

Zidua SC herbicide

technology sheet

Residual control of key annual grasses and broadleaf weeds.

- Group 15 chemistry delivers control of tough weeds, including resistant redroot pigweed and green and yellow foxtail
- Residual activity controls germinating weed seedlings before or soon after crop emergence
- Wide window of application from early pre-seed to early post-emergence and post-harvest

Active ingredient

Pyroxasulfone – Group 15

Formulation

Suspension concentrate

One case contains

2 x 4.05 L jugs

Storage

Store in cool, dry, well-ventilated area away from food or feed.

Application or crop

Chickpeas
Faba Beans
Field corn

Field peas
Herbicide-tolerant soybeans²

Lentils
Sunflowers
Potatoes

Staging

pre-seed, pre-emergence, fall prior to seeding
pre-seed, pre-emergence, fall prior to seeding
pre-seed¹, pre-emergence, early post-emergence up to 4-leaf
pre-seed, pre-emergence, fall prior to seeding
pre-seed¹, pre-emergence, early post-emergence up to 3rd trifoliolate
pre-seed, pre-emergence, fall prior to seeding
pre-seed¹, pre-emergence
pre-emergence

Weeds controlled

Broadleaves

Cleavers
Common chickweed
Eastern black nightshade
Kochia³
Lamb's quarters³
Palmer amaranth⁴
Redroot pigweed^{3,4}
Shepherd's-purse
Waterhemp^{3,4}
Wild buckwheat

Staging

prior to emergence

Grasses

Annual bluegrass⁵
Barnyard grass⁴
Crabgrass (large)⁴
Downey brome
Foxtail (giant⁴, green^{3,4}, yellow^{3,4})
Japanese brome
Ryegrass (Italian)⁴
Wild oats³

prior to emergence



¹ Up to 30 days before seeding. ² BASF is in the process of establishing import tolerances (maximum residue limits (MRLs) for markets around the world. Talk to your grain buyer before applying to conventional or IP soybeans. ³ Early-season residual suppression only. ⁴ Controlled at 101 to 200 ml/ac (250 to 493 ml/ha). ⁵ Provides control when applied as a post-harvest treatment prior to weed emergence.

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We create chemistry

Application rates

One case of Zidua® SC herbicide will treat 40 to 165 acres.

Crop	Rate by soil texture for residual control			Recommended acres/case	
Early-season residual control					
	Coarse	Medium-fine		Fine	
		Organic matter ≤ 3%	3% · Organic matter < 7%		
Field corn (pre-plant, pre-emerge, early post-emerge) or herbicide-tolerant soybeans (pre-plant, pre-emerge)	101 ml/ac (250 ml/ha)	134 ml/ac (332 ml/ha)	169 ml/ac (417 ml/ha)	200 ml/ac (493 ml/ha)	40 to 80
Herbicide-tolerant soybeans (early post-emerge)	73 ml/ac (180 ml/ha)				110
Post-harvest application	49 to 97 ml/ac (120 to 240 ml/ha) ⁶				83 to 165
Early-season residual suppression^{7,8}					
Chickpeas, field peas, potatoes, sunflowers	49 to 97 ml/ac (120 to 240 ml/ha)				83 to 165
Lentils	49 to 73 ml/ac (120 to 180 ml/ha)				110 to 165
Fall application					
Chickpeas, faba beans, field peas, lentils	73 to 97 ml/ac (180 to 240 ml/ha)				83 to 110

⁶ Application rates are for all soil types. Use the higher rate for longer residual and under heavier weed populations. ⁷ When an in-crop application of another registered herbicide is planned. ⁸ Do not apply Zidua SC to soils classified as sand.

Water volume

Ground application only 40 L/ac (10 gal/ac) minimum

Mixing order

Add products separately. Do not mix multiple products at the same time.

1. Use a 50 mesh filter screen and fill clean tank 1/2 to 3/4 full of water.
2. Add water conditioners if needed.
3. Add a **W**etttable powder or water dispersible granular (WG) tank-mix partner if applicable.
4. **A**gitate.⁹
5. Add a **M**icro-encapsulated (ME) tank-mix partner if applicable.
6. Add the required amount of Zidua SC herbicide.
7. Add a **L**iquid, solution or suspension tank-mix partner if applicable.
8. Add an **E**mulsifiable concentrate (EC) tank-mix partner if applicable.
9. Add **G**lyphosate if needed.
10. Add any **S**urfactants or adjuvants if required.
11. Fill the remainder of the tank with water. If the solution is left for an extended period of time, agitate once every 8 hours before spraying again.

Note: A detergent-based cleaning solution should be used before changing over to a different chemistry.

⁹ Do not over-agitate at any point in the process.

Application tips

Restricted entry interval – 12 hours. Minimum seed depth is 2.5 cm for chickpeas, corn, field peas and lentils, and 4 cm for soybeans. A minimum of 2 inches of soil covering the vegetative portion of potato plants following drag-off or hilling is required. Zidua SC must be applied and activated by moisture prior to weed emergence. When adequate moisture is not received after Zidua SC application, weed control may be improved by irrigation (except flood irrigation). Do not use on peat or muck soils with 7% or more organic matter content. Do not apply more than 1 application of Zidua SC per season.

Grazing Do not feed or graze treated hay or forage to livestock.

Tank mixes

Herbicides for chickpeas, faba beans, field peas and lentils: Glyphosate^{10,11}, Heat® LQ¹², Voraxor®

Herbicides for corn: Aatrex® Liquid 480, Armezon®, glyphosate¹⁰, Heat LQ¹², Voraxor

Herbicides for soybeans: Engenia®, glyphosate¹⁰, Heat LQ¹², Voraxor®

Herbicide for sunflowers: Glyphosate¹⁰

Herbicides for potatoes: Glyphosate¹⁰, Sencor® 480 F

Herbicides for post-harvest application: Engenia, glyphosate¹⁰

¹⁰ Glyphosate present as isopropylamine salt, di-ammonium salt or potassium salt. ¹¹ Can be applied in fall to lentils. ¹² Pre-seed or pre-emergence only.

For more information: Call **AgSolutions®** Customer Care at 1-877-371-BASF (2273) or visit **agsolutions.ca**.

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