

Authority[®] 480 Herbicide – by Nufarm



Advanced weed control for chickpeas.

Registered in Saskatchewan.

For too many years, chickpea growers have had to live with substandard broadleaf weed control. No more!

Authority[®] 480 herbicide sets a new standard of excellence for fighting yield-robbing broadleaf weeds in chickpeas. Including season-long control of kochia (widely considered the greatest challenge among growers).

Authority is a soil applied, pre emergent product that is formulated with unique Spray and Go™ technology. Nothing is more effective or easier to use.

Key Advantages

When used as a spring soil applied herbicide, this formulation has been shown to provide excellent control of the following weeds:

- Kochia • Wild buckwheat • Redroot pigweed • Lamb's-quarters

Herbicide Group

As a Group 14 herbicide, sulfentrazone, the active ingredient in Authority, is a new resistance management tool for broadleaf weed control – including Group 2 resistant kochia.



Breaking with tradition.

Expected Results

Authority is a soil applied, pre emergent product. It can be applied pre plant or post plant up to 3 days after planting. Authority requires a small amount of moisture for activation. It is primarily absorbed through the roots of susceptible plants and causes them to turn necrotic and die shortly after being exposed to light. Authority will not control emerged weeds.

Application Guidelines

Registered Crops

- Chickpeas (Saskatchewan only)

Rates

Research has shown the amount of Authority to be applied will depend on soil texture, soil pH and organic matter.

Rates of Application

Authority needs to be applied at the following rates of application (milliliters of product) according to soil texture, organic matter content and pH. Authority should not be used in chickpeas that are grown in coarse textured soils.

Percent (%) Organic Matter	Application by Soil Type (mL of Authority 480 Herbicide)	
	Medium	Fine
< 1.5	219 - 292 ml/ha 88 - 118 ml/ac	-
1.5 - 3.0	219 - 292 ml/ha 88 - 118 ml/ac	219 - 292 ml/ha 88 - 118 ml/ac
> 3.0	219 - 292 ml/ha 88 - 118 ml/ac	219 - 292 ml/ha 88 - 118 ml/ac

For Best Results

- Apply post plant, no later than 3 days after seeding with limited soil disturbance following application.
- Use 10 gallons of water per acre for optimum coverage.
- Use glyphosate (Credit® 45 or CleanStart®) for burn down of emerged weeds.
- Do not leave Authority in spray tank overnight.
- Requires 1 to 2 cm of moisture within 7 to 10 days of application for optimum performance.

Crop rotation

The following crops can be seeded at the following intervals following an Authority application.

Rotational Crop	Replant Interval (Months)
Alfalfa	12
Barley	12
Canola	24
Corn, field	10
Corn, sweet	24
Lentils	36
Sorghum	24
Soybeans	Anytime
Sunflowers	Anytime
Spring wheat	12
Winter wheat	16

Refer to label for full use directions.



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