

For distribution and use only in the state of Iowa

Group 15 Herbicide

FIFRA Sec. 24 (c) Special Local Needs Label



For control of Palmer Amaranth in established Federal Conservation Reserve Program (CRP) fields

This special local need label expires December 31, 2020 and must not be used or distributed after this date.

Active Ingredient:

pyoxasulfone: 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole 85.0%

Other Ingredients: 15.0%

Total: 100.0%

Contains 0.85 pound of pyoxasulfone per pound formulated as a water-dispersible granule (WG)

**EPA Reg. No. 7969-338
CAUTION/PRECAUCION**

EPA SLN No. IA-170002

Directions For Use

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- The supplemental labeling and the entire **Zidua® herbicide** container label, EPA Reg. No. 7969-338, must be in possession of the user at the time of application.
- Read the label affixed to the container for **Zidua** before applying.
- Use of **Zidua** according to this labeling is subject to the use restrictions and precautions imposed by the label affixed to the container for **Zidua**.

Product Information

Zidua is a selective rate-dependent residual preemergence herbicide for controlling Palmer amaranth (*Amaranthus palmeri*).

Periods of dry weather following applications of **Zidua** may reduce effectiveness. **Zidua** must be activated by at least 1/2 inch of rainfall or irrigation before Palmer amaranth germination and emergence. When **Zidua** is not activated and weeds emerge, other means of weed control may be needed.

Zidua may not provide season-long control of Palmer amaranth in Federal Conservation Reserve Program fields. Fields should be closely monitored and appropriate control strategies implemented to remove surviving Palmer amaranth.

Application Information

Apply **Zidua** to CRP fields in Iowa where Palmer amaranth was introduced during establishment of native grasses and forbs. Only apply if there is a known Palmer amaranth problem.

Application Rate

Apply **Zidua** alone, in a tank mix, or sequentially in CRP fields at the rates provided in **Table 1**.

Table 1. Use Rate by Soil Texture

Application Timing	Soil Texture ¹ (ozs/A)		
	Coarse	Medium	Fine
Preemergence	1.5 – 2.75	2.0 – 3.0	2.5 – 4.0
Early Postemergence	1.0 – 2.75	1.5 – 3.0	2.0 – 4.0

¹ Refer to container label for soil-texture groups.

Application Method and Timing

Zidua[®] herbicide may be applied in a single application or in sequential applications.

Preemergence Surface Application

Apply **Zidua** as a broadcast spray to the soil surface in spring before CRP native plants break winter dormancy.

Early Postemergence Application

Apply **Zidua** as a broadcast spray to established CRP species that have emerged from winter dormancy and actively growing but before they reach 6 inches in growth. **Zidua** provides residual control of Palmer amaranth germinating after application (early to mid-May). Weeds that are already emerged at the time of application must be controlled with another method. Treated fields may require mowing to control weeds that escape. Follow recommended practices for mowing during the establishment of native plants.

Sequential Applications

Examples of sequential applications are preemergence application followed by postemergence application, or consecutive postemergence applications. The maximum combined rate of **Zidua** that may be applied in a sequential program is 5.0 ozs/A per year on all soils. Separate sequential applications by at least 14 days.

Use Restrictions

- **DO NOT** apply more than 4.0 ozs/A of **Zidua** in a single application.
- **DO NOT** apply more than a maximum cumulative amount of 5.0 ozs/A of **Zidua** (0.266 lb ai/A of pyroxasulfone) per year.
- **DO NOT** apply during the seeding year.
- **DO NOT** graze livestock on CRP fields within 12 months after treatment with **Zidua**.
- **DO NOT** cut and/or harvest CRP fields for livestock feed within 12 months after treatment with **Zidua**.

Plant Tolerance

Zidua applications to emerged native grasses or forbs may result in temporary leaf burn and stunting.

Not all native plant species have been tested for tolerance to **Zidua** alone, tank mix combinations of **Zidua** with other pesticides and/or adjuvants, or pesticide treatments preceding or following those of **Zidua**. Local conditions can also influence plant tolerance.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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