

# 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

Soybeans<sup>2</sup>

Post-harvest

Potatoes

#### Staging

pre-plant<sup>1</sup>, pre-emergence, early post-emergence up to 4-leaf

pre-plant<sup>1</sup>, 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 controlled<sup>3</sup>

##### In corn and soybeans

##### Broadleaves

Cleavers<sup>4,5</sup>  
Common chickweed<sup>4</sup>  
Eastern black nightshade<sup>4,5</sup>  
Kochia<sup>4,5</sup>  
Lamb's quarters<sup>4</sup>  
Palmer amaranth  
Redroot pigweed  
Shepherd's-purse<sup>4</sup>  
Waterhemp  
Wild buckwheat<sup>4</sup>

##### Grasses

Barnyard grass  
Crabgrass (large)  
Downy brome<sup>4</sup>  
Foxtail (giant, green, yellow)  
Japanese brome<sup>4</sup>  
Ryegrass (Italian)  
Wild oats<sup>4</sup>

#### Weeds suppressed<sup>3,4</sup>

##### In potatoes and post-harvest

##### Broadleaves

Cleavers<sup>5</sup>  
Common chickweed  
Eastern black nightshade<sup>5</sup>  
Kochia<sup>5</sup>  
Lamb's quarters  
Redroot pigweed  
Shepherd's-purse  
Waterhemp  
Wild buckwheat

##### Grasses

Annual bluegrass<sup>6</sup>  
Barnyard grass  
Downy brome  
Foxtail (green, yellow)  
Japanese brome  
Wild oats

<sup>1</sup> Up to 30 days before planting.

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

<sup>3</sup> See product label for specific rates.

<sup>4</sup> Early-season residual suppression only.

<sup>5</sup> Including Group 2-resistant biotypes.

<sup>6</sup> Control.

 **BASF**

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 <sup>2</sup> (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 <sup>2</sup> (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) <sup>7</sup>			

## 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.<sup>8</sup>
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<sup>®</sup>, Aatrex<sup>®</sup> Liquid 480, Engenia<sup>®</sup>, Eragon<sup>®</sup> LQ<sup>9</sup>, glyphosate, Integrity<sup>®9</sup>, Marksman<sup>®</sup>

**Herbicides for soybean:** Engenia, Eragon LQ<sup>9</sup>, glyphosate, Integrity<sup>9</sup>

**Herbicides for post-harvest application:** Engenia, glyphosate

**Herbicides for potatoes:** Glyphosate, Sencor<sup>®</sup> 480 F

<sup>7</sup> Early-season residual suppression.

<sup>8</sup> Do not over-agitate at any point in the process.

<sup>9</sup> Pre-plant or pre-emergence only.

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

## Always read and follow label directions.

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