



ADAMA

HERBICIDE

ARROW ALL IN®

Your best tank-mix partner for all glufosinate products. ARROW ALL IN® provides the convenience of a built-in surfactant and is available in bulk.



GROUP 1

Active Ingredient:

Clethodim 120 g/L EC

Application Rates and Acres Treated:

Rate: 100 – 300 ml/ac

Acres Treated: 20 – 60 ac/jug;
320 – 960 ac/drum

Packaging:

Case: 2 × 6 L jugs
Bulk: 96 L drums

Water Volume:

Ground: 40 L/ac (10 US gal/ac)
Aerial: Do not apply by air.

Rainfastness:

1 hour

Don't settle for basic grass control when you can have the advanced formulation with ARROW ALL IN®

It offers the same effective control as other clethodim herbicides, but with more concentrated packaging, fewer jugs and the added convenience of a built-in surfactant. That means less time spent getting ready to spray and more time getting the job done.

KEY BENEFITS:

- Flexible tank-mix options
- One solution for annual grassy weed control in multiple crops, including canola, pulses, soybeans and a variety of specialty crops
- Proven to be equally effective as other clethodim products like Centurion®
- 80 acre case with built-in surfactant cuts down on the amount of cases per field by half, saving time and hassle
- Surfactant comes pre-mixed: simplifies spraying; convenient; saves time
- A proven solution: while new to Canada and unique to our market, the ARROW ALL IN® formulation is used and trusted by growers around the world
- Superior formulation provides consistently better mixing than the competition



ARROW ALL IN®

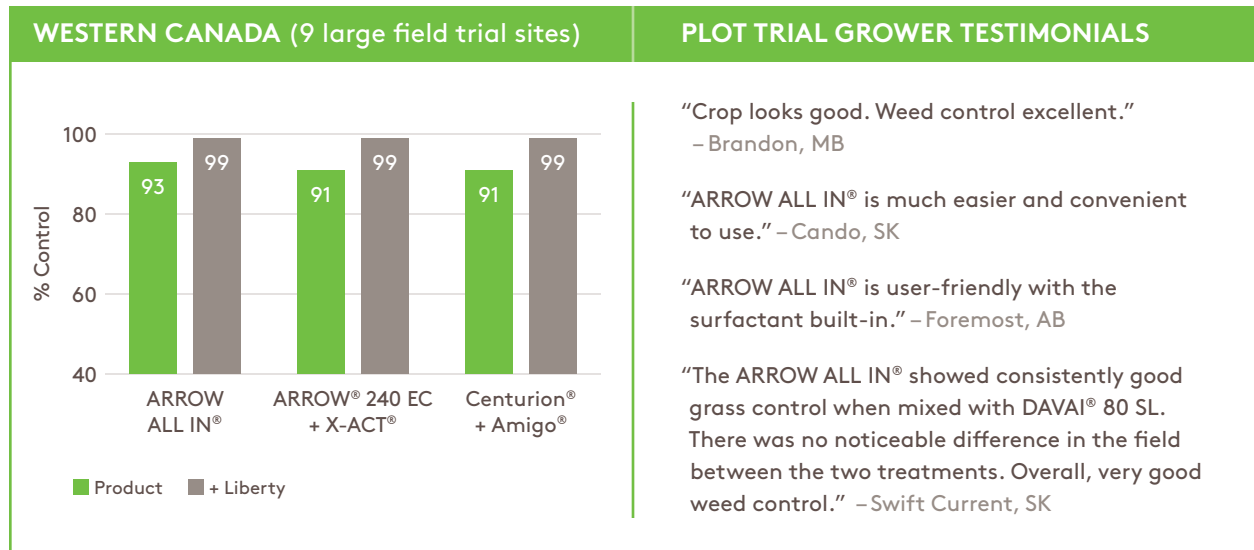
Field Test Results

Summary

- After totalling results, ARROW ALL IN® was found to be just as, or slightly more effective, than the other applications: ARROW ALL IN® provided 93% control, while ARROW® 240 EC and BASF's Centurion® provided 91% control
- Statistical results mirrored grower testimonials, which noted that ARROW ALL IN® was a convenient solution and offered similar (or better) efficacy as other clethodim treatments

About

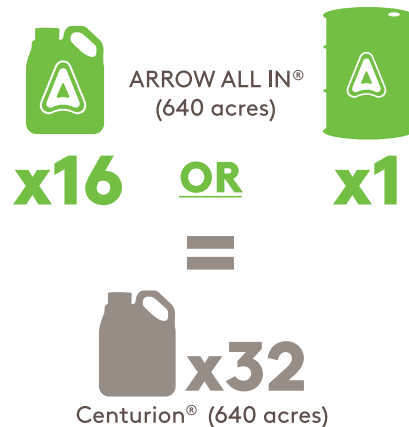
- Conducted large, farmer-applied field trials in nine locations across Manitoba, Saskatchewan and Alberta (Brunkild, MB; Brandon, MB; Carlyle, SK; Norquay, SK; Cando, SK; Swift Current, SK; Foremost, AB; Spirit River, AB; Vegreville, AB)
- Treated a variety of weeds, including wild oats, volunteer cereals, volunteer wheat, green foxtail, volunteer durum, downy brome and foxtail barley



Trial yield data is compiled from sites located across Western Canada.

