



## Evaluation Report for Category B, Subcategory 3.4 Application

**Application Number:** 2013-3306  
**Application:** Changes to product label - application method  
**Product:** Cruiser 5FS Seed Treatment  
**Registration Number:** 27045  
**Active ingredients (a.i.):** Thiamethoxam (THE)  
**PMRA Document Number:** 2342149

### Purpose of Application

The purpose of this application was to change the use of Cruiser 5FS Seed Treatment (Registration number 27045; guarantee 47.6% thiamethoxam) on small-grain cereal and pulse crops (dried, shelled peas and beans Crop Group 6C) to allow commercial and on-farm seed treatment.

The use change does not include the on-farm treatment of oat, soybean and corn.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

Toxicology and food residue assessments were not required for this application.

The worker exposure and risk from the use of Cruiser 5FS Seed Treatment by commercial treaters (including mobile treaters) and by growers on-farm to small-grained cereals (except oats) and pulse crops was assessed. The previous risk assessment for the registered use in commercial seed treatment facilities was used to assess the use by commercial mobile treaters. A quantitative risk assessment was conducted for the use of Cruiser 5FS Seed Treatment on-farm. No risks of concern were identified for treatment and planting of treated seed. No risks of concern are expected when workers follow the label directions and wear the personal protective equipment identified on the label.

### Environmental Assessment

An environmental risk assessment was not required as the proposed on-farm seed treatment of small-grain cereal and pulse crops at the approved rates are not expected to increase environmental exposure or risk of thiamethoxam.

## **Value Assessment**

The label amendments to add on-farm seed treatments for small-grain cereals and pulse crops on the Cruiser 5FS Seed Treatment label was supported from a value perspective. Application rates did not change for these crops except for on-farm treatment of dry peas against pea leaf weevil, which was 50 mL/100 kg seed. Trials demonstrated that this rate was effective against pea leaf weevil.

## **Conclusion**

The PMRA has completed an assessment of available information for Cruiser 5FS Seed Treatment and has found the information sufficient to support a commercial and on-farm seed treatment of Cruiser 5FS Seed Treatment on small-grain cereal and pulse crops (dried, shelled peas and beans Crop Group 6C).

## References

PMRA Document number	Reference
1039816	2005, Dust-Off Measurements of Soybean and Dry Edible Bean Seed Treated with Cruiser 5FS and Cruiser 350FS, DACO: 5.4
1108518	1999, On Farm Exposure Operator Study with Dividend 36 FS Seed Treatment on Wheat, DACO: 5.4
1169539	1994, Seed Treatment Products: Worker Exposure During Treatment Of Seed With "Baytan", DACO: 5.10, 5.11
1437990	2000, Dermal Absorption of [Oxadiazinyl-4-14C] CGA-293343 Formulated as Helix 289 FS (A11642A) and Adage 5FS (A9765C) in the Rat, DACO: 5.8
1826320	2009, Determination Of Operator Exposure During Typical Activities Associated With On-Farm Treatment Of Small Grain Cereal Seed Using Austral Plus Net (40 Gil Tefluthrin And 10 Gil Fludioxonil, As A Suspension Concentrate) At Farm Locations In France, 2007, DACO: 5.4
2200095	2012, Laboratory Dust-Off Measurements of Wheat and Barley Seed Treated with Cruiser 5FS Seed Treatment Insecticide, DACO: 5.14
2317623	2013, Occupational Risk Assessment for Treatment of Pulse Crops and Small-Grained Cereals with Cruiser 5FS Seed Treatment On-Farm or by Mobile Commercial Treaters, DACO: 5.2, 5.3, 5.6

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