



BRAZEN™ 100 EC

BRAZEN™ 100 EC – THE NEW ALTERNATIVE CHOICE FOR GRASS CONTROL IN SPRING WHEAT AND BARLEY



BRAZEN™ 100 EC powered by the active ingredient pinoxaden, a new choice for grassy weed control in wheat and barley with a wide application window and multiple tank-mix options for one-pass weed control.

Key Benefits:

- Safe to use on both spring wheat and barley up to flag leaf on both crops – saving time in spray season (BRAZEN™ 100 EC is not registered for use on durum wheat)
- Broad-spectrum annual grass control including wild oats, green foxtail, yellow foxtail, Persian darnel, volunteer oats, volunteer canary seed and proso millet
- Works quickly on grassy weeds removing the competition fast
- Wide application window (1–6 leaf, up to the 3rd tiller stage of grassy weeds)
- Multiple tank-mix options for one-pass weed control
- Multiple years of testing showed outstanding results in field tests across Western Canada

BRAZEN™ 100 EC

ACTIVE INGREDIENT: Pinoxaden 100 g/L (contains Cloquintocet-mexyl at 25 g/L as a safener)

CHEMISTRY GROUP: Group 1

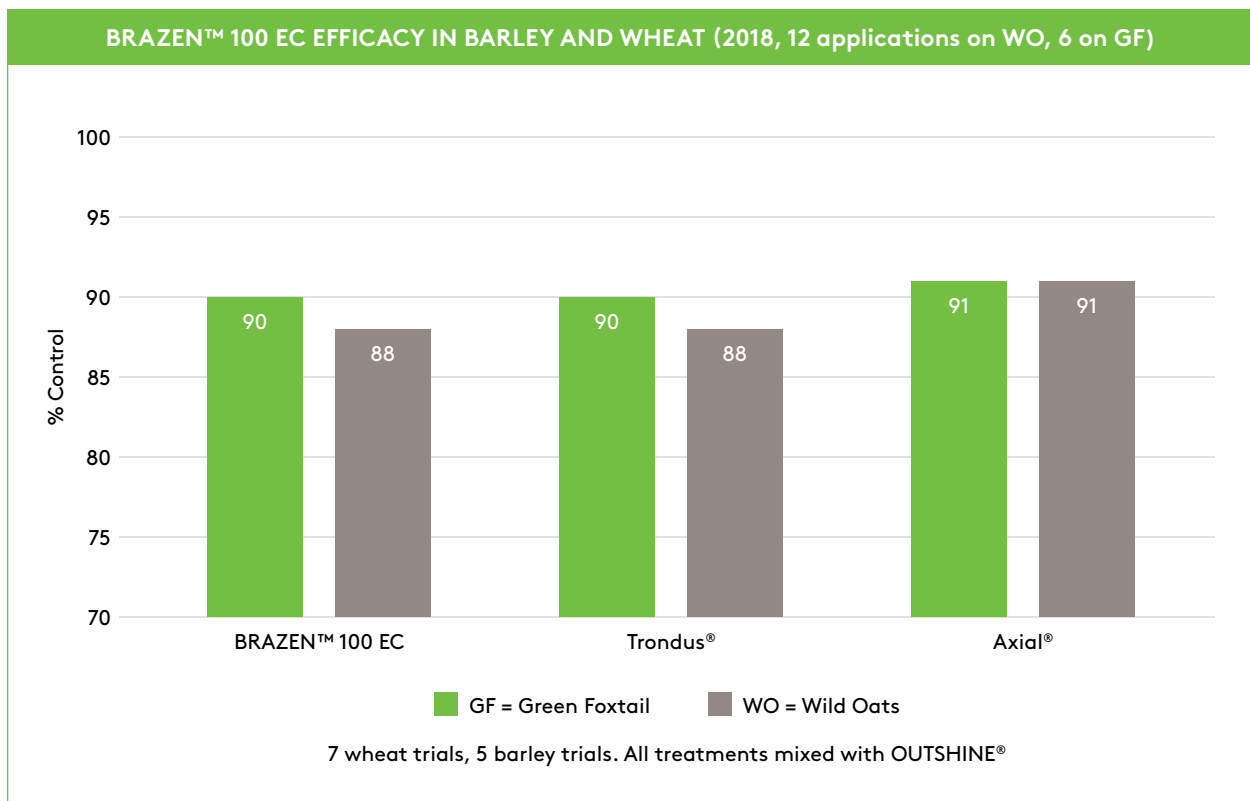


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Field Test Results

Summary

In 7 replicated wheat trials and 5 replicated barley trials in 2018, BRAZEN™ 100 EC results showed it to be similar to the industry standard products Trondus® and Axial®. ADAMA tested BRAZEN™ 100 EC with multiple independent research contractors across Western Canada. BRAZEN™ 100 EC proved equivalent to the market leading grassy weed products. The chart below shows the most recent trials in 2018.





