4	G	•		
Deploy / MPOWER R / Nimble	2	E	E	2,4-D (4), Attain (4), Banvel II (4), Buctril M (4,6), Curtail M (4), MCPA (4), Lontrel (4), Pyralid (4)	Assert (2), Avenge (8)***, Bullwhip 240 EC (1), Cougar 120 EC (1), Everest (2), Horizon (1), Puma 120 Super (1), Sierra (2)
Dichlorprop DX / Estaprop XT / Turboprop	4	G	•	Many tank-mix partners	Many tank-mix partners
DyVel	4	G	•		Everest (2), Horizon (1), Puma 120 Super (1), Sierra (2)
DyVel DSp	4	G	•		Puma 120 Super (1)
Enforcer D	4, 6	E			Achieve L (1), Cordon (1), Everest (2), Nufarm Clodinafop (1), Nufarm Tralkoxydim (1), Puma Advance (1), Signal (1), Simplicity (2), Varro (2)
Enforcer M	4, 6	E			Achieve L (1) , Axial (1), Cordon (1), Everest (2), Nufarm Clodinafop (1), Nufarm Tralkoxydim (1), Puma Advance (1), Signal (1), Simplicity (2), Varro (2)
Enforcer MSU	2, 4, 6	E	E		Axial (1) , Cordon (1), Everest (2), Nufarm Clodinafop (1), Puma Advance (1), Signal (1), Simplicity (2), Varro (2)
Everest 2.0 / Sierra 2.0	2	E	E	2,4-D (4), Ally (2), Attain XC (4), Buctril M (4,6), CurtailM (4), Deploy WDG (2), Dichlorprop DX/Estaprop XT (4), DyVel/DyVel DSp (4), Enforcer D(4,6), Enforcer M (4,6), Express Pack (2,4), Frontline XL (2,4), Frontline 2,4-D XC (2,4), Logic M (4,6), MCPA (4), OcTTain XL (4), Optica Trio (4), Paradigm (2,4), Pardner (6), Pixxaro (4), Prestige XC (4), Refine SG (2), Retain (2,4), Spectrum (2,4), Stellar (2,4), Sword/Target (4), Thumper (4,6), Triton C (2,4), Trophy (4)	

This table is presented as a guide only. It is strongly recommended that users refer to provincial crop protection guides and product labels.

Control rating:	E = Excellent	G = Good	F = Fair	P = Poor	S = Suppression only
	Alberta 8.5 to 9	Alberta 7.1 to 8.5	Alberta 6.1 to 7.0	Alberta < 6.0	Alberta 3,4,5

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GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
										P		G	E		G	E		E	•	G	E	F	E	P		P	P
						G*		F		E			E	G	•	E		E	E	G	E	G	E			F	F
F	G	G	G																								
E	E	E	E			G				G	G	E	E		E	E	G	G	E	G	E	E	E	G			
G	E	G	G		E	E	•	G		G	E	G	E	S	G	E	S	E	E	S	E	G	E				
						G	G	E	F			G	E		G	E		E	G	G	G	G	G				
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• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

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CEREALS: SPRING WHEAT, DURUM PRODUCTS	Chemical Group	Spring Wheat Tolerance	Barley Tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
Everest 3.0 / Sierra 3.0	2	E	E	2,4-D (4), Ally (2), Attain XC (4), Buctril M (4,6), CurtailM (4), Deploy WDG (2), Dichlorprop DX/Estaprop XT (4), DyVel/DyVel DSp (4), Enforcer D (4,6), Enforcer M (4,6), Express Pack (2,4), Frontline XL (2,4), Frontline 2,4-D XC (2,4), Inferno WDG (2), Logic M (4,6), MCPA (4), OcTTain XL (4), Optica Trio (4), Paradigm (2,4), Pardner (6), Pixxaro (4), Prestige XC (4), Refine SG (2), Retain (2,4), Spectrum (2,4), Stellar (2,4), Sword/Target (4), Thumper (4,6), Triton C (2,4), Trophy (4)	
Everest GBX (spring wheat only)	2, 4	E	E	2,4-D Ester (4), Curtail M (4), Deploy (2), MCPA (4), Refine Extra (2), Refine SG (2)	
Express FX + Glyphosates (pre-seed)	2, 4, 9	E	E		
Express Pro + Glyphosates (pre-seed)	2, 9	E	E		
Express SG + Glyphosates (pre-seed)	2, 9	E	E		
Flurox-24 / Rush 24	4	E			Achieve (1), Assert (2), Cordon (1), Everest (2), Horizon (1), Nufarm Tralkoxydim (1), Puma 120 Super (1), Signal (1), Simplicity (2)
Focus*** (pre-seed/pre-emerge)	14+15	E		Glyphosates (9)	Glyphosates (9)
ForceFighter M	4, 6	E	*	Deploy (2), MPOWER R (2), Nimble (2), Refine SG (2)	Bison (1)***, Ladder (1), Simplicity (2)
Fortress MicroActiv	3, 8	G	•		
Frontline 2,4-D	2, 4	•	•		Assert (2), Everest (2), Puma 120 Super (1), Sierra (2), Simplicity (2)
Frontline XL / Topline	2, 4	E	E		Assert (2), Avert (2), Axial (1)***, Everest (2), Horizon (1), Sierra (2), Signal (1), Simplicity (2), Varro***(2)
Frontline 2,4-D	2, 4	•	•		Everest (2), Assert (2), Puma 120 Super (1)(Foxtail only), Sierra (2), Simplicity (2)
Glyphosates (pre-harvest)	9				
GoldWing (pre-emerge)	4, 14	E	E	Glyphosates (9)	Glyphosates (9)
Harmony K / Harmony K 240 EC	1+2 +4	G	G		
Heat LQ (pre-seed/pre-emerge)	14	E	E	Glyphosates (9)	Glyphosates (9)
Hotshot*** (pre-seed only)	2, 6	E		Glyphosates (9)	Glyphosates (9)
Inferno WDG / MPOWER X / Nuance / Spike	2	•	•	2,4-D (4), Banvel II (4), MCPA Amine (4)	Assert (2), Cougar 120 EC (1), Cordon (1), Puma 120 Super (1)
Inferno Duo (spring wheat only)	2	G		Glyphosates (9)	Glyphosates (9)
Infinity	6, 27	E	E	2,4-D Ester (4), Lontrel (4), MCPA Ester (4), Pyralid (4)	Achieve L (1), Axial BIA (1)***, Horizon (1), Luxxur (2), Puma Advance (1), Traxos (1), Varro (2), Wildcat (1)
Infinity FX	4, 6, 27	E	E	2,4-D Ester (4), MCPA Ester (4)	Achieve L (1), Axial (1)***, Horizon (1), Luxxur (2), Puma Advance (1), Traxos (1), Varro (2), Wildcat (1)
KoAct (pre-seed only)	2, 4			Glyphosates (9)	Glyphosates (9)
Korrex II (pre-seed only)	2, 4	•	•	Glyphosates (9)	Glyphosates (9)
Linuron + MCPA amine	7+4	F	•		
Lontrel / Pyralid	4	E	•	2,4-D (4), MCPA (4), Refine SG (2)	Achieve L (1), Puma Advance (1)
Luxxur	2	E	E	2,4-D (4), Buctril M (4,), Curtail M (4), Frontline XL (2,4), Infinity (6,27), Infinity FX (4,6,27), MCPA (4), OcTTain (4), Paradigm (2,4), Pixxaro (4), Prestige (4), Stellar (2,4), Trophy (4)	
MCPA amine and ester	4	E	•	Many tank-mix partners	Many tank-mix partners
MCPAK	4	E			
Mecoprop	4	G	•		Puma 120 Super (1), Puma Advance (1)
Momentum	4	•	•	2,4-D Ester (4), MCPA (4), Refine SG (2)	Achieve L (1), Axial (1), Everest (2), Foothills NG (1), Horizon (1), Horizon NG (1), Marengo (1), Puma 120 Super (1), Simplicity (2), Traxos (1), Varro (2), Wildcat (1)
OcTTain XL / Rush 24	4	G	•		Achieve (1), Assert (1), Bison 400L (1), Everest (2), Foothills (1), Ladder (1), Horizon (1), Puma 120 Super (1), Puma Advance (1), Signal (1), Sierra (2), Simplicity (2)
Optica Trio	4	•	•		Everest (2), Horizon (1), Signal (1)
Outshine / Stellar	2, 4	•	•		Assert (2), Avert (2), Axial (1)***, Everest (2), Sierra (2), Simplicity (2)
Paradigm	2, 4	E	E	Curtail M (4), Glyphosates (9), MCPA (4)	Axial***(1), Everest (2), Glyphosates (9), Sierra (2), Simplicity (2), Traxos (1)
Pixxaro	4	E	E		Achieve L (1), Assert (2), Avert (2), Axial***(1), Everest (2), Horizon (1), Puma 120 Super (1), Puma Advance (1), Sierra (2), Simplicity (2), Traxos (1)
Predicade	2, 4	E	E		
PrePass XC	2, 9		E	Glyphosates (9)	Glyphosates (9)
Prestige XC/XL / Esteem	4	E	•		Achieve L (1), Assert (2), Avert (2), Axial (1)***, Everest (2), Horizon (1), Puma 120 Super (1), Puma Advance (1), Simplicity (2), Traxos (1), Varro (2)
Pulsar	4	G	G	MCPA Ester (4)	Axial (1), Foothills NG (1), Horizon 240EC (1), Horizon NG (1), Sierra 2.0 (2), Traxos (1)
Puma Advance	1	G	G	2,4-D (4), Ally (2), Attain (4), Barricade II (2,4), Buctril M (4,6), Curtail M (4), Dichlorprop DX/Estaprop XT/Turboprop (4), Enforcer D (4,6), Enforcer M (4,6), Infinity (6,27), Lontrel (4), MCPA (4), OcTTain (4), Pixxaro (4), Prestige XC (4), Pyralid (4), Refine SG (2), Thumper (4,6), Triton C (2,4), Trophy (4)	
Refine SG	2	E	E	2,4-D (4), Banvel II (4), Buctril M (4,6), Curtail (4), MCPA (4), Lontrel (4), Pyralid (4)	Assert (2), Axial (1)***, Everest (2), Horizon (1), Puma 120 Super (1), Puma Advance (1), Sierra (2)

This table is presented as a guide only. It is strongly recommended that users refer to provincial crop protection guides and product labels.

