

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2011-1739
Application: Changes to product label – New site or host
Product: Proline 480 SC Foliar Fungicide
Registration Number: 28359
Active ingredients (a.i.): Prothioconazole
PMRA Document Number English PDF: 2064434

Background

Proline 480 SC Foliar Fungicide (Registration number 28359) contains 480 g prothioconazole/L and is fully registered for use on a variety of crops: barley, borage, canola, chickpeas, crambe, corn (field, sweet and popcorn), flax (linseed), lentils, lowbush blueberry, oats, oriental mustard, rapeseed, soybean, sugar beet and wheat.

Purpose of Application

The purpose of this application was to register the use of Proline 480 SC Foliar Fungicide to control or suppress various plant diseases on corn for seed production.

The use on corn for seed production (rate, timing, number and method of application, target diseases) is the same as that already registered for use on sweet corn, field corn and popcorn: one application at 420 mL product/ha (200 g a.i./ha) per season using ground application equipment

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

No new residue data were submitted to support the request of adding seed corn (field, sweet and popcorn) to the label of Proline 480 SC Foliar Fungicide. Since there is no change proposed to the application rates or use pattern with respect to the registered use of prothioconazole on corn, the proposed use of prothioconazole on seed corn is not expected to increase the magnitude of prothioconazole residues in/on corn. Therefore, as a result of the new use of Proline 480 SC Foliar Fungicide on seed corn, the dietary exposure is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The potential exposure for mixer/loader/applicators and post-application re-entry workers is not expected to exceed the exposure of the currently registered products when the label directions and precautions are followed.

Environmental Assessment

No additional environmental data were required for the use of Proline 480 SC Foliar Fungicide on corn for seed production. The environmental exposure resulting from the use of this product on corn for seed production is expected to be the same as for registered uses on field corn, sweet corn and popcorn.

Value Assessment

The applicant submitted a rationale extrapolating currently registered uses for sweet, field and popcorn to seed corn. The use pattern in seed corn (i.e. target diseases and rate, timing, number and method of application) is the same as that currently registered in sweet corn, field corn and popcorn (single application of 420 ml/ha or 200 g a.i./ha). Ear rot / ear mould in seed corn caused by *Fusarium* and *Gibberella* has also been identified as a Minor Use need by growers in 2011. Proline 480 SC Foliar Fungicide provides seed corn growers with an effective option for the management of this disease. Based on the rationale and the value of the registration, the addition of seed corn to the Proline 480 SC Foliar Fungicide label was supported.

Conclusion

The PMRA has completed an assessment of available information for Proline 480 SC Foliar Fungicide and has found the information sufficient to amend the label to include corn for seed production.

References

- 2044570 2011, Proline 480SC Foliar Fungicide, Reg. No. 28359; Proposed Use in Corn for seed Production - DACO 0.17.1, General Data Bridging Rationale, DACO: 0.17.1

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