



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2015-6648
Application: Changes to Product Labels - New Site or Host
Product: Amigo Adjuvant
Registration Number: 22644