Control rating:	E = Excellent	G = Good	F = Fair	P = Poor	S = Suppression only
	Alberta 8.5 to 9	Alberta 7.1 to 8.5	Alberta 6.1 to 7.0	Alberta < 6.0	Alberta 3,4,5

WEED CONTROL GUIDE 2018

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS														PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
S	E	S	E					S										E	E		E	E	E				
	E		E		G	E					G				E			E	E		E	E	E				
E	E	E	E		G	E		E					E	E	E	E		E	E	E			E	G			F
E	E	E	E		G	E		E	E	E	E		E	E	G*	E		E	E	E			E	E			G
E	E	E	E		G	E		G					E	E	G*	E		E	E	G			E	G			F
					E	E	•	G		S	E	G	E	F	E	E	E	E	E	G	E	G	E	G*		S	F
E	E	•	S					S			G				S	S		S	E				S				
						E	G	E	F	E	E	G	G	G	E	E		E	G	G	E	G	E			S	S
	G	G	G					P							P	P			P	P							
						E	•	E		E	E	G	E	F	G	E		E	E	G	E	E	E	F		S	F
						E	•	E		E	E		E	G		E		E	E		E	E	E	F*		F	F
						E	•	E		E	E	G	E	F	G	E		E	E	G	E	E	E	F		S	F
																								G**	G	F	G
						E		S	E		E		S		E	E	E	S	E				E	S			
G	G	G	E			G*	G	E		E	F		E	E	E	E	F	E	E	E	G	E	E			F	F
						E		E			E		E		E	E	E	E	E				E				
						E	•	E		E	E	F	E	G	F	E		E	E	G	E	E	E	F		F	F
							G	S					E		G	E		E	G	G	E		E				
	E		S			E															E			S			
						E		E		E	G*		E	E	E	E	S	E	E	E	E	E	E	S		S	S
					E	E		E		E	E		E	E	E	E	E	E	E	E	E	E	E	S		S	S
					E	E		E					E	E	E			E		E	E			E			
					G	E		E	•	E	E		E	E	E	E		E	E	•	E	E	E	E		S	S
	P							G		G		G	E	F		E		E	G		E	F	E				
								G																		F	G
E	E	S	E			G*		E			G			G		E	S	G	G	S	G	G	E	E		E	E
							P					G	E	F		E		E			E		E	P		P	P
												G	E	F		E		E			E		E			P	P
										E	G					E		E									P
					•			•			•				•												•
					E	E	•	G		S	E	G	E	S	E	E	E	E	E	G	E	G	E	G*		S	S
						•		•		•	•				•	•		•	•				•				
					E	E	E	E		E	E		G	G	G	E		G	G		E	G	E				
					•	•		•		•	•			S	S	•		•	•		•	•	•	•		S	S
					E	E	•	E		E	E	E	E	E	E	E	E	E	E		E	S	E	S		S	S
G	G	S	G*		E	E		E	G	G	E	G	G	E	E	E	E	E	E	E	E	E	E	E		G	F
•	E	•	E		E	E		E		E	E		E	E	E	E	E	E	E	E	E	E	E	E		S	S
					E	E	G	E		S	E		E	S	E	E	E	E		E	G	E	F		E	E
					F			G			E				E	F			P	F							
E	E	E	G																								
						G*	G	E		E	S		E	E	G*	E	F	E	E	E	G	E	E			F	F

• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

WEED CONTROL GUIDE 2018

CEREALS: SPRING WHEAT, DURUM PRODUCTS	Chemical Group	Spring Wheat Tolerance	Barley Tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety/durum restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
Retain SG	2, 4	G	•		Assert (2), Avert (2), Axial***(1), Everest (2), Foothills NG (1), Horizon (1), Puma 120 Super (1), Puma Advance (1), Simplicity (2), Traxos***(1), WildCat (1)
Rexade	2, 4	•	•		
Rush M / Trophy 600	4	E	E		Achieve L (1), Assert (2), Bengal WB (1), Bison 400L (1), Horizon (1), Ladder (1), Puma 120 Super (1), Puma Advance (1), Traxos (1)
Sencor* / Squadron / Tricor	5	F	•	2,4-D (4), Banvel II/Oracle (4), MCPA (4), Target (4)	
Simplicity / Simplicity GoDRI	2	•	•	Attain XC (4), Buctril M (4,6), Cirpreme (2,4), Curtail M (4), Frontline XL (2,4), Frontline 2,4-D (2,4), MCPA ester (4), Octtain XL (4), Paradigm (2,4), Pixxaro (4), Refine SG (2), Retain (2,4), Spectrum (2,4), Stellar (2,4)	
Signal FSU	1, 2, 4	E	E	2,4-D (4), MCPA Ester (4)	
Spectrum	2, 4	E	E		Assert (2), Avert (2), Axial (1)***, Everest (2), Sierra (2), Simplicity (2)
Sword / Target	4	G	G	Linuron (7), Sencor (5)	Horizon (1), Everest (2), Sierra (2)
Tandem	2+4	•	•	2,4-D (4), MCPA (4), Curtail M (4)	
Travallas	2, 4	•	•	MCPA Ester (4)	Axial (1), Everest 2.0 (2), Horizon NG (1), Simplicity (2), Traxos (1), Varro (2)
Traxos	1	E	E	Broadside (2,4), Buctril M (4,6), Curtail M (4), Infinity (6,27), MCPA (4), Mextrol (4,6), Paradigm (2,4), Pixxaro (4), Prestige (4), Pulsar (4), Retain (2,4), Trophy (4)	
TraxosTwo	1, 4	E	E		
Triton C	2, 4	E	G	2,4-D (4), Everest (2)	Axial BIA (1), Horizon (1), Puma 120 Super (1), Puma Advance (1)
Triton K	2,4	•	•	Everest (2)	Puma Advance (1)
Trophy	4	E	E		Achieve (1), Assert (2), Axial (1), Cordon (1), Puma (1), Nufarm Tralkoxydim (1), Horizon (1), Signal (1), Simplicity (2), Traxos (1)
Tundra	1+6, 27	E	•	2,4-D Ester (4), MCPA Ester (4), Lontrel (4), Pyralid (4)	
Velocity M3	2+6, 27	E	E	2,4-D Ester (4)*, MCPA Ester (4)*, Lontrel (4), Pyralid (4)	
Valtera (pre-seed)	14	E		Glyphosates (9)	Glyphosates (9)
Varro	2	E	E	2,4-D Ester (4), Attain XC (4), Barricade II (2,4), Buctril M (4,6), Curtail M (4)***, MCPA Ester (4), OcTTain (4), Prestige XC (4), Refine SG (2), Stellar (2,4)***, Thumper (4,6)	

CORN PRODUCTS	Chemical Group	APPLICATION TIMING Pre-Plant Surface*	Pre-Plant Incorporated	Pre-emergence	Early Post-emergence	Late Post-emergence	TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
2,4-D	4				•		Glyphosates (9)
2,4-DB	4					•	
Accent	2				•	•	Banvel II (4), Pardner (6)
AIM + Glyphosates	9, 14	•					
Armezon	27				•	•	Atrazine (5), Glyphosates (9)
Atrazine	5	•	•	•	•	•	Banvel II (4), Buctril M (4,6), Dual II Magnum (15), Pardner (6)
Basagran / Basagran Forte	6				•	•	.
BlackHawk	4, 14	•		•			
Bromotril / Brotex / Koril / Pardner	6				•	•	Accent (2), Atrazine (5), Banvel II (4)
Badge / Buctril M / Logic M / Mextrol	4, 6				•		Atrazine (5)
Banvel II / Oracle / Xtendimax	4			•	•	•	2,4-D Amine (4), Accent (2), Option (2)
CleanStart	9, 14	•		•			
Dual II Magnum	15	•	•	•			Atrazine (5)
DyVel DSp	4				•		Atrazine (5)
Focus	14, 15	•		•			Atrazine (5), Glyphosates (9)
Frontier Max	15	•	•	•			
Glyphosates	9	•		•	RR	RR	Banvel II (4), Buctril M (4,6), Logic M (4,6), MCPA (4)
GoldWing	4, 14	•		•			Glyphosates (9)
Heat	14	•	•	•			Glyphosates (9)
Impact + Atrazine	27+5				•	•	
Liberty 200 SN	10				LL	LL	
Linuron 400	7			•		•	Atrazine (5), Dual II Magnum (15), Primextra II Magnum (5,15)
MCPB / MCPA	4					•	
Option 35 DF / Option 2.25 OD	2				•	•	Banvel II (4)
Permit WG Herbicide	2				•	•	Glyphosates (9)
Primextra II Magnum	5, 15	•	•	•			

