

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. Protect from freezing.

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

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, before potatoes emerge)

Weeds controlled³

In corn and soybeans

Broadleaves

Cleavers^{4,5}
Common chickweed⁴
Eastern black nightshade^{4,5}
Kochia^{4,5}
Lamb's quarters⁴
Palmer amaranth
Redroot pigweed
Shepherd's-purse⁴
Waterhemp
Wild buckwheat⁴

Grasses

Barnyard grass
Crabgrass (large)
Downy brome⁴
Foxtail (giant, green, yellow)
Japanese brome⁴
Ryegrass (Italian)
Wild oats⁴

Weeds suppressed^{3,4}

In potatoes and post-harvest

Broadleaves

Cleavers⁵
Common chickweed
Eastern black nightshade⁵
Kochia⁵
Lamb's quarters
Redroot pigweed
Shepherd's-purse
Waterhemp
Wild buckwheat

Grasses

Annual bluegrass⁶
Barnyard grass
Downy brome
Foxtail (green, yellow)
Japanese brome
Wild oats

¹ Up to 30 days before planting.

² Talk to your grain buyer regarding maximum residue limits for markets around the world before applying Zidua SC to conventional or IP soybeans.

³ See product label for specific rates.

⁴ Early-season residual suppression only.

⁵ Including Group 2-resistant biotypes.

⁶ Control.



We create chemistry

Application rates

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

Crop	Rate by soil texture			
	Coarse	Medium-fine		Fine
		Organic matter ≤ 3%	3% < Organic matter < 7%	
Field corn (pre-plant, pre-emergence, early post-emergence) or soybeans ² (pre-plant, pre-emergence)	101 ml/ac (250 ml/ha)	134 ml/ac (332 ml/ha)	169 ml/ac (417 ml/ha)	200 ml/ac (493 ml/ha)
Soybeans ² (early post-emergence)	73 to 97 ml/ac (180 to 240 ml/ha)			
Post-harvest application	97 ml/ac (240 ml/ha)			
Potatoes (pre-emergence)	49 to 97 ml/ac (120 to 240 ml/ha) ⁷			

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.⁸
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® LQ⁹, glyphosate, Integrity®⁹, Marksman®

Herbicides for soybean: Engenia, Eragon LQ⁹, glyphosate, Integrity⁹

Herbicides for post-harvest application: Engenia, glyphosate

Herbicides for potatoes: Glyphosate, Sencor® 480 F

⁷ Early-season residual suppression.

⁸ Do not over-agitate at any point in the process.

⁹ Pre-plant or pre-emergence only.

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

Always read and follow label directions.

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