

Evaluation Report for Category B, Subcategory 3.5, 3.7, 3.10, 3.11, 3.12 Application

Application Number: 2020-4156
Application: New or Changes to Product Labels - Rotational Crops/Plantback Interval; Pre-Grazing Interval; Tank Mixes; New Pests; New Site or Host
Product: Fierce EZ Master Herbicide
Registration Number: 33870
Active ingredients (a.i.): Flumioxazin, Pyroxasulfone
PMRA Document Number: 3202155

Purpose of Application

The purpose of this application is to amend the registered product label of Fierce EZ Master Herbicide to include the use on winter wheat, to expand efficacy claims and rotational crop restrictions, to update grazing restrictions, and to include additional tank-mix partners.

Control of waterhemp biotypes resistant to Groups 2, 5 and 9 was accepted under the URMULE program (Application Number 2017-2114).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

The use of Fierce EZ Master Herbicide on winter wheat to control various broadleaf weeds is not expected to result in potential occupational or bystander exposure over the registered use of flumioxazin and 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 flumioxazin or pyroxasulfone were submitted to support the addition of winter wheat and the amendments to the grazing and rotational restrictions on the Fierce EZ Master Herbicide label. Previously reviewed residue chemistry data for flumioxazin and pyroxasulfone were reassessed in the framework of this application. Residues of flumioxazin and pyroxasulfone in/on winter wheat or from the amendments to the plant-back and grazing restrictions will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use pattern for Fierce EZ Master Herbicide is within the registered use patterns of flumioxazin and pyroxasulfone, and therefore, no additional risk is expected from the use of Fierce EZ Master Herbicide. The label includes the required environmental precautions and directions for use statements, as well as spray buffer zones information, which adequately mitigate risks to the environment. Risk from use of Fierce EZ Master Herbicide is acceptable from an environmental perspective when used according to label directions.

Value Assessment

The amendments to the Fierce EZ Master Herbicide label to include additional weed claims, host and rotational crop claims, and tank mix options provide farmers more flexibility to deploy this herbicide.

Value information submitted for review consisted of a precedent registration, a scientific rationale, and a thesis for a Master of Science degree. This information demonstrated that the amendments to the Fierce EZ Master Herbicide label have acceptable value and can be supported.

Waterhemp is a serious weed problem and biotypes resistant to herbicides in Groups 2, 5 and 9 are common. Fierce EZ Master Herbicide, containing Group 14 and 15 active ingredients, provides value to growers looking for options to control waterhemp biotypes resistant to Groups 2, 5 and 9..

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the amendments to the product label of Fierce EZ Master Herbicide. Additionally, there is sufficient information to add a claim of waterhemp biotypes resistant to Groups 2, 5 and 9 to labelled crops and sites.

References

PMRA Document Number	Reference
3152524	2020, Value summary for Fierce EZ Master Herbicide: Updated rotational restrictions table, addition of winter wheat, and additional weed claims, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.3(B), 10.3.1, 10.3.2(A), 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, and 10.5.4
3152525	2020, Evaluation of new herbicide options for control of foxtail barley (<i>Hordeum jubatum</i>) in spring wheat, DACO: 10.1, 10.2.1, 10.2.2, and 10.2.3.3(B)
2758700	2017, control of group 2, 5 and 9 herbicide resistant waterhemp (<i>A. tuberculatus</i>) with pyroxasulfone/flumioxazin (Fierce Herbicide) applied pre-emergence in soybeans, DACO: 10.2.3.3(B)

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