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WEED CONTROL GUIDE 2018

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
						G*	G	G		E	G		E	E	G	E	F	E	E	E	G	E	E			F	F
E	S*	E	E		E	E		E	S	E	E	•	E	E	S	E	E	G	E	S	E	E	E	S			S*
					E	E	•	S			G	G	E	F	E	E		E	E	G	G	S	G				
						G			G	G				F		G		G	F	G		G	G				
G	S*	G	E			G		S*/F		E	E	•	G	E	•	S*	G	G	E	S*	G	E	G	S*		S*	S*
E	G	G	E			G*	G	G		E	G		E	E	E	E	F	E	E	E	G	E	E			F	F
						E		E		E	E		E	E		E		E	E		E	E	E	E		G	G
						G	G	G	G		G		E	F	G	E		E	G	G	E	G	E			F	F
G	S*	G	E		S	E		E		E	E		E	E	E	S*	G		E	S*	E	E	E	S		S	S
					E	E		E	E	E*	E		E	E	E	E		E	E	E	E	E	G	E			G
E	E	E	E																								
E	E	E	E		E	E	•	G		S	E	G	E	S	E	E	E	E	E	G	E	G	E	G*		S	S
						G*	G	E		E	E		E	E	G*	E	G	E	E	E	G	E	E			F	F
						E	G	G					E		E	G		E	G	G	G	G	E	E		G	G
					E	E	E	S			E	E	E	E	E	E		E	E		E	S	E				
E	E	E	G			E		E		E	G*		E	E	E	E	S	E	E	E	E	E	E	S		S	S
G	G	S	G*			E		E		E	G		E	E	E	E	G	E	E	E	E	E	E	S		S	S
	S					S				E					E	E			E					F			
G	G	S	G*			•		•			•			•		S	S	•	•	S	•	•	•				

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Cereals	Vol. Flax	Vol. Canola/mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-leaved	Mustard, Wild	Nightshade, Hairy	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
						E	P			P		G	E		G	E		E		•	G	E	F	E	P		P	P
						E	P			P		G	E		G	E		E		•	G	E	F	E	P		P	P
E	E	S	G																							E		
E	E	E	E			G				G	G	E	E		E	E	G	G		E	G	E	E	E	G			
S	S	S				•				S						•		•		•			•					
			•					•								•		•		•								
						•				•	•	•				•		•		S	S	•	•	•				S
						E		E	E	E	E	E	E		E	E	E	E		E	E	E	E	E	E		G	G
								G				F			F	G		F		F	G		G					
						•	•	•	•		•	•			•	•		•		•	•	•	•	•			S	S
								•		•						•		•		•			•				S	S
	E	E	E			E				E		E	E		E	E	E	E		E	E	E	E	E	G			
•	•	•																	•	S								
						G		G			S	G	E		G	E		E		G	G	E	G	E			F	F
E	E	•	S					S			G				S	S		S		E				S				
	•																											
E	E	E	E	E		•	E	G	G	E	E	•	E		E	E		E		E	E	E	E	E	F**	F	F	F
						E		S	E		E		S		E	E	E	S		E				E	S			
						E		E			E		E		E	E	E	E		E				E				
S	S	S				•				S						•		•		•			•					
•	•	•	•					•		•		•				•		•		•		•	•	•		S	•	S
•	•	•						•		•			•	•	•	•				•		•	•	•			•	
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•	•	•								•						•		•	•	•								
						E	E	G		G		G					G	G		G		G	G					
•	•	•						•								•		•	•	•			•					

• Insufficient data to provide rating

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** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

WEED CONTROL GUIDE 2018

SOYBEANS PRODUCTS	Chemical Group	APPLICATION TIMING					TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
		Pre-plant Surface	Pre-plant Incorporated	Pre-emergence	Early Post-emergence	Late Post-emergence	
AIM + Glyphosates	9, 14	•					
Arrow / Centurion / Select / Shadow RTM	1				•	•	
Assure II	1				•	•	Basagran/Forte (6), Odyssey (2), Pinnacle (2), Pursuit (2), Viper ADV (2,6)
Authority	14	•		•			Glyphosates (9)
Authority Supreme	14, 15	•		•			Glyphosates (9)
Basagran / Basagran Forte	6				•	•	Pinnacle (2)
Blackhawk	4, 14	•		•			Glyphosates (9)
Blazer	14				•		Basagran/Forte (6)
Bonanza / Rival / Treflan	3		•				Sencor (5)
CleanStart	9, 14	•		•			
Dual II Magnum	15	•	•	•			Glyphosates (9), Sencor (5)
Edge Granular	3		•				
Engenia	4	•		•	RR2XT		Glyphosates (9)
Express SG (pre-seed)	2	•		•			Glyphosates (9)
Flexstar GT [Reflex + Glyphosate]*	14, 9				RR		Glyphosates (9)
Focus	14, 15	•		•			Glyphosates (9)
Gladiator / Mpower Kamikaze / Multistar / Phantom / Pursuit	2	•	•	•	•		
Glyphosates	9	•	•	•	RR	RR	
Heat	14	•	•	•			Glyphosates (9)
Linuron	7	•		•			
Odyssey	2				•		
Pinnacle	2				•	•	Assure II (1), Basagran/Forte (6)
Poast Ultra	1						Pursuit (2)
Sencor / Squadron / Tricor + Treflan	5+3		•				
Solo Ultra	1, 2				•	•	
Valtera	14	•		•			glyphosates (9)
Viper ADV	2, 6				•		glyphosates (9)
XtendiMax with VaporGrip Technology + Roundup WeatherMax	4+9	•		•	RR2XT		
Roundup Xtend with VaporGrip Technology	4, 9	•		•	RR2XT		

DRY BEANS PRODUCTS & TANK-MIXES (restrictions apply to some types of beans)	Chemical Group	GRASSY WEEDS				VOLUNTEERS	
		Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Volunteer Barley	Volunteer Wheat
AIM + Glyphosates (pre-seed)	9, 14	E	E	E	E	E	E
Arrow / Centurion / Select / Shadow RTM {black, great northen, navy, pinto, pink, red}	1	E	E	E	G	E	E
Assure II {navy, pinto, snap beans}	1	G	E	G	G	E	E
Basagran / Basagran Forte	6						
Bonanza / Rival / Treflan	3	G	G	G	F		
CleanStart (pre-seed)	9, 14		E	E	E	E	E
Dual II Magnum	15	G	G	G			
Edge Granular	3	E	E	E	G	P	F
Eptam {white, red kidney}	8	G	G	G	G	F	F
Express SG + glyphosates (pre-seed)	2+9	E	E	E	E	E	E
Frontier {white, red kidney}	15		G				
Gladiator / Multistar / Phantom / Pursuit {pinto, pink, red kidney}	2						
Glyphosates (pre-harvest)	9						
Permit WG	2						
Poast Ultra {adzuki, kidney, lima, pinto, mung, white}	1	E	E	E	G	E	E
Reflex + Basagran {navy}	14+6						
Solo + Basagran Forte	2+6	G	E	E	G	G	G
Viper ADV + Basagran Forte	2+6	G	E	E	G	G	G

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WEED CONTROL GUIDE 2018

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Cereals	Vol. Flax	Vol. Canola/mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-leaved	Mustard, Wild	Nightshade, Hairy	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
E	E	E	E	E		G				G	G	E	E		E	E	G	G		E	G	E	E	E	G			
E	E	E	G	E																								
G	E	G	G	E																						G		
								E			S				E	E				E								
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G	G	G																		P								
E	E	E	S	S				G	G		S			S	G	E				G	S		S					
								G			E				E	E		G		E			E				G	G
E	E	E	E	E	G	E		G					E	E	G*	E		E	E	E	G			E	G			F
E	E	E	E	E	E	E*		E	E	E	E	G	E	E	E	E	E	E		E	E	E		E	G	F	G	G
E	G	G	S					S			G				S	S		S		E				S				
																			G									
E	E	E	E	E	E	E*	E	G		E	E	·		E	E	E		E		E	E	E	E	E	F**	F	F	F
						E		E			E		E		E	E	E	E		E				E				
S	S	S						·		·										·			·	·	·			
G	G		G	G*		E		F		E	E			F	P	S		E		E	E	E	G	E				
																E		E		E			E					
E	E	E	G	E																						F		
G	G	G	F					F		G				F		G		G		G	G	G	G	G				
E	E	E	E	E		E		S			S					G	S	E		E	G	E	G	E				
	S					S				E					E	E		S	G	E					F			
G	E	E	G	G		E		S			S				S	F	S	E		E	G	E	F	E				
E	E	E	E	E	·	P	·	E	G	E	E	G	E	E	E	E	G	E	E	E	E	E	E	E	G	E	G	E
E	E	E	E	E	·	P	·	E	G	E	E	G	E	E	E	E	G	E	E	E	E	E	E	E	G	E	G	E

BROADLEAF WEEDS																	PERENNIAL WEEDS			
Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Nightshade, Hairy	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
		G	G	E	E		E	E	G	G		E	G	E	E	E	G			
																		F		
																		G		
		F	F	F				F		F	F	S	F	F	F	F				P
F		G						G				G	G							
		E		E	E		E	E	E	E		E	E	E	E	E	G			
												P								
G		G	F			F	G	E				G	P		P					
		G						G				G								
G					E	E	G*	E		E		E	G			E	G			F
											G									
																	G*	G	F	G
G		G		G				G*	G	G		G		G	G					
																		F		
		F						G		E	G	G	F	G	G	G				
S			F				S	F	S	E		E	G	E	F	E				P
S			S				S	F	S	E		E	G	E	F	E				

• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

Advertorial: Part 1 // continues on page 14

EARLY WEED REMOVAL

Getting your weeds early can mean more yield in the end

There's a reason why you have long been advised to get ahead of weeds early. This time-tested instruction is one of the most important steps in getting the highest yield potential from your crops.

