



ADAMA

HERBICIDE

# ARROW ALL IN<sup>®</sup>

Grassy weed control for soybeans and a variety of specialty crops with the convenience of a built-in surfactant



GROUP 1

## Active Ingredient:

Clethodim 120 g/L = EC

## Packaging

Case: 2 x 10 L jugs

## Application Rates & Acres Treated

Rate: 100 – 300 ml/ac

Area Treated: 20 – 60 ac/jug

## 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<sup>®</sup>

## REGISTERED CROPS

- Alfalfa, seedling
- Beans, dry (pinto, black, great northern, red, pink, navy)
- Canola
- Carnations
- Chickpeas (desi, kabuli)
- Coriander
- Cranberries
- Fenugreek
- Field peas
- Highbush blueberries
- Lentils
- Onions, dry
- Potatoes
- Soybeans
- Spinach
- Sunflowers



# ARROW ALL IN®

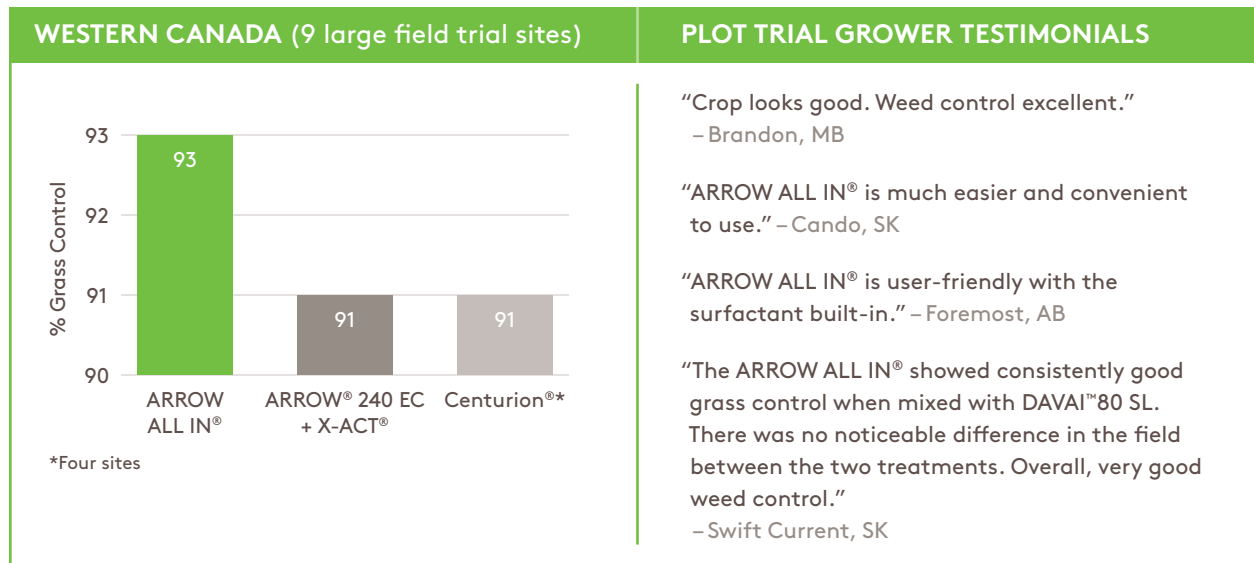
## Field Test Results

### 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, grower-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 downy brome, foxtail barley, green foxtail, volunteer cereals, volunteer durum, volunteer wheat, and wild oats.



### 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		
Alfalfa, seedling Beans Canola Carnations Chickpeas (Desi & Kabuli) Coriander Cranberries Fenugreek Field peas Highbush blueberries Lentils Onions Potatoes Soybeans Spinach Sunflowers	<b>Grassy Weeds</b>	<b>Leaf Stage</b>	<b>Rates</b>
	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, Quackgrass (suppression), Volunteer canary grass, 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.

## REGISTERED AND SUPPORTED TANK MIXES

- Glyphosate-tolerant soybeans: glyphosate
- Canola: Lontrel™ XC or Muster®
- Clearfield® canola only: PHANTOM® 240 SL
- LibertyLink® canola only: glufosinate
- Field peas: PHANTOM® 240 SL



Always read and follow label directions.



# ARROW ALL IN<sup>®</sup>

## 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<sup>®</sup> and agitate.
4. Fill remainder of tank with water and continue agitating.
5. Agitate thoroughly after prolonged pauses.

\*When mixing with glufosinate, first add ARROW ALL IN<sup>®</sup>, followed by glufosinate.

## CROP ROTATIONS

No restrictions

## 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 condiment type only: oriental, brown, yellow), 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<sup>®</sup> has a built-in adjuvant, no additional is required! Apply ARROW ALL IN<sup>®</sup> 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<sup>®</sup> 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.



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