

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2019-1826
Application: Changes to Product Labels-New Host
Product: Zidua SC
Registration Number: 32542
Active ingredient (a.i.): Pyroxasulfone
PMRA Document Number: 3067000

Purpose of Application

The purpose of this application was to expand the label of Zidua SC to add uses on chickpeas and sunflowers.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The use of Zidua SC on chickpeas and sunflowers is not expected to result in potential occupational or bystander exposure over the registered use of pyroxasulfone. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for pyroxasulfone in/on chickpeas and sunflowers were submitted to support the use expansion on the Zidua SC label. Previously reviewed residue data from field trials conducted in/on dried shelled peas and beans and sunflowers were reassessed in the framework of this petition. No health risks of concern have been identified for any segment of the population including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

The environmental risks associated with the use of Zidua SC on sunflower and chickpea are acceptable when the product is used according to the label directions.

Value Assessment

Use of Zidua SC on chickpea and sunflower gives growers an option for early season weed management as a set up treatment, which can be followed by an in-crop application of another registered herbicide. It also adds a Group 15 product as a tank mix option to their current herbicide program prior to crop emergence.

The inclusion of chickpea and sunflower as rescue crops and rotational crops provides farmers with greater flexibility in managing crop failures and crop rotations.

Value information submitted for review consisted of precedent registrations and scientific rationales. This information demonstrated that chickpea and sunflower, as host crops, rescue crops, and rotational crops, would be expected to have adequate margins of crop tolerance to Zidua SC Herbicide applied in accordance with the label instructions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to expand the label of Zidua SC to add uses on chickpeas and sunflowers.

References

PMRA Document Number	Reference
2987069	2019, Zidua SC Herbicide - Application to include sunflower and chickpeas on the Zidua SC label, DACO: 10.1, 10.2, 10.2.2, 10.2.3, 10.3, 10.3.3, 10.4, and 10.5

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