In recent years, some growers have been moving away from this tried and true method as the window of application for herbicides expands. Their goal is to wait as long as possible to get as many weeds as possible – including that second flush. At first glance it seems sensible – but when you look at the numbers – the decision to wait can cost you big time.

Crops are at their most vulnerable stage soon after emergence, and at that time, weeds can have the biggest impact on yield. If allowed to grow, weeds can become firmly entrenched and out compete the crop for available resources, such a nutrients, moisture, space and light.

Agriculture and Agri-Food Canada recommends that a cereal crop should be weed free at the 1–4 leaf stage. Removing weeds at this stage is easier – they are smaller, actively growing and more readily take up the herbicide. When weeds are controlled at this stage, you can achieve up to a 10 percent yield increase over a late season application. Herbicides are also seven percent more effective when applied to young weeds*.

While herbicide applications are more advantageous for your yield than simply leaving weeds unchecked, there is a steady decline in yield potential the longer your weed issues remain unaddressed past the 4-leaf stage.

This advice applies to all crops – not just cereals. For the best weed control in canola, AAFC recommends spraying at the 2-leaf stage, with yields decreasing daily beyond that stage. For pulse growers, the critical weed free period is one to two weeks following emergence.

Larger weeds are harder to manage and can take control of your yield. Visit the Bayer Early Weed Removal Page (cropscience.bayer.ca/EarlyWeedRemoval) to learn more about the benefits of taking out young weeds. Spray earlier and you'll get the best results from your herbicide and the best yield bump for your crops for the greatest profit potential.

**Source: 2015 Internal Bayer Trials.*

STRAIGHT UP WILD OAT CONTROL

Wild oats hanging above the crop canopy are like a billboard for poor weed control.

Varro® herbicide provides outstanding control of wild oats and other problem grass weeds to keep your wheat field looking great all season.

Varro – wild oat control that's worth talking about.

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C-72-02/18-10906658-E

WEED CONTROL GUIDE 2018

CANOLA PRODUCTS	Chemical Group	Canola Tolerance	TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEEDS Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	VOLUNTEERS Volunteer Barley	Volunteer Wheat
AIM + Glyphosates (pre-seed)	9, 14	E	Bromoxynil (6)	E	E	E	E	E	E
Ares [CLEARFIELD]	2, 2	E		E	E	E	E	E	E*
Arrow / Centurion / Select / Shadow RTM	1	E	Liberty (10), Lontrel (4), Muster (2), Pyralid (4)	E	E	E	G	E	E
Assure II	1	E	Ares (2), Glyphosate (9), Liberty (10), Muster (2), Odyssey (2), Pursuit (2), Solo (2)	G	E	G	G	E	E
Avadex Liquid EC / Avadex MicroActiv	8	E	Bonanza/Rival/Treflan (3)				G		
Bonanza / Rival / Treflan	3	E		G	G	G	F		
CleanStart (pre-seed)	9, 14	E			E	E	E	E	E
Command 360ME (pre-seed)	13	E	AIM (14), Glyphosates (9)						
Conquer (pre-seed)	6,14	E	Glyphosates (9)						
Eclipse III [ROUNDUP READY]	4+9	G			E		E	E	E
Edge Granular	3	E		E	E	E	S	S	S
Fortress MicroActiv	3, 8	E			G	G	G		
Glyphosates (pre-harvest)	9								
Glyphosate [ROUNDUP READY]*	9	E	Lontrel (4), Pyralid (4)	E	E	E	E	E	E
Liberty [LIBERTY LINK]	10	G	Arrow (1), Centurion (1), Equinox (1), Poast Ultra (1), Select (1), Shadow RTM (1)	G	G		G	F*	G*
Lontrel / Pyralid	4	G	Ares (2,2), Arrow (1), Centurion (1), Glyphosate (9), Odyssey (2), Select (1), Shadow RTM (1),						
Muster Toss-N-Go	2	G	Assure II (1)						
Odyssey [CLEARFIELD]	2	G	Centurion (1), Lontrel (4), Pyralid (4)	G	E		G	G	G*
Odyssey Ultra [CLEARFIELD]	1, 2	G		E	E	E	E	E	E
Pardner (pre-seed)	6	E	Glyphosates (9)						
Poast Ultra	1	E	Liberty (10)	E	E	E	G	E	E
Salute [CLEARFIELD]	1, 4			E	E	E	E	E	E*
Solo [CLEARFIELD]	2	E		G	E	G	G	G	G*
Solo Ultra [CLEARFIELD]	1, 2	E		E	E	E	E	E	E

LENTILS PRODUCTS & TANK-MIXES	Chemical Group	GRASSY WEEDS Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	VOLUNTEERS Volunteer Barley	Volunteer Wheat
AIM + Glyphosates (pre-seed)	9, 14	E	E	E	E	E	E
Ares [CLEARFIELD]	2, 2	E	E	E	E	E	E*
Arrow / Centurion / Select / Shadow RTM	1	E	E	E	G	E	E
Assure II	1	G	E	G	G	E	E
Bonanza / Rival / Treflan	3	G	G	G	F		
Centurion + Odyssey [CLEARFIELD]	1+2	G	E	E	G	G	G
CleanStart (pre-seed)	9, 14		E	E	E	E	E
Edge Granular	3	E	E	E	G	P	F
Focus (pre-seed/pre-emerge)	14, 15	E	E	•	E		
Glyphosates (pre-harvest)	9						
Heat LQ (pre-seed/pre-emerge)	14						
Odyssey [CLEARFIELD]	2	G	G		G	G	G*
Odyssey Ultra [CLEARFIELD]	1, 2	E	E	E	E	E	E
Poast Ultra	1	E	E	E	G	E	E
Sencor / Tricor (post-emerge)	5						
Solo / Solo ADV [CLEARFIELD]	2	E	E	E	G	G	G*
Solo Ultra [CLEARFIELD]	1, 2	E	E	E	E	E	E
Valtera (Fall applied pre-emerge only)	14		S				

This table is presented as a guide only. It is strongly recommended that users refer to provincial crop protection guides and product labels.

Control rating:	E = Excellent	G = Good	F = Fair	P = Poor	S = Suppression only
	Alberta 8.5 to 9	Alberta 7.1 to 8.5	Alberta 6.1 to 7.0	Alberta < 6.0	Alberta 3,4,5

WEED CONTROL GUIDE 2018

BROADLEAF WEEDS														
Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed
		G	G	E	E		E	E	G	G	E	G	E	E	E
G		G	E			G		E	G	E	E	E	E	G	E
F		G						G			G	G			
		E		E	E		E	E	E	E	E	E	E	E	E
			E												
E				E			E	E	E	E	E	E	E	E	E
G	G	E	E			E	E	E		E	E	E	E	G	E
G		G	S			S	G	E			E	S		S	
P							P	P			P	P			
F	G	E	E		E	E	E	E	G	E	E	E	E	E	E
G		G	G		G	G	G	G	G	G	G	G	G	G	G
G															
					G	G				G	P			G	F
F		E	E		E	G	S	S		E	E	E	E	G	E
F		E	E		E	G	S	S		E	E	E	E	G	E
G				F			F	G		F	F	G		G	F
E			E			E		E	E		E	E	E		E
S			S				S	F		E	E		E	G	E
S			S				S	F		E	E		E	G	E

PERENNIAL WEEDS			
Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
G			
	F		
	G		
G			
F	F	G	G
G**	G	F	G
F	F	F	F
F	F	G	F
		F	G
	G		
	F		
		E	E

BROADLEAF WEEDS																
Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Nightshade, Hairy	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed
		G	G	E	E		E	E	G	G		E	G	E	E	E
G			G	E		G		E	E	E		E	E	E	G	E
F		G						G				G	G			
F		E	E		E	G	S	S		E		E	E	E	G	E
		E		E	E		E	E	E	E		E	E	E	E	E
G		G	F			F	G	E				G	P		P	
S			G				S	S		S		E				S
E			E		E		E	E	E	E		E				E
F		E	E			S		P		E		E	S	E	G	E
F		E	E			S		S		E		E	S	E	G	E
		F				F		F		F					F	F
S			S					F	S	E		E	G	E	E	E
S			S					F	S	E		E	G	E	E	E
		E					E	E			G	E				

PERENNIAL WEEDS			
Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
G			
	G		
	G		
	F		
G			
G**	G	F	G
	F		
	F		

• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

WEED CONTROL GUIDE 2018

CEREALS: WINTER WHEAT PRODUCTS	Chemical Group	Winter Wheat Tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
2,4-D	4	G	Many tank-mix partners	Many tank-mix partners
Achieve L / Bison 400L / Nufarm Tralkoxydim/ Marengo	1	G	2,4-D (4), 2,4-DB (4), Attain (4), Attain XC (4), Badge II (4,6), Bromotril II (6), Buctril M (4,6), Enforcer M (4,6), Estaprop XT (4), ForceFighter M (4,6), OcTTain XL (1), Pardner (6), Pixxaro (4), Prestige XC (4)	
AIM + Glyphosates (pre-seed)	9, 14	E	Glyphosates (9); 2,4-D Ester (4)	Glyphosates (9)
Attain XC	4	E		Achieve L (1), Simplicity (2)
Axial	1	E	Barricade II (2,4), Broadside (2,4), Buctril M (4,6), Curtail M (4), Enforcer M(4,6), Frontline XL(2,4), Infinity (6,27), MCPA (4), Mextrol (4,6), Momentum + MCPA (4), Prestige XC (4), Pulsar (4), Refine SG (2), Spectrum(2,4), Stellar (2,4), Travallas (2,4), Triton C (2,4), Trophy (4)	
Badge II / Buctril M / Logic M / Mextrol	4, 6	E	Ally (2), MCPA (4), Refine SG (2)	Varro (2)
Banvel II / Oracle / Xtendimax + 2,4-D amine/MCPA amine or K	4+4	F		
Barricade II	2, 4	e	2,4-D Ester (4), MCPA Ester (4)	Simplicity (2), Varro (2)
BlackHawk (pre-emerge)	4, 14	E	Glyphosates (9)	Glyphosates (9)
BroadSide / Refine M	2, 4	E		
Bromotril II / Koril / Pardner	6	E	2,4-D(4), MCPA (4)	Achieve L (1), Bison 400L (1)
Cirpreme XC	2, 4	E	2,4-D (4), MCPA (4)	Axial (1), Simplicity (2)
Deploy / MPOWER R / Nimble	2	E	2,4-D (4), MCPA (4)	
Dichlorprop DX / Estaprop XT / Turboprop	4	G	Many tank-mix partners	Many tank-mix partners
DyVel	4	F		
DyVel DSp	4	F		
Enforcer M	4, 6	E		Achieve L (1), Nufarm Tralkoxydim (1)
Enforcer MSU	2, 4, 6	E		
Everest 2.0 / Sierra 2.0	2	E	2,4-D (4), Buctril M/Logic M (4,6), MCPA (4), Refine SG (2), Deploy WDG (2)	
Everest 3.0 / Sierra 3.0	2	E	2,4-D (4), Buctril M/Logic M (4,6), MCPA (4), Refine SG (2), Deploy WDG (2)	
Express Pro + Glyphosates (pre-seed)	2, 9	E		
Express SG + Glyphosates (pre-seed)	2, 9	E		
Focus (pre-seed/pre-emerge)	14, 15	E	Glyphosates (9)	Glyphosates (9)
ForceFighter M	4, 6	E		Bison(1), Simplicity (2)
Flurox-24 / Rush 24	4	E		Many tank-mix partners
GoldWing (pre-emerge)	4, 14	E	Glyphosates (9)	Glyphosates (9)
Heat LQ (pre-seed/pre-emerge)	14	E	Glyphosates (9)	Glyphosates (9)
Infinity	6, 27	E	2,4-D (4), MCPA (4)	Achieve L (1), Varro (2)
Infinity FX	4, 6, 27	E	2,4-D Ester (4), MCPA Ester (4),	Achieve L (1), Axial (1), Horizon (1), Puma Advance (1), Traxos (1), Varro (2), Wildcat(1)
Korrex II (pre-seed only)	2, 4	•	Glyphosates (9)	Glyphosates (9)
Luxxur	2	E		2,4-D (4), Buctril M (4,6), Curtail M (4), Frontline XL (2,4), Infinity (6,27), Infinity FX (4,6,27), MCPA (4), OcTTain (4), Paradigm(2,4), Pixxaro (4), Prestige (4), Stellar (2,4), Trophy (4)
MCPA	4	E	Many tank-mix partners	Many tank-mix partners
OcTTain XL	4	E		Achieve L (1), Simplicity (2)
Optica Trio	4	•		
Paradigm	2,4	E	Curtail M (4), Glyphosates (9), MCPA (4)	Axial (1), Glyphosates (9), Simplicity(2), Varro (2)
Pixxaro	4	E		Achieve L (1), Simplicity (2)
Predicade	2, 4	•		
PrePass XC	2, 9	E	Glyphosates (9)	Glyphosates (9)
Prestige XC/XL / Esteem	4	E		Achieve L (1), Simplicity (2)
Refine SG	2	E	MCPA (4), Lontrel (4)	
Rexade	2, 4	E		
Simplicity / Simplicity GoDRI	2		Attain XC (4), OcTTain XL (4), Paradigm (2,4), Prestige XC (4), Pixxaro (4), MCPA (4)	
Sword / Target	4	G	Linuron (7), Sencor (5)	Horizon 240EC (1)
Travallas	2, 4	E	MCPA Ester (4)	Axial (1), Everest 2.0 (2), Simplicity (2), Varro (2)
Triton K	2, 4	•		Puma Advance (1)
Velocity M3	2, 6, 27	E	MCPA Ester (4), 2,4-D Ester (4)	
Varro	2		Buctril M (4,6), Infinity (6,27), Thumper (4,6)	

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WEED CONTROL GUIDE 2018

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
										P		G	E		G	E		E	•	G	E	F	E	P		P	P
F	G	G	G																								
E	E	E	E			G				G	G	E	E		E	E	G	G	E	G	E	E	E	G			
					E	E	•	G		S	E	G	E	S	E	E	E	E	E	G	E	G	E	G*		S	S
E	E	E	E																								
						G	G	E	F			G	G		G	E		E	G	G	G	G	G			P	P
						G*	G	G			G	G	E	F*	G	E		E	G	G	E	G	E	P		F	F
					G	G*		G	G	G	E	G	E	E	E	E	G	E	E	E		E	E			G	F
						E		E	E	E	E	E	E		E	E	E	E	E	E	E	E	E	E		E	E
						E	G	E		E	F		E	E	G	E	F	E	E	E	G	E	E	G		F	G
								G				F			F	G		F	F	G		G	F				
					E	E	G	E	S	E	E	E	E	E	S	E	E	G	E		E	E	G	E		E	E
						G	G	E		E	F		E	E	G	E	F	E	E	E	G	E	E			F	F
						G	G	G	G			G	E		G	E	F	E	G	G	E	G	E	G		F	F
						F	F	G			S	G	E	F	G	E		E	G	G	E	G	E			F	F
						G	F	G			S	G	E		G	E	S	E	G	G	E	G	E			F	F
					E	E	E	E	E	E	E	E	E	E	E	E		E	E	E	E	G	E			S	S
					E	E	G	E	E	E	E	E	E	E	E	E		E	E	E	E	G	E			S	S
	E		E			E												E	E		E	E	E				
S	E	S	E			E		S										E	E		E	E	E				
E	E	E	E		G	E		E	E	E	E		E	E	G*	E		E	E	E			E	E			G
E	E	E	E		G	E		G					E	E	G*	E		E	E	G			E	G			F
E	E	•	S					S			G				S	S		S	E				S				
						E	*	E	F	E	E	G	G	G	E	E		E	G	G	E	G	E			S	S
					G	E		G			E	G	E	F	E	E	G	E	G	G	E	G	E	G			F
						E		S	E		E		S		E	E	E	S	E				E	S			
						E		E			E		E		E	E	E	E	E				E				
						E		E		E	G*		E	E	E	E	S	E	E	E	E	E	E	S		S	S
					E	E		E		E	E		E	E	E	E	E	E	E	E	E	E	E	S		S	S
					G	E		E	•	E	E		E	E	E	E		E	E	•	E	E	E	E		S	S
E	E	S	E			G*		E			G			G		E	S	G	G	S	G	G	E	E		E	E
							P					G	E	F		E		E			E		E	P		P	P
					E	E	E	G		S	E	E	E	F	E	E	E	E	S	S	E	S	E	S		S	S
						•		•		•	•				•	•		•	•				•				
					E	E		E	S	E	E		E	S	S	E	E	E	E		E	E	E	G*		S	S
					E	E	•	E		E	E	E	E	E	E	E	E	E	E		E	S	E	S		S	S
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					E	E	G	E		S	E		E	S	E	E	E	E		E	G	E	F		E	E
						G*	G	E		E	F		E	E	G*	E	F	E	E	E	G	E	E			F	F
E	S*	E	E		E	E		E	S	E	E	•	E	E	S	E	E	G	E	S	E	E	E	S			S*
G	S*	G	E			G		S		E	E	•	G	E	•	S*	G	G	E	S*	G	E	G	S*		S	S
						G	G	G	G		G		E	F	G	E		E	G	G	E	G	E			F	F
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						E	G	G					E		E	G		E	G	G	G	G	E	E		G	G
G	G	S	G*			E		E		E	G		E	E	E	E	G	E	E	E	E	E	E	S		S	S
G	G	S	G*			•		•			•			•		S	S	•	•	S	•	•	•				

• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

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HATES WEEDS AS MUCH AS YOU DO.
There's nothing quite like knowing the worst weeds in your wheat fields have met with a fitting end. Following an application of Luxxur™ herbicide, you can have peace of mind that your wild oats and toughest broadleaf perennials have gotten exactly what they deserve.
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WEED CONTROL GUIDE 2018

CEREALS: BARLEY PRODUCTS	Chemical Group	Barley Tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
2,4-D	4	G	Many tank-mix partners	Many tank-mix partners
AIM + Glyphosates (pre-seed)	9, 14	E	2,4-D Ester (4)	
Accurate / Ally	2	G	2,4-D(4), MCPA (4)	Avenge (8), Cougar 120 EC (1), Puma Advance (1),
Achieve L / Bison 400L / Nufarm Tralkoxydim / Marengo	1	G	2,4-D (4), 2,4-DB (4), Attain/Flurox 24 (4), Badge (4,6), Bromotril II (6), Buctril M (4,6), Curtail M (4), Dichlorprop DX/ Estaprop XT (4), Enforcer D (4,6), Enforcer M (4,6), Lontrel(4), MCPA (4), Mextrol (4,6) OcTTain XL (4), Pardner (6), Pixxaro(4), Prestige XC (4), Pyralid (4), Thrasher (4,6), Thumper (4,6), Trophy (4)	
Approve / Thrasher II / Thumper	4,6	E		Achieve L (1), Avenge 200 C (8), Bison 400L (1), Cordon (1), Puma 120 Super (1), Puma Advance (1)
Assert 300 SC / Avert	2	E	2,4-D (4), Attain (4), CurtailM (4), Dichlorprop DX/Estaprop XT (4), Flurox-24 (4), Frontline XL (2,4), Infinity (6,27), MCPA (4), Prestige XC (4), Refine SG (2), Spectrum (2,4), Stellar (2,4), Trophy (4)	Cordon (1), Puma 120 Super (1)
Assert FL (Assert+Frontline)	2, 4	E		
Attain XC	4	G		Achieve L (1), Assert (2), Avert (2), Puma 120 Super (1)
Avadex Liquid EC / Avadex MicroActiv	8	E		Bonanza/Rival/Treflan (3)
Axial	1	E	Buctril M (4,6), Curtail M (4), Frontline XL (2,4), Infinity (6,27), MCPA (4), Mextrol (4,6), Paradigm (2,4), Pixxaro (4), Prestige XC (4), Refine SG (2), Spectrum (2,4), Stellar (2,4), Trophy (4)	
Axial iPak	1, 27	E		
Axial Xtreme	1, 4	E	Broadside (2,4), Buctril M(4,6), Curtail M (4), Mextrol (4,6), MCPA Ester (4), Infinity (6,27), Frontline XL (2,4), Refine SG (2)	
Badge / Buctril M / Logic M / Mextrol	4, 6	E	Ally (2), MCPA (4), Refine SG (2)	Achieve L (1) , Assert (2), Avenge (8), Axial (1), Puma Advance (1)
Banvel II / Oracle / Xtendimax + 2,4-D / MCPA	4+4	F	Sencor (5), Ally (2)	
Barricade II	2, 4	E	2,4-D Ester (4), MCPA Ester (4)	Assert (2), Axial (1), Puma Advance (1)
Bengal WB / Cordon / Cougar 120 EC / MPOWER Hellcat / Puma 120 Super / Wildcat	1	G	2,4-D (4), Ally (2), Badge/Buctril M (4,6), Curtail M (4), Dichlorprop DX/Estaprop XT (4), Dyvel (4), Enforcer D (4,6), Enforcer M (4,6), Infinity (6,27), MCPA (4), Prestige (4), Refine SG (2), Spectrum (2,4), Thrasher II (4,6), Thumper (4,6), Trophy (4), Turboprop (4)	
BlackHawk (pre-emerge)	4, 14	E	Glyphosates (9)	Glyphosates (9)
Blitz / MPOWER Battlefront / Priority / Spitfire 50 SC	2	E	Curtail M (4), MCPA (4)	Assert (2)
Bonanza / Rival / Treflan pre-emergence {foxtail}	3	E		Avadex BW (8) (Liquid EC formulations only)
Bonanza / Rival / Treflan {grassy and broadleaf}	3	F		
Broadband	1, 2	E	Curtail M (4), Infinity (6,27), MCPA Ester (4), Prestige XC (4)	
BroadSide / Refine M	2, 4	E		Assert (2), Axial (1), Avert (2), Puma 120 Super (1), Puma Advance (1), Traxos (1), Wildcat(1)
Bromotril II / Koril / Pardner	6	E	2,4-D (4), MCPA (4)	Achieve L (1) , Avenge (8),
Cirpreme XC	2, 4	E	2,4-D (4), MCPA (4)	Axial (1)
CleanStart (pre-seed)	9, 14	E		
Curtail M	4	G	Refine SG (2)	Achieve L (1), Assert (2), Avenge (8), Axial (1), Cordon(1), Nufarm Tralkoxydim (1), Puma 120 Super (1)
Deploy / MPOWER R / Nimble	2	E	2,4-D (4), Attain (2,4), Banvel II (4), Curtail M (4), MCPA (4), Lontrel (4), Pyralid (4)	Assert (2), Axial (1), Cougar 120 EC (1), Puma 120 Super (1)
Dichlorprop DX / Estaprop XT / Turboprop	4	G	Many tank-mix partners	Many tank-mix partners
DyVel	4	F		
DyVel DSp	4	F		
Enforcer D	4, 6	E		Achieve L (1) , Cordon (1), Nufarm Tralkoxydim (1), Puma Advance (1)
Enforcer M	4, 6	E		Achieve L (1), Axial (1), Cordon (1), Everest (2), Nufarm Tralkoxydim (1), Puma Advance (1), Signal (1), Varro (2)
Enforcer MSU	2, 4, 6	E		Cordon (1), Puma Advance (1), Axial (1)
Express FX + Glyphosates (pre-seed)	2, 4, 9	E		
Express Pro + Glyphosates (pre-seed)	2, 9	E		
Express SG + Glyphosates (pre-seed)	2, 9	E		
ForceFighter M	4, 6	E	Deploy (2), MPOWER R (2), Nimble (2), Refine SG (2)	Bison (1)
Fortress MicroActiv	3, 8	G		
Flurox-24 / Rush 24	4	E		Many tank-mix partners
Frontline XL/ Topline	2, 4	E		Assert (2), Avert (2), Axial (1), Puma 120 Super (1)
Glyphosates (pre-harvest)	9			
Goldwing (pre-emergent)	4, 14	E	Glyphosates (9)	Glyphosates (9)
Heat LQ (pre-seed/pre-emerge)	14	E	Glyphosates (9)	Glyphosates (9)
Hotshot (pre-seed only)	2, 6	E	Glyphosates (9)	Glyphosates (9)
Inferno WDG / MPOWER X / Nuance / Spike	2	•	2,4-D (4), Banvel II (4), MCPA Amine (4), Metribuzin (5)	Assert (2), Cordon (1), Cougar 120 EC (1), Puma 120 Super (1), Wildcat (1)
Infinity	6, 27	E	2,4-D (4), MCPA (4), Lontrel (4), Pyralid (4)	Achieve L (1), Axial (1), Puma Advance (1), Wildcat (1)
Infinity FX	4, 6, 27	E	2,4-D Ester (4), MCPA Ester (4)	Achieve L (1), Axial (1), Puma Advance (1)
KoAct (pre-seed only)	2, 4		Glyphosates (9)	Glyphosates (9)
Korrex II (pre-seed only)	2, 4	•	Glyphosates (9)	Glyphosates (9)
Linuron + MCPA amine	7+4	F		
Lontrel / Pyralid	4	E	2,4-D (4), MCPA (4), Refine SG (2)	Achieve L (1)

This table is presented as a guide only. It is strongly recommended that users refer to provincial crop protection guides and product labels.

Control rating:	E = Excellent	G = Good	F = Fair	P = Poor	S = Suppression only
	Alberta 8.5 to 9	Alberta 7.1 to 8.5	Alberta 6.1 to 7.0	Alberta < 6.0	Alberta 3,4,5

WEED CONTROL GUIDE 2018

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
						E	P			P		G	E		G	E		E	•	G	E	F	E	P		P	P
E	E	E	E			G				G	G	E	E		E	E	G	G	E	G	E	E	E	G			
						G		F		E			E	E	G*	E		E	E	G	E	G	E			F	F
G	G	G	G																								
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						G	G	E	F			G	G		G	E		E	G	G	G	G	G			P	P
						G	G	G			G	G	E	F*	G	E		E	G	G	E	G	E	P		F	F
					G	G*		G	G	G	E	G	E	E	E	E	G	E	E	E		E	E			G	F
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						G*	G	G		E	F		E	E	G	E	F	E	E	E	G	E	E			F	F
						G	G	G	G			G	E		G	E	F	E	G	G	E	G	E	G		F	F
						F	F	G			S	G	E	F	G	E		E	G	G	E	G	E			F	F
						G	F	G			S	G	E		G	E	S	E	G	G	E	G	E			F	F
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							G	S					E		G	E		E	G	G	E		E	S			F
						E		E		E	G*		E	E	E	E		E	E	G	E	E	E	S		S	S
					E	E		E		E	E		E	E	E	E	E	E	E	E	E	E	E	S		S	S
					E	E		E		E			E	E	E	E		E		E	E			E			
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	P	P						G		G		G	E	F		E		E	G		E	F	E				
								E														G				G	E

• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

WEED CONTROL GUIDE 2018

CEREALS: BARLEY PRODUCTS	Chemical Group	Barley Tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings. Check for variety restrictions; multiple tank-mixes. Many conditions apply: check provincial weed guide and labels.
MCPA amine and ester	4	E	Many tank-mix partners	Many tank-mix partners
MCPAK	4	E		
Mecoprop	4	G		
Momentum	4	•	2,4-D Ester (4), MCPA (4), Refine SG (2)	Achieve L (1), Axial (1), Marengo (1), Puma 120 Super (1), Wildcat (1)
Optica Trio	4	•		
OcTTain XL / Rush 24	4	G		Achieve L (1), Assert (2)
Outshine / Stellar	2, 4	•		Assert (2), Avert (2), Axial (1)
Paradigm	2, 4	E	Curtail M (4), Glyphosates (9), MCPA (4)	Axial (1), Glyphosates (9)
Pixxaro	4	E		Achieve L (1), Axial (1), Puma 120 Super (1), Puma Advance (1)
PrePass XC	2, 9	E	Glyphosates (9)	Glyphosates (9)
Prestige XC/XL / Esteem	4	E		Achieve L (1), Assert (2), Avert (2), Axial (1), Puma 120 Super (1), Puma Advance (1)
Pulsar	4		MCPA Ester (4)	
Puma Advance (Can apply alone)	1	E	2,4-D (4), Ally (2), Barricade II (2,4), Buctril M (4,6), Curtail M (4), Dichlorprop DX/Estaprop XT (4), Enforcer D (4,6), Enforcer M (4,6), Infinity (6,27), MCPA (4), Pixxaro (4), Prestige XC (4), Refine SG (2), Thumper (4,6), Trophy (4), Turboprop (4)	
Refine SG	2	E	2,4-D(4), Attain (2,4), Banvel II (4), Curtail (4), MCPA (4), Lontrel (4), Pyralid (4)	Assert (2), Axial (1), Puma 120 Super (1), Puma Advance (1)
Retain SG	2, 4	G		Assert (2), Avert (2), Axial (1), Puma 120 Super (1), Puma Advance (1)
Rush M / Trophy	4	E		Achieve L (1), Assert (2), Axial (1), Bengal WB (1), Bison 400L (1), Cordon (1), Nufarm Tralkoxydim (1), Puma Advance (1), Signal (1), Simplicity (1), Traxos (1)
Sencor* / Squadron / Tricor	5	F	2,4-D (4), Banvel II (4), MCPA (4), Target (4)	
Spectrum	2, 4	E		Assert (2), Avert (2), Axial (1), Puma 120 Super (1)
Sword / Target	4	F	Linuron (7), Sencor (5)	
Travallas	2, 4	E	MCPA Ester (4)	Axial (1)
Triton C	2, 4	E	2,4-D (4)	Axial (1), Puma 120 Super (1), Puma Advance (1)
Triton K	2, 4	•		Puma Advance (1)
Tundra	1+6, 27	E	2,4-D (4), MCPA Ester (4), Lontrel (4), Pyralid (4)	

CEREALS: OATS PRODUCTS	Chemical group	Oats tolerance	BROADLEAF WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings.	GRASSY WEED TANK-MIX PARTNERS (GROUP) Adds to control rating shown: check individual products for added ratings.
AIM + Glyphosates (pre-seed)	9, 14	E		
Badge II / Buctril M / Logic M / Mextrol	4 , 6	E	MCPA (4), MCPAK (4)	
Banvel II / Oracle / Xtendimax + MCPA (Amine, K)	4+4	F		
BlackHawk (Seven days prior to seeding)	4, 14	G	Glyphosates (9)	Glyphosates (9)
Blitz / MPOWER Battlefront / Priority / Spitfire 50 SC	2	E	Curtail M (4), MCPA (4)	
BroadSide / Refine M	2, 4	E		
Bromotril II / Koril / Pardner	6	E	MCPA (4), MCPAK (4)	
CleanStart (pre-seed)	9, 14	E		
Curtail M	4	E	MCPA (4)	
Deploy / MPOWER R / Nimble	2	E	MCPA (4)	
DyVel	4	F		
Express SG + Glyphosates (pre-seed)	2+9	E		
Frontline XL / Topline	2, 4	E		
Glyphosates (pre-harvest) (not all brands)	9			
GoldWing (pre-emerge)	4, 14	E	Glyphosates (9)	Glyphosates (9)
Heat LQ (pre-seed/pre-emerge)	14	E	Glyphosates (9)	Glyphosates (9)
Hotshot (pre-seed only)	2, 6	E	Glyphosates (9)	Glyphosates (9)
Korrex II (pre-seed only)	2, 4	•	Glyphosates (9)	Glyphosates (9)
Linuron + MCPA amine	7	F		
Lontrel / Pyralid	4	E	MCPA (4), Refine SG (2)	
MCPA Amine and Ester	4	E	Many tank-mix partners	Linuron (MCPA amine only) (7)
MCPAK	4	E		
Mecoprop	4	G		
Optica Trio	4	•		
PrePass XC	2, 9	E	Glyphosates (9)	Glyphosates (9)
Prestige XC / Esteem	4	E		
Refine SG	2	E	MCPA (4), Lontrel (4), Pyralid (4)	
Spectrum	2, 4	E		
Stellar XL	2, 4	E		
Sword / Target	4	F		

This table is presented as a guide only. It is strongly recommended that users refer to provincial crop protection guides and product labels.

Control rating:	E = Excellent	G = Good	F = Fair	P = Poor	S = Suppression only
	Alberta 8.5 to 9	Alberta 7.1 to 8.5	Alberta 6.1 to 7.0	Alberta < 6.0	Alberta 3,4,5

WEED CONTROL GUIDE 2018

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
							P					G	E	F		E		E			E		E	P		P	P
												G	E	F		E		E			E		E			P	P
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					E	E	E	G		S	E	E	E	F	E	E	E	E	S	S	E	S	E	S		S	S
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					E	E		E	S	E	E		E	S	S	E	E	E	E		E	E	E	G*		S	S
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					E	E	E	E		S	E		E	S	E	E	E	G		E	G	E	G*		E	E
					F			G			E				E	F		P	F							
E	E	E	G																							
						G*	G	E		E	S		E	E	G*	E	F	E	E	E	G	E	E			F	F
						G*	G	G		E	G		E	E	G	E	F	E	E	E	G	E	E			F	F
					E	E	E	S			E	E	E	E	E	E		E	E		E	S	E				
						G			G	G				F		G		G	F	G		G	G				
						E		E		E	E		E	E		E		E	E		E	E	E	E		G	G
						G	G	G	G		G		E	F	G	E		E	G	G	E	G	E			F	F
					E	E		E	E	E	E		E	E	E	E		E	E	E	E	E	G	E			G
						G*	G	E		E	E		E	E	G*	E	G	E	E	E	G	E	E			F	F
						E	G	G					E		E	G		E	G	G	G	G	E	E		G	G
E	E	E	G			E		E		E	Ga		E	E	E	E	S	E	E	E	E	E	E	S		S	S

GRASSY WEEDS				VOLUNTEERS				BROADLEAF WEEDS																PERENNIAL WEEDS			
Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Vol. Corn	Vol. Flax	Vol. Canola/ Mustard	Vol. Sunflowers	Buckwheat, Wild	Catch Fly, Night Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed	Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
E	E	E	E			G				G	G	E	E		E	E	G	G	E	G	E	E	E	G			
						G	G	E	F			G	G		G	E		E	G	G	G	G	G			P	P
						G*	F	G			G	G	E	S*	G	E		E	G	G	E	G	E	P		S*	S*
						E		E	E	E	E	E	E		E	E	E	E	E	E	E	E	E	E		E	E
						E		E		E	E			S				E	S		E	E	E			S	
						E	G	E		E	S		E	E	G	E	F	E	E	E	G	E	E	G		F	G
								G				F			F	G		F	F	G		G	F				
	E	E	E			E				E		E	E		E	E	E	E	E	E	E	E	E	G			
						F	G	G				•	E		S	E		E	F		E	F	E	G*		G	G
						G	G	E		E	F		E	E	G	E	F	E	E	E	G	E	E			F	F
						F	F	G			S	G	E	F	G	E		E	G	G	E	G	E			F	F
E	E	E	E		G	E		G					E	E	G*	E		E	E	G			E	G			F
						E	•	E		E	E		E	G		E		E	E		E	E	E	F*		F	F
																								G**	G	F	G
						E		S	E		E		S		E	E	E	S	E				E	S			
						E		E			E		E		E	E	E	E	E				E				
						E	•	E		E	E	F	E	G	F	E		E	E	G	E	E	E	F		F	F
					G	E		E	•	E	E		E	E	E	E		E	E	•	E	E	E	E		S	S
	P							G		G		G	E	F		E		E	G		E	F	E				
								G																		F	G
							P					G	E	F		E		E			E		E	P		P	P
												G	E	F		E		E			E		E			P	P
										E	G					E		E									P
						•		•		•	•				•	•		•	•								
•	E	•	E		E	E		E		E	E		E	E	E	E	E	E	E	E	E	E	E	E		S	S
					E	E	E	E		G	E		G	G	E	E	G	E	E		E	G	E	F		E	E
						G*	G	E		E	S		E	E	G*	E	F	E	E	E	G	E	E			F	F
						E		E		E	E		E	E		E		E	E		E	E	E	E		G	G
					E	E	E	E		E	E		G	G	G	E		G	G		E	G	E				
						G	G	G	G		G		E	F	G	E		E	G	G	E	G	E			F	F

• Insufficient data to provide rating

* Conditions apply: Check provincial guides or product labels. Some products and tank-mixes may have higher ratings on some weeds than shown in the table: additive effects and antagonism may also affect ratings. Some products and tank-mixes are only recommended for certain varieties. Weed and crop stage or environmental conditions may affect efficacy. Various formulations may be available and additional application rates may be recommended.

** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

WEED CONTROL GUIDE 2018

PEAS PRODUCTS & TANK-MIXES	Chemical Group	Peas Tolerance	GRASSY WEEDS				VOLUNTEERS	
			Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Volunteer Barley	Volunteer Wheat
AIM + Glyphosate (pre-seed)	9, 14	E	E	E	E	E	E	E
Arrow / Centurion / Select / Shadow RTM	1	E	E	E	E	G	E	E
Arrow / Centurion / Select / Shadow RTM + Pursuit / Multistar	1+2	G	E	E	E	G	E	E
Assure II	1	E	G	E	G	G	E	E
Authority (pre-seed/pre-emerge)	14	E						
Authority Supreme (pre-seed/pre-emerge)	14, 15	E	E	G	G	S		
Avadex Liquid EC	8	E				G		
Basagran / Basagran Forte	6	G						
Bonanza / Rival / Treflan	3	G	G	G	G	F		
Bonanza / Rival / Treflan + Sencor	3+5	G	E	E	E	G	P	P
Centurion + Odyssey	1+2		G	E	E	G	G	G
CleanStart (pre-seed)	9, 14	E		E	E	E	E	E
Edge	3	G	E	E	E	G	P	F
Express SG + Glyphosates (pre-seed)	2+9	E*	E	E	E	E	E	E
Gladiator / MPOWER Kamikaze / MultiStar / Phantom / Pursuit	2	G		F		S		
Glyphosates (pre-harvest)	9							
GoldWing (pre-emergent)	4, 14	E						
Heat LQ (pre-seed/pre-emerge)	14	E						
MCPA (Amine, Na only)	4	F						
MCPB + MCPA	4	F						
Odyssey	2	G	G	E		G	G	G
Odyssey Ultra	1+2	G	E	E	E	E	E	E
Poast Ultra	1	E	E	E	E	G	E	E
Poast Ultra + MultiStar / Pursuit	1+2	G	E	E	E	G	E	E
Sencor / Squadron / Tricor (post-emerge)	5	F						
Valtera (pre-emerge)	14	E		S				
Viper ADV	2, 6	G	G	E	E	G	G	G

FLAX PRODUCTS & TANK-MIXES	Chemical Group	Flax Tolerance	GRASSY WEEDS				VOLUNTEERS	
			Barnyard Grass	Foxtail, Green	Foxtail, Yellow	Wild Oats	Volunteer Barley	Volunteer Wheat
AIM + Glyphosates (pre-seed)	9, 14	E	E	E	E	E	E	E
Arrow / Centurion / Select / Shadow RTM {inc. low linolenic}	1	E	E	E	E	G	E	E
Arrow / Centurion / Select / Shadow RTM + Badge II / Buctril M / Logic M / Mextrol*	1+4, 6	F	E	E	E	G	E	E
Arrow / Centurion / Select / Shadow RTM + Curtail M	1+4	G	E	E	E	G	E	E
Arrow / Centurion / Select / Shadow RTM + Lontrel / Pyralid	1+4	E	E	E	E	G	E	E
Arrow / Centurion / Select / Shadow RTM + MCPA	1+4	F	E	E	E	G	E	E
Assure II {inc. low linolenic}	1	E	G	E	G	G	E	E
Authority (pre-seed/pre-emerge)	14	E						
Avadex Liquid EC / Avadex MicroActiv	8	E				G		
Badge II / Buctril M / Logic M / Mextrol {inc. low linolenic}	4, 6	F						
Basagran / Basagran Forte	6	F						
Bonanza / Rival / Treflan	3	F	G	G	G	F		
Bromotril II / Koril / Pardner {inc. low linolenic}	6	F						
CleanStart (pre-seed)	9, 14	E		E	E	E	E	E
Curtail M	4							
Eptam {not Sask.}	8	F	G	G	G	G	F	F
Fortress MicroActiv	3, 8	G	G	G	G	G		
Glyphosates (pre-harvest)	9							
Lontrel / Pyralid	4	E						
Lontrel / Pyralid + MCPA {ester or amine}	4+4	E						
MCPA / MCPAK	4	F						
Poast Ultra {inc. low linolenic}	1	E	E	E	E	G	E	E
Poast Ultra + Badge II / Buctril M / Logic M / Mextrol* {inc. low linolenic}	1+4, 6	F	E	E	E	G	E	E
Poast Ultra + Lontrel / Pyralid {inc. low linolenic}	1+4	E	E	E	E	G	E	E
Poast Ultra + Lontrel / Pyralid + MCPA {inc. low linolenic}	1+4+4	E	E	E	E	G	E	E
Poast Ultra + MCPA {inc. low linolenic}	1+4	E	E	E	E	G	E	E

This table is presented as a guide only. It is strongly recommended that users refer to provincial crop protection guides and product labels.

Control rating:	E = Excellent	G = Good	F = Fair	P = Poor	S = Suppression only
	Alberta 8.5 to 9	Alberta 7.1 to 8.5	Alberta 6.1 to 7.0	Alberta < 6.0	Alberta 3,4,5

WEED CONTROL GUIDE 2018

BROADLEAF WEEDS																
Buckwheat, Wild	Catch Fly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Nightshade, Hairy	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed
		G	G	E	E		E	E	G	G		E	G	E	E	E
S		G	G			G				E		G		G	G	E
E			S				E	E				E				
E			E				E	E		S		E				G
		F	F	F				F		F		S	F	F	F	F
F		G						G				G	G			
G		G	P			F	G	E		G		G	P		G	G
F		E	E		E	G	S	S		E		E	E	E	G	E
		E		E	E		E	E	E	E		E	E	E	E	E
G		G	F			F	G	E				G	P		P	
G					E	E	G*	E		E		E	G			E
S		G	G			G				E		G		G	G	E
S	E		E		S		E	E	E	S		E				E
E			E		E		E	E	E	E		E				E
					P			P		G				P		P
						F		G		G		G		G		G
S		E	E		E	S		S		E		E	E	E	G	E
S		E	E		E	S		S		E		E	E	E	G	E
G		G	G			G		P		E		G		G	G	E
		G				F		G		G					G	G
		E					E	E			G	E				
S			S			S	S	G	S	E		E	G	E	F	E

PERENNIAL WEEDS			
Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
G			
	F		
	F		
	G		
			P
	F		
G			
G			F
G**	G	F	G
S			
		P	P
	F		
	F		
F			

BROADLEAF WEEDS																
Buckwheat, Wild	Catch Flly, Night-Flowering	Chickweed	Cleavers	Cocklebur	Flixweed	Hempnettle	Kochia	Lamb's-Quarters	Mallow, Round-Leaved	Mustard, Wild	Nightshade, Hairy	Pigweed, Red Root	Russian Thistle	Shepherd's Purse	Smart Weed, Annual	Stinkweed
		G	G	E	E		E	E	G	G		E	G	E	E	E
E	F			G	G		G	E		E		S	G	G	F	G
F				•	E			E		E		P		E	P	E
G																
				G	E	F*		E		E				E		E
E			S				E	E				E				
E	F			G	G		G	E		E		S	G	G	F	G
		F	F	F				F		F		P	F	F	F	F
F		G						G				G	G			
G				F			F	G		F		F	G		G	F
		E		E	E		E	E	E	E		E	E	E	E	E
F				•	E			E		E		P		E	P	E
		G						G				G				
P							P	P				P	P			
G																
E				G	G	F*		E		E				E		E
				G	E	F*		E		E				E		E
E	F			G	G		G	E		E		S	G	G	F	G
E																
E				G	E	F		E		E				E		E
				G	E	F		E		E				E		E

PERENNIAL WEEDS			
Dandelion	Quackgrass	Sowthistle, Perennial	Thistle, Canada
G			
	F		
	F	P	P
G*	F	G	G
	F	F	G
P	F	P	P
	G		
		P	P
			F
G			
G*	F	G	G
G**	G	F	G
		F	G
P		E	G
P		P	P
	F		
	F	P	P
	F	E	G
P	F	E	G
P	F	P	P

• Insufficient data to provide rating

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** Dandelion not on label for all glyphosates

*** Not Durum wheat

Red type Herbicide tolerant varieties only

Reaching 'Level NEXT' with Bayer's newest powerful herbicides

While early weed removal is critical to making sure you're getting the cleanest field, using powerful herbicides like Bayer's Luxxur™ and Infinity® FX to ensure you're dominating even the toughest weed challenges is the best line of defense.

Innovative herbicide options from Bayer have emerged from the research and development pipeline to give growers superior tools and unique advantages to battle the toughest weed challenges this growing season.

"The defining characteristic of these herbicides is the sheer performance they deliver," says James Humphris, Cereal Crop Manager at Bayer. "They truly attain a next level of performance that allows growers to ensure the maximum potential for a strong crop year, by neutralizing the weed threat. Now is a good time to plan on taking advantage of these new options for optimal results in 2018."

Commanding control of grass and perennial weeds

LUXXUR herbicide - a cutting-edge weed destroyer that offers commanding control of the most challenging grass and perennial weeds that threaten wheat fields. It offers exceptional control of wild oats and foxtail, as well as perennial weeds, including dandelions, Canada thistle and narrow-leaved hawk's beard.

Along with its ability to handle a wide range of weeds, a key agronomic advantage of Luxxur is the flexibility it provides to growers to rotate back to sensitive pulse crops.

Active ingredients include Thiencarbazone-methyl (Group 2) and Tribenuron-methyl (Group 2).

Dynamic protection for cereals

INFINITY FX herbicide – a dynamic broadleaf-focused technology that strikes early, hard and fast against the toughest broadleaf weeds. Infinity FX provides increased control of cleavers up to 9 whorls and kochia up to 15 cm.

It combines the raw power of three leading-edge herbicide Groups, serving as both an exceptional resistance management tool and a dynamic weed weapon showcasing a broad spectrum of industry leading control. With recent discovery of triple resistant kochia in Western Canada, a herbicide like Infinity FX has never been more important.

Active ingredients include bromoxynil (Group 6), pyrasulfotole (Group 27) and fluroxypyr (Group 4).

Infinity FX led the pack versus the competition on all key categories of the most recent Bayer Internal Agronomic Development trials. A tank-mix friendly option, perfectly matched with Varro, it also offers a wide window of application and excellent crop safety.

Dandelion untreated

Dandelion treated with Luxxur after 30 days

Source: 2016 Internal Bayer Trials.
Your results may vary according to agronomic, environmental and pest pressure variables.

Untreated Cleavers

9 whorl Cleavers treated with Infinity FX after 7 days

Source: 2015-2016 Internal Bayer Trials, n = 9.
Your results may vary according to agronomic, environmental and pest pressure variables.

Always read and follow label directions. Infinity® and Luxxur™ are trademarks of the Bayer Group.
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TAKE A BITE OUT OF CLEAVERS AND KOCHIA
It's time to get territorial. Strike early, hard and fast against your toughest broadleaf weeds.
Lethal to cleavers up to 9 whorls and kochia up to 15 centimeters, Infinity® FX is changing the landscape of cereal weed control.
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