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HOW IT WORKS

BRAZEN™ 100 EC is absorbed by the leaves and is rapidly translocated to the growing points of leaves and stems. Thorough coverage of the plants is essential for consistent control. Actively growing susceptible grasses stop growing within 48 hours of treatment. Depending on species, growing conditions and crop competition, leaves and growing points turn yellow within 1–3 weeks after application. Further colour changes and loss of vigour will be observed, followed by a browning and control 3–5 weeks after application.

REGISTERED CROPS	WEEDS CONTROLLED		
Barley Spring wheat	Green foxtail Yellow foxtail Persian darnel	Proso millet Wild oats	Volunteer canary seed Volunteer oats

APPLICATION RATES AND PACKAGING

CROP	WEEDS CONTROLLED	RATE
Spring wheat, Barley	Persian darnel	BRAZEN™ 100 EC at 400 ml/ha + ADAMA Adjuvant 80 at 0.25% v/v
	Wild oats, Green and yellow foxtail, Volunteer oats, Volunteer canary seed, Proso millet	BRAZEN™ 100 EC at 600 ml/ha + ADAMA Adjuvant 80 at 0.25% v/v

CROP STAGING

CROPS/WEEDS	GROWTH STAGE (ZADOKS or BBCH)
Spring wheat, Barley	1 leaf to flag leaf stage (BBCH 11–45)
Wild oats, Green and yellow foxtail, Volunteer oats, Volunteer canary seed, Proso millet, Persian darnel	1–6 leaf, prior to 4 th tiller (BBCH 11–23)

REGISTERED AND SUPPORTED TANK MIXES¹

- Refine® SG Toss-N-Go® Herbicide²
- Refine® SG Toss-N-Go® Herbicide + MCPA Ester³ 500
- Refine® SG Herbicide
- Refine® SG Herbicide + MCPA Ester³ 500
- BADGE® II
- Buctril® M⁴
- TOPLINE® or Frontline™ Herbicide Tank Mix³
- Frontline™ XL Herbicide
- Curtail® M⁴
- ESTEEM™ or Prestige™ Herbicide Tank Mix⁴
- Trophy®⁴ Herbicide Tank Mix
- MCPA Ester⁴ (assume 500 series)
- MCPA Ester⁴ (assume 600 series)
- MCPA Amine (assume 500 series)
- GF-184
- Infinity® Herbicide⁴
- OUTSHINE® + MCPA LV Ester 600

¹ Always consult the label of the broadleaf herbicide prior to use.

² Addition of surfactants other than ADAMA Adjuvant 80 are not required.

³ Suppression only of green foxtail.

⁴ For control of common ragweed and suppression of round-leaved mallow.

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WATER VOLUME • 50–100 L/ha or 20.25–40.50 L/ac by ground

RAINFASTNESS 1 hour

MIXING INSTRUCTIONS

1. Clean spray tank and ½ fill with clean water. Start agitation or bypass system.
2. If a broadleaf herbicide is to be used, add the product first prior to adding BRAZEN™ 100 EC and agitate for 2-3 minutes.
3. Add correct amount of BRAZEN™ 100 EC.
4. Agitate for 2-3 minutes.
5. Add correct amount of ADAMA Adjuvant 80.
6. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
7. After any break in spraying operations, agitate thoroughly before spraying again.
8. Use the spray suspension as soon as it is prepared.

CROP ROTATIONS For fields treated with BRAZEN™ 100 EC, no crop may be seeded until the following year. There are no crop rotation limitations the year following application of BRAZEN™ 100 EC.

PRE-HARVEST INTERVALS

- Grain, Straw: 60 days
- Hay: 30 days

GRAZING RESTRICTIONS 7 days

STORAGE

- Store in closed original container in a well-ventilated room.
- Keep out of reach of children, unauthorized persons and animals.
- Store separate from food, feed and fertilizer.

QUICK TIPS

Apply to actively growing weeds for best results. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application of BRAZEN™ 100 EC will not be controlled. Although BRAZEN™ 100 EC does not control broadleaf weeds, BRAZEN™ 100 EC can be tank-mixed with a range of broadleaf herbicides to provide broad spectrum weed control in spring wheat and barley.