ARROW ALL IN® versus Centurion®

- Same or better efficacy as Centurion® with half the packaging
- Built-in surfactant: less jugs, more convenience
- Simplified tank mixing, loading, storage and disposal with less packaging



HOW IT WORKS:

The active ingredient is translocated from the treated foliage to the growing points of the leaves, shoots and roots. Leaf foliage will first change from green to yellowish, then purplish and finally brown. Newest leaf of affected plant pulls out easily in 3–5 days. Time required for complete control is normally 7–21 days following treatment, depending on growing conditions and crop competition.

Registered Crops	Key Weeds Controlled		
	Grass Species	Leaf Stage	Rates
Alfalfa, seedling Beans, dry (pinto, black, great northern, red, pink, navy) Canola Chickpeas (Desi & Kabuli) Field peas Flax Lentils Mustard (oriental, brown, yellow) (condiment type only) Potatoes Soybeans Sunflowers	Foxtail (green, yellow), Wild oats, Volunteer cereals (wheat, barley, oats)	2–4	100 ml/ac
	Barnyard grass, Fall panicum, Proso millet, Volunteer corn, Volunteer canarygrass, Witch grass	2–6	100 ml/ac
	Barnyard grass, Crabgrass (smooth, large), Fall panicum, Foxtail (green, yellow), Persian darnel, Proso millet, Quack grass (suppression), Volunteer canarygrass, Volunteer cereals (wheat, barley, oats), Volunteer corn, Wild oats, Witch grass	2–6	150 ml/ac
	Quack grass (control)	2–6	300 ml/ac

CROP STAGING:

- Most crops are tolerant at all stages, so target applications at the optimal weed stage
- Always adhere to the pre-harvest interval for each crop

SUPPORTED TANK MIXES:

- Flax: BADGE® (including low-linolenic varieties); MCPA Ester 600 (does not include low-linolenic varieties); Lontrel™ XC (does not include low-linolenic varieties); Curtail® M (including low-linolenic varieties)
- Canola: Lontrel™ XC; Muster®; PHANTOM® 240 SL or Pursuit® (imazethapyr-tolerant canola only); Glufosinate (LibertyLink® canola varieties)
- Field peas: PHANTOM® 240 SL or Pursuit®; DAVAI® 80 SL
- Soybeans (glyphosate-tolerant): Glyphosate, DAVAI® 80 SL, PHANTOM® 240 SL or Pursuit®



ARROW ALL IN[®]

MIXING INSTRUCTIONS:

1. Fill clean tank ½ full with water and turn agitation on.
2. Add the required amount of tank-mix partner.
3. Add ARROW ALL IN[®] and agitate.
4. OPTIONAL: For use of ARROW ALL IN[®] alone (not in a tank mixture), add the correct amount of adjuvant.
5. Fill remainder of tank with water and continue agitating.
6. Agitate thoroughly after prolonged pauses.

*When mixing with glufosinate, first add ARROW ALL IN[®], followed by glufosinate.

ADJUVANT RATE:

An optional additional adjuvant may be used under circumstances of heavy weed pressure or when environmental conditions (e.g., drought) are not ideal for weed control.

- 30% phosphate ester surfactant @ 0.5% v/v
- Methylated Seed Oil @ 0.5% v/v
- Non-ionic surfactant @ 0.25% v/v

CROP ROTATIONS:

No restrictions.

PRE-HARVEST INTERVALS:

- Alfalfa (seedling): 30 days
- Canola, Chickpeas (desi, kabuli), Dry beans (pinto, black, great northern, red, pink, navy), Flax (including low-linolenic acid varieties), Lentils, Mustard (oriental, brown, yellow) (condiment type only): 60 days
- Potatoes: 60 days
- Field peas, Soybeans: 75 days
- Sunflowers: 72 days

GRAZING RESTRICTIONS:

Do not cut treated crops for feed or graze until 60 days after application.

STORAGE:

Do not freeze.

Quick Tips

ARROW ALL IN[®] has a built-in adjuvant, no additional is required! Apply ARROW ALL IN[®] when the annual grasses and volunteer cereals are in the 2–6 leaf stage. Most effective control is achieved when application is made prior to tillering when annual grasses are small and actively growing. ARROW ALL IN[®] will be less effective when plants are stressed by lack of moisture, excessive moisture, low temperature and/or very low relative humidity. Regrowth by tillering may occur if application is made under any of the above stress conditions.



ADAMA

Always read and follow label directions.
Toll-free: 1.855.264.6262
Website: ADAMA.COM

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