

AUTHORITY[®] 480

HERBICIDE

GROUP
14

Extended control of tough broadleaf weeds

What is Authority[®] 480 herbicide?

Authority[®] 480 herbicide is a powerful, flexible pre-emergent Group 14 herbicide that provides extended activity on challenging broadleaf weeds in soybeans and many other crops. Authority[®] 480 herbicide can be applied alone or can be tank-mixed with glyphosate and other registered partners. Its convenient liquid formulation ensures ease of use and mixing.

How does Authority[®] 480 herbicide help my farm business?

- **Ideal for IP soybeans.** Authority[®] 480 herbicide controls many of the most troublesome weeds you face. These include lamb's-quarters, pigweeds, Eastern black nightshade and common waterhemp.
- **Works well with herbicide-resistant soybeans.** Authority[®] 480 herbicide can be applied pre-plant or pre-emergence with glyphosate to facilitate timelier post-emergence applications in glyphosate tolerant soybeans. Authority[®] 480 herbicide will alleviate pressure from the first flush of weeds and help make your post-emergent weed control more effective.
- **Tough on weeds, gentle on your crop.** Its track record in both Canada and the U.S. indicates that Authority[®] 480 herbicide combines excellent weed control and crop safety.
- **Effective against resistant weeds.** As a Group 14, Authority[®] 480 herbicide controls a wide range of broadleaf weeds, including those resistant to Groups 9, 5 and 2.
- **Tank-mix flexibility.** In addition to glyphosate, Authority[®] 480 herbicide has multiple options for tank-mixing. It may be tank-mixed with other broadleaf herbicides, such as metribuzin or imazethapyr, to supplement broadleaf control. To control grass weeds, tank-mix with a grass herbicide such as Focus[®], Boundary[®] LQD, Conquest[®] LQ or Frontier[®] Max.

Quick facts:

Formulation:

Authority[®] 480 herbicide
Sulfentrazone (Group 14)

Water volume:

10 gal/ac (100 L/ha)

Package size:

4 x 3.79 L jugs per case

Can be applied alone
or tank-mixed with
glyphosate.

Excellent Pre-Emergent Weed Control



Untreated Check

Authority[®] 480 herbicide 118 mL/ac
(292 mL/Ha) + Boundary[®] LQD
1 L/ac (2.5 L/Ha)

Crop: IP Soybean (var. Skyline Seveta)

Year: 2018

Location: Bright, ON

Researcher: Black Creek Research
(3rd Party)

Planted: May 14th

Application: May 16th

Pictures: July 9th (61 DAA)

% control at 58 days after application:

- lamb's quarters 96%
- green foxtail 96%

What rate should I use and when do I apply?

Authority® 480 herbicide is applied at a rate of 32 acres per jug (118 mL/ac). A low rate of 43 acres per jug (88 mL/ac) is available for control of kochia. Apply pre-plant or post-seed (up to 3 days after seeding).

Rates for tank-mixes with Authority® 480 herbicide are as follows:

Tank-mix Partner Rate:	
Focus® herbicide	91 mL/ac (set-up treatment; early season control only)
	113 mL/ac (extended control; soil - coarse/medium texture, O.M. 1 – 4%)
	136 mL/ac (extended control; soil - medium-fine/fine texture, O.M. 4 - 7%)
Boundary® LQD	0.75-1 L/ac
Conquest® LQ	126-168 mL/ac Imazethapyr + 344-459 mL/ac Metribuzin
Frontier® Max	0.3-0.4 L/ac
Metribuzin	0.3-0.6 kg/ac
Imazethapyr	126-168 mL/ac

How does Authority® 480 herbicide fit into my crop rotation?

Soybeans can be planted any time following an application of Authority® 480 herbicide. For other crops, planting guidelines are as follows.

Crop	Rotation Interval
Broccoli, cabbage, cauliflower, chickpea, faba bean, field pea, flax, horseradish, potato, soybean, sunflower, tame mustard*, tomato (transplants)	Any time
Winter wheat	4 months
Alfalfa, barley, canola, field corn, spring and durum wheat	12 months
Sweet and pop corn, lentils, sorghum	24 months

*low kochia rate only

Crops

- Soybeans
- Chickpeas
- Field peas
- Flax
- Sunflower
- Tame mustard*
- Asparagus
- Faba bean
- Mint
- Strawberry
- Horseradish
- Brassica vegetables (transplants only)
- Tomato (transplants only)
- Tree nuts
- Grapes
- Caneberries
- Bushberries
- Apples

Weeds

- Cleavers¹
- Common purslane
- Common waterhemp
- Eastern black nightshade
- Kochia
- Lamb's-quarters
- Large crabgrass
- Powell pigweed
- Redroot pigweed
- Smooth crabgrass
- Wild buckwheat
- Yellow woodsorrel

¹ Suppression

Questions? Ask your retailer about Authority® 480 herbicide today.

Always read and follow label instructions.
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Conquest®, Frontier® (BASF); Boundary® (Syngenta)

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