



ADAMA

# ARROW ALL IN<sup>®</sup>

Simplify spraying and stay one step ahead with Canada's next-generation graminicide, featuring a convenient built-in surfactant.



## Herbicide Group:

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 x 6 L jugs

Pallet: 5 x 96 L drums

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

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<sup>®</sup>
- 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<sup>®</sup> formulation is used and trusted by growers around the world
- Superior formulation provides consistently better mixing than the competition



# ARROW ALL IN®

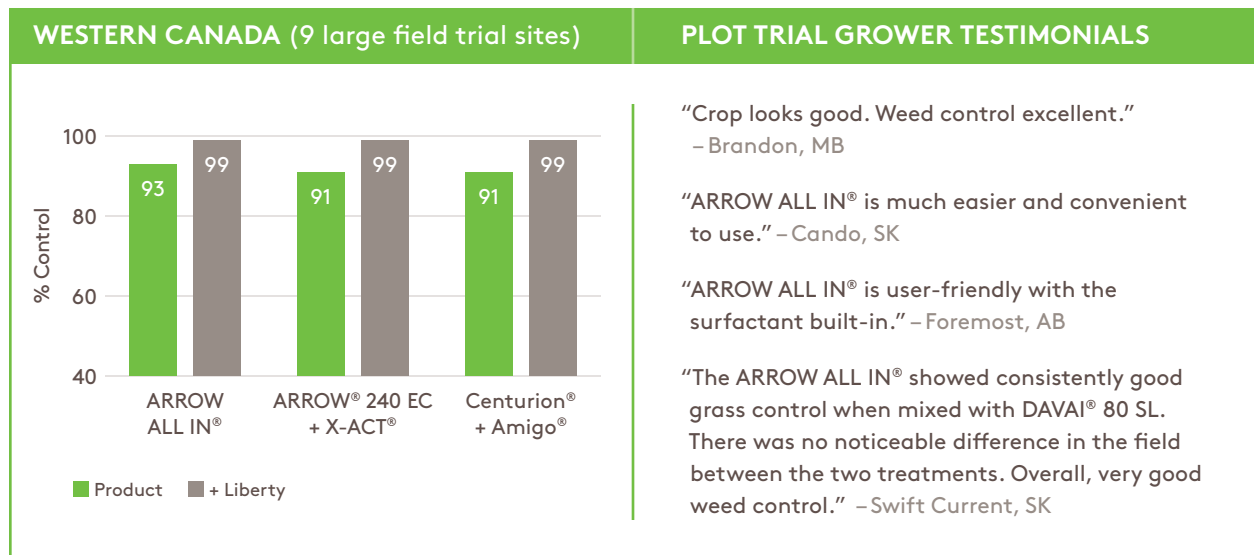
## Field Test Results

### 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

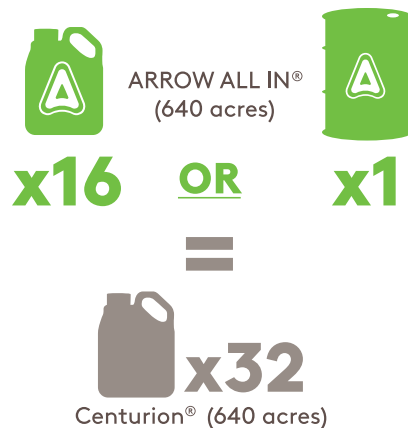
- Conducted large, farmer-applied field trials in nine locations across Manitoba, Saskatchewan and Alberta (Brunkild, MB; Brandon, MB; Carlyle, SK; Norquay, SK; Cando, SK; Swift Current, SK; Foremost, AB; Spirit River, AB; Vegreville, AB)
- Treated a variety of weeds, including wild oats, volunteer cereals, 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 Canola Carnations Chickpeas (Desi & Kabuli) Coriander Cranberries Fenugreek Field peas Flax Highbush blueberries Lentils Mustard Onions Potatoes Soybeans Spinach 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

### WATER VOLUME:

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

### RAINFASTNESS:

1 hour

### SUPPORTED TANK MIXES:

- Flax: BADGE® (including low-linolenic varieties); MCPA ester (does not include low-linolenic varieties); Lontrel™ 360 (does not include low-linolenic varieties); Curtail® M (including low-linolenic varieties)
- Canola: Lontrel™ 360; Muster®; Imazethapyr (PHANTOM® 240 SL or Pursuit®) (imazethapyr-tolerant canola only); Liberty® (glufosinate ammonia-tolerant canola varieties)
- Field peas: Imazethapyr (PHANTOM® 240 SL or Pursuit®); DAVAI® 80 SL (imazamox)
- Soybeans (glyphosate-tolerant): Glyphosate, DAVAI® 80 SL, PHANTOM® 240 SL or Pursuit®



# ARROW ALL IN®

## MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank ½ full with clean water. Start agitation system.
3. Add the required amount of the tank-mix partner. Continue to agitate.
4. Add the correct amount of ARROW ALL IN®. Continue to agitate.
5. Continue to add the remaining amount of water to fill the spray tank. Continue to agitate.
6. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit overnight. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
7. If an oil film starts to build up in the tank, drain it and clean the tank with a strong detergent solution.
8. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

## CROP ROTATIONS:

30-day plant-back interval for all unlabelled crops.

## PRE-HARVEST INTERVALS:

- Alfalfa (seedling), Cranberries, Fenugreek: 30 days
- Canola, Chickpeas (desi, kabuli), Coriander, Dry beans (pinto, black, great northern, red, pink, navy), Flax (including low-linolenic acid varieties), Lentils, Mustard (oriental, brown, yellow) (condiment type only)
- Potatoes: 60 days
- Dry onions: 45 days
- Field peas, Soybeans: 75 days
- Highbush blueberries, Spinach: 14 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.



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

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