



Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2014-1269
Application: Category B, subcategory 3.11 Streamline
Product: Dupont Acapela Fungicide
Registration Number: 30470
Active ingredients (a.i.): Picoxystrobin (PXY)
PMRA Document Number : 2425702

Background

Dupont Acapela Fungicide has been registered since June 1st, 2012 and is registered for the control or suppression of several diseases on canola, dry legumes, cereals, corn and soybean. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to product label.

Purpose of Application

The purpose of this application was to amend the registration of Dupont Acapela Fungicide to include the claim of control of anthracnose (*Colletotrichum truncatum*) on lentils. The product is intended for a maximum of two applications at a rate of 0.6 to 0.88 L per hectare with a 7-14 day interval between applications to control anthracnose (*Colletotrichum truncatum*).

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was 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 component product remained unchanged.

Value Assessment

A total of four experimental trials were submitted and reviewed in support of this claim. Disease severity increased to a very high level (50 % disease severity) in the untreated control in two of the trials. This level of anthracnose could possibly have a detrimental effect on yield and grain quality. Dupont Acapela Fungicide significantly decreased disease severity and was also comparable to the other fungicides tested, which are currently registered to control anthracnose on lentils. The average level of severity control for Dupont Acapela across the two rates, number of applications, and four trials was 52% and varied from 10 to 90 %. The commercial standards tested performed at the same level (18 to 90 % control).

Increases in yield varied from 109 to 441 kg/ha with two Dupont Acapala applications and was not statistically different from the other fungicide treatments or the untreated control. Aside from reducing disease progression, Dupont Acapela included in an IPM program may also decrease

inoculum present in the debris that could infect future lentil crops.

Based on the significant decrease in disease progression, comparable efficacy against anthracnose and consistently higher yield in treated plots, a claim of control of anthracnose (*Colletotrichum truncatum*) on lentils is supported at the proposed rates and application timings.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Dupont Acapela Fungicide to include the claim of control of anthracnose (*Colletotrichum truncatum*) on lentils to the product label.

References

2413250 2014, DACO 10-DuPont-40816 Acapela Anthracnose Lentil FINAL, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.3,10.2.3.3(D),10.2.4,10.3,10.3.2,10.3.2(A),10.3.2(B),10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4,10.5.5,10.6,10.7.1,10.7.2

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