



Evaluation Report for Category C, Subcategory 3.11 (new pest) Application

Application Number: 2006-7344
Application: Evaluation Report for Category C, Subcategory 3.11 (new pest)
Product: Apron Maxx RTA Seed Treatment Fungicide
Registration Number: 27577
Active ingredient (a.i.): fludioxonil, metalaxyl-m and s-isomer
PMRA Document Number: 1387184

Background

Apron Maxx RTA Seed Treatment Fungicide is registered (Reg. No. **27577**) for control of certain seed-borne and soil-borne diseases of soybeans, dry beans, chickpeas, lentils and dry peas (including field peas). For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application is to add the claim of control of early season root rot and stem rot caused by *Phytophthora megasperma* var. *sojae* on soybeans to the Apron Maxx RTA Seed Treatment Fungicide label.

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 crops, application rates and timings, of the component products remained unchanged.

Value Assessment

Data submitted under application 2001-3258 showed that when Apron Maxx RTA was applied on tolerant varieties of soybeans at the proposed rate (325 mL/100 kg seed), soybean emergence was significantly increased. Results also showed no incompatibility and no adverse effects on soybeans when Apron Maxx RTA seed Treatment Fungicide and the proposed tank-mix partner, Apron XL LS Fungicide, were applied. Therefore, the proposed label claims are supported with minor changes: Apron Maxx RTA provides early season protection against *Phytophthora* root rot for tolerant varieties of soybeans. If target fields have a history of high *Phytophthora*

pressure, or susceptible varieties are to be treated, then tank-mix 325 mL of Apron Maxx RTA with 31 mL of Apron XL LS Fungicide per 100 kg of seed. The claim that Apron Maxx RTA Seed Treatment Fungicide will control early season stem rot caused by *Phytophthora megasperma* var. *sojae* was not supported because this claim is not approved for Apron XL LS and no data were provided.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Apron Maxx RTA Seed Treatment Fungicide to include the following claim: Apron Maxx RTA provides early season protection against *Phytophthora* root rot for tolerant varieties of soybeans. If target fields have a history of high *Phytophthora* pressure, or susceptible varieties are to be treated, then tank-mix 325 mL of Apron Maxx RTA with 31 mL of Apron XL LS Fungicide per 100 kg of seed.

References

List of studies/information submitted by the applicant

PMRA# 1324888 Value Summary, DACO: 10.1

PMRA# 1324889 Pest Problem, DACO: 10.2.2

PMRA# 1324890 Efficacy Summary, DACO: 10.2.3.1

PMRA# 1324891 Anderson 1999, DACO: 10.2.3.3

PMRA# 1324892 Anderson 2000, DACO: 10.2.3.3

PMRA# 1324893 Adverse Effects - Summary, DACO: 10.3.1

PMRA# 1324894 Non-Safety Adverse Effects, DACO: 10.3.2

Additional Information Considered

PMRA# 1386062. Review from 2001-3258.

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