

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 waterhemp
- Residual activity controls germinating weed seedlings before or soon after crop emergence
- Wide window of application from early pre-plant 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.

Superior residual control of annual bluegrass



Competitor



Zidua® SC herbicide + glyphosate

4 months after application

Source: BASF Research Authorization trials, Ontario, 2016

Crops

Field corn

Herbicide-tolerant soybeans²

Post-harvest

Potatoes

Staging

pre-plant¹, pre-emergence, early post-emergence up to 4-leaf

pre-plant¹, pre-emergence, early post-emergence up to the 3rd trifoliolate after harvest

pre-emergence (after planting or following drag-off or hilling)

Weeds controlled

Broadleaves

Kochia³

Lamb's quarters³

Redroot pigweed

Waterhemp

Staging

prior to emergence

Grasses

Annual bluegrass⁴

Barnyard grass

Crabgrass (large)

Foxtail (giant, green, yellow)

Ryegrass (Italian)

Wild oats³

prior to emergence

¹ Up to 30 days before planting.

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 Suppression only.

⁴ 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			
	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)
Herbicide-tolerant soybeans (early post-emerge)	73 to 97 ml/ac (180 to 240 ml/ha)			
Post-harvest application	97 ml/ac (240 ml/ha)			
Potatoes (pre-emerge) ⁵	49 to 97 ml/ac (120 to 240 ml/ha) ⁶			

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 ½ to ¾ full of water.
2. Add water conditioners if needed.
3. Add a **W**ettable powder or water dispersible granule (WG) tank-mix partner if applicable.
4. **A**gitate.⁷
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.

Application tips

Restricted entry interval – 12 hours.

Minimum seed depth is 2.5 cm for corn 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.

Do not use on peat or muck soils with 7% or more organic matter content.

Grazing

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

Tank mixes

Herbicides for corn: Armezon[®], Aatrex[®] Liquid 480, Engenia[®], Eragon[®] LQ[®], glyphosate, Integrity[®], Marksman[®]

Herbicides for soybeans: Engenia, Eragon LQ[®], glyphosate, Integrity[®]

Herbicides for post-harvest application: Engenia, glyphosate

Herbicides for potatoes: Glyphosate, Sencor[®] 480 F

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

⁵ Do not apply Zidua SC in soils classified as sand. ⁶ Early-season residual suppression. ⁷ Do not over-agitate at any point in the process. ⁸ Pre-plant or pre-emergence only.

Always read and follow label directions.

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