

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2017-1997
Application: New or Changes to Product Label – New Pests
Product: Proline 480 SC Foliar Fungicide
Registration Number: 28359
Active ingredients (a.i.): prothioconazole [PRB]
PMRA Document Number: 2776855

Background

Proline 480 SC Fungicide (Reg. No. 28359) contains 480 g/L prothioconazole formulated as a suspension concentrate. This product is currently registered for control of several fungal diseases on field and horticultural crops. Prothioconazole, the active ingredient in Proline 480 SC belongs to a major class of sterol biosynthesis inhibitors (SBI) called demethylation inhibitors (DMI).

Purpose of Application

The purpose of this submission is to add the following three claims to the Proline 480 SC current label: (i) control of Sclerotinia stem rot (*Sclerotinia sclerotiorum*) on lentils at rate of 315-420 mL/ha, (ii) control of sunflower rust (*Puccinia helianthi*) on sunflower at 420 mL/ha and (iii) control of safflower rust (*Puccinia carthami*) on safflower at 420 mL/ha. Proline is currently registered for use on all these crops. The proposed use is based on existing Proline 480 SC use patterns in various crops including lentil, safflower and sunflower.

Chemistry, Health and Environmental Assessment

A chemistry assessment is not required since there is no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, application rates and timings, of the product remained unchanged.

Value Assessment

The applicant has submitted efficacy trials and scientific rationale to support the proposed uses. The results from the submitted trials showed control of white mold on lentil and sunflower rust on sunflower. The use of Proline 480 SC to control rust on safflower is supported based on the current use pattern for rust diseases on several crops.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Proline 480 SC Foliar Fungicide, and has found the information sufficient to add new claims for control of white mold on lentils, sunflower rust on sunflower and safflower rust on safflower.

References

- 2752693 2016, Value Assessment of Proline 480 SC Foliar Fungicide, Label expansion to include sclerotinia control in lentil, DACO: 10.1,10.2.2,10.2.3.3(D),10.3,10.4,10.5
- 2752694 2016, Value Assessment of Proline 480 SC Foliar Fungicide, Label expansion to include sclerotinia control in lentil, DACO: 10.1,10.2.2,10.2.3.3(D),10.3,10.4,10.5
- 2752695 2016, Value Assessment of Proline 480 SC Foliar Fungicide, Label expansion to include sclerotinia control in lentil, DACO: 10.2.3.3(D)
- 2752696 2016, Value Assessment of Proline 480 SC Foliar Fungicide, Label expansion to include sclerotinia control in lentil, DACO: 10.2.3.1
- 2755331 2016, Value Assessment of Proline 480 SC Fungicide, Label expansion to include control of rust in sunflower and safflower, DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3(D),10.5
- 2755333 2016, Value Assessment of Proline 480 SC Fungicide, Label expansion to include control of rust in sunflower and safflower, DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3(D),10.5
- 2755335 2016, Value Assessment of Proline 480 SC Fungicide, Label expansion to include control of rust in sunflower and safflower, DACO: 10.2.3.1
- 2755337 2016, Value Assessment of Proline 480 SC Fungicide, Label expansion to include control of rust in sunflower and safflower, DACO: 10.2.3.3(D)

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