

## Evaluation Report for Category C, Subcategory C.3.10 Application

**Application Number:** 2008-0821  
**Application:** Tank-mix  
**Product:** Dynasty 100FS  
**Registration Number:** 28394  
**Active ingredients (a.i.):** Azoxystrobin (AZY)  
**PMRA Document Number :** 1843997

### Background

Dynasty 100FS Fungicide was first registered June 26, 2006. This product is a broad-spectrum seed treatment fungicide registered for control of seed- and soil-borne diseases on corn, dry beans, canola, soybeans and sunflowers. 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 amend the product label of Dynasty 100FS Fungicide to add two new tank-mix partners, Apron Maxx RFC Seed Treatment Fungicide and Cruiser Maxx Seed Treatment Insecticide, for disease and insect control on dry beans.

### Chemistry, Health and Environment 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

Dynasty 100FS and Apron Maxx RTA Seed Treatment Fungicide (PCP No. 27577) are currently registered as tank-mix partners for disease control of diseases on soybeans. It is proposed to add the new registered product, Apron Maxx RFC Seed Treatment (PCP No. 28817), as an alternative to the RTA formulation for disease control on dry beans. Apron Maxx RFC Seed Treatment has the same use pattern as Apron Maxx RTA and deliver the same amount of active ingredients, metalaxyl-M and fludioxonil (3.75 and 2.5 gai per 100 kg seed, respectively), when applied as directed on dry beans. Moreover, efficacy data to support the proposed tank-mix options for Dynasty 100FS were provided to PMRA to expand the registered use of this product to soybeans (see submission 2007-4358). Three trials were submitted to demonstrate the efficacy of the tank-mix of Dynasty and Cruiser Maxx for the control of *Rhizoctonia* in soybeans. No insect control data were submitted, however, no reduction in insecticide efficacy of the tank-mix is expected, as the proposed tank-mix with the insecticide is already registered on corn. Physical compatibility of the proposed tank-mix and lack of phytotoxicity on soybeans were demonstrated. The data on soybeans can be extrapolated to dry beans based on similarities in seed morphology and similar crop/pest interactions. Therefore, the proposed tank-mix between Dynasty 100FS with Apron Maxx RFC Seed Treatment Fungicide and Cruiser Maxx Seed Treatment Insecticide is supported as proposed.

## Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Dynasty 100FS Fungicide to add two new tank-mix partners, Apron Maxx RFC Seed Treatment Fungicide and Cruiser Maxx Seed Treatment Insecticide, for disease and insect control on dry beans.

## References

PMRA# 1558527      2008, N/A, COVER LETTER, DACO: 0.8,10.2.3.1

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