



BARLEY SOLUTIONS



HERBICIDE (BROADLEAF)



HERBICIDE (GRASS)



INSECTICIDE



FUNGICIDE

Product (GROUP #)	ACTIVE INGREDIENT	KEY BENEFITS AND USES	RATE	ADJUVANT REQ'D?*	PACKAGING ACRES TREATED
PRE-SEED					
EMPHASIS[®] MAX (6 & 14) NEW	Bromoxynil & Carfentrazone-ethyl	Multiple modes of action and fast burndown control of broadleaf (including Group 2-, 4-, 5- and 9-resistant biotypes) and grassy weeds (when mixed with glyphosate)	Low rate: 30 ml/ac of EMPHASIS [®] A 472 ml/ac of BROMOTRIL [®] 240 EC High rate: 60 ml/ac of EMPHASIS [®] A 472 ml/ac of BROMOTRIL [®] 240 EC	No	Co-pack includes: 2 x 1.2 L EMPHASIS [®] A 2 x 9.7 L BROMOTRIL [®] 240 EC Acres Treated: 40 ac/co-pack
INVOLVE[®] 50 WDG (2)	Tribenuron-methyl	Control of broadleaf and grassy weed pre-seed, post-harvest and summerfallow applications (when tank-mixed with glyphosate at a rate of 0.5 REL/acre)	6 g/ac	Yes	Case: 10 x 480 g bottles - 80 ac/bottle
PRIORITY[®] HL (2) NEW <small>High Load</small>	Florasulam	Ideal tank-mix partner with glyphosate (at a rate of 0.5 REL/ac) for pre-seed burn-off to control a wide range of annual broadleaf and grassy weeds <i>NOTE: No adjuvant is required when tank mixed with glyphosate. If applied on its own add Agral 90 @ 0.2% v/v</i>	10 ml/ac	No	Case: 4 x 1.62 L jugs - 160 ac/jug
IN-CROP					
BISON[®] 400 L (1)	Tralkoxydim	Wide window of application and excellent control of Persian Darnel, Wild Oats and other grassy weeds; tank-mix flexibility with more than 20 different broadleaf herbicides	200 ml/ac	Included in co-pack	Co-pack includes: 1 x 8 L jug of BISON [®] 400 L 1 x 8 L jug of Addit [®] adjuvant 40 ac/co-pack
BRAZEN[®] II (1)	Pinoxaden	Selective control of Wild Oats, Green Foxtail, Yellow Foxtail, Persian Darnel, Volunteer Oats, Volunteer Canary Seed and Proso Millet	160-240 ml/ac	Included in co-pack	Co-pack includes: 1 x 9.7 L jug of BRAZEN [®] II 1 x 11.3 L jug of Cohere [™] adjuvant 40-60 ac/co-pack
BRAZEN ALL IN[®] (1) NEW	Pinoxaden	Post-emergence herbicide for the control of grassy weeds with great tank-mix flexibility and built-in adjuvant	500 ml/ac	Built-in adjuvant	Case: 2 x 10 L jugs Acres Treated: 20 ac/jug
BADGE[®] (4 & 6)	Bromoxynil & MCPA Ester	Proven control of almost 30 broadleaf weeds with easy-to-use tank-mix options for one-shot weed control	500 ml/ac	No	Case: 2 x 10 L jugs - 20 ac/jug Drum: 120 L - 240 ac/drum Tote: 450 L - 900 ac/tote
FORCEFIGHTER ALL IN[®] (4 & 6) NEW	Bromoxynil, Fluroxypyr & MCPA Ester	Provides dual modes of action post-emergent control of annual and perennial broadleaf weeds in barley	567 ml/ac	No	Case: 2 x 11.37 L jugs - 20 ac/jug Drum: 90.96 L - 160 ac/drum Tote: 454.8 L - 802 ac/tote
OUTSHINE ALL IN[®] (2 & 4) NEW	Florasulam, Fluroxypyr & MCPA 2-EH Ester	A selective postemergence herbicide for the control of hard-to-kill annual broadleaf weeds in spring barley. Now in a more convenient formulation	405 ml/ac	No	Case: 2 x 8.1 L jugs - 20 ac/jug Drum: 97.2 L - 240 ac/drum Tote: 518 L - 1280 ac/tote
RUSH 24 ALL IN[®] (4) NEW	2,4-D Ester & Fluroxypyr	Controls a wide spectrum of broadleaf weeds like Cleavers and Kochia (including Group 2-resistant biotypes) with excellent grassy weed herbicide compatibility. Now in a more convenient formulation	445 ml/ac	No	Case: 2 x 8.9 L jugs - 40 ac/case Drum: 106.8 L - 240 ac/drum Tote: 427.2 L - 960 ac/tote
BUMPER[®] 432 EC (3) <small>Low VOC</small>	Propiconazole	Controls Net Blotch, Leaf and Stem Rust, Septoria Leaf Spot, Powdery Mildew, Scald and Spot Blotch in barley	Early-season: 60 ml/ac At flag leaf: 120 ml/ac	No	Case: 2 x 4.8 L jugs - 40-80 ac/jug
CUSTODIA[®] (3)	Tebuconazole & Azoxystrobin	Controls Net Blotch, Spot Blotch, Leaf Rust, Stem Rust, Stripe Rust, Septoria Leaf Blotch and Tan Spot in barley	190-250 ml/ac	No	Case: 2 x 10.08 L jugs - 40-53 ac/jug
SORADUO[™] (3) <small>Asorbital</small>	Tebuconazole & Prothioconazole	Advanced disease protection with a built-in surfactant-powered by Asorbital [®] Formulation. Proven protection against Fusarium	SORADUO[™] A: 162 ml/ac SORADUO[™] B: 94 ml/ac	Built into formulation	Co-pack includes: 1 x 9.71 L jug of SORADUO [™] A 1 x 5.65 L jug of SORADUO [™] B 60 ac/co-pack
SORATEL[®] (3) <small>Asorbital</small>	Prothioconazole	Advanced disease protection with a built-in surfactant-powered by Asorbital [®] Formulation Technology. Control of Net Blotch, Scald, Spot Blotch and suppression of Fusarium Head Blight	160-320 ml/ac	Built into formulation	Case: 2 x 9.6 L jugs - 30-60 ac/jug Drum: 115.2 L - 480 ac/drum
SILENCER[®] 120 EC (3)	Lambda-cyhalothrin	Controls Grasshoppers and Armyworms in wheat	17-94 ml/ac (Standard rate for most pests: 34 ml/ac)	No	Case: 4 x 3.785 L jugs - 40-220 ac/jug (Standard rate: 110 ml/ac)

* These products must be used with a labelled surfactant or adjuvant. See product label for rates.

NOTE: These are just a few of the many ADAMA crop protection products available for barley growers in Western Canada. For a complete list of registered products and labels, please visit our website at www.adama.com



BARLEY SOLUTIONS

- HERBICIDE: BROADLEAF
- HERBICIDE: GRASSES
- INSECTICIDE ■ FUNGICIDE



GROWING STAGES	Pre-Seed	Seeding	Pre-Emerg.	Emergence	1st Leaf	3rd Leaf	4 Leaf - 2 Tillers	5th Leaf	Penult. Leaf	Flag Leaf	Early Head Emerg.	Full Head Emerg.	20% Flower	50% Flower	Harvest
PRODUCT															
2.4-D ESTER 700		■					■	■	■	■					
BADGE®						■	■	■	■	■					
BISON® 400 L						■	■	■	■	■					
BRAZEN® II/ BRAZEN ALL IN®						■	■	■	■	■					
BROMOTRIL®		■				■	■	■	■	■					
EMPHASIS® MAX		■													
ESTEEM®/ ESTEEM ALL IN®						■	■	■	■	■					
FORCEFIGHTER® M/ FORCEFIGHTER ALL IN®						■	■	■	■	■					
INVOLVE® 50 WDG		■					■	■	■	■					
MCPA ESTER 600						■	■	■	■	■					
OUTSHINE® OUTSHINE ALL IN®						■	■	■	■	■					
PRIORITY® HL <small>High Load FORMULATION TECHNOLOGY</small>		■													
RUSH® 24/ RUSH 24 ALL IN®							■	■	■	■					
SQUADRON®						■	■	■	■	■					
THRASHER®							■	■	■	■					
TOPLINE®							■	■	■	■					
SILENCER® 120 EC†															
SOMBRERO® 600 FS		■													
ZIVATA® † <small>Low VOC FORMULATION TECHNOLOGY</small>															
BUMPER® 432 EC <small>Low VOC FORMULATION TECHNOLOGY</small>															
CUSTODIA®															
ORIOUS® 430 SC															
SORADUO™ <small>Asorbital FORMULATION TECHNOLOGY</small>															
SORATEL® <small>Asorbital FORMULATION TECHNOLOGY</small>															
TOPNOTCH™															

Timing based on using the product alone. Please refer to tank-mix partners label for crop timing. †Dependent on PHI Always read and follow label directions.

BADGE®, BISON®, BRAZEN® II, BRAZEN ALL IN®, BROMOTRIL®, BUMPER®, CUSTODIA®, EMPHASIS® MAX, ESTEEM®, ESTEEM ALL IN®, FORCEFIGHTER® M, FORCEFIGHTER ALL IN®, INVOLVE®, ORIOUS®, OUTSHINE®, OUTSHINE ALL IN®, PRIORITY® HL, RUSH® 24, RUSH 24 ALL IN®, SILENCER®, SOMBRERO®, SORATEL®, SQUADRON®, THRASHER®, TOPLINE®, and ZIVATA® are registered trademarks and, COHERE™, SORADUO™, and TOPNOTCH™ are trademarks of an ADAMA Group Company. All other products are trademarks of their respective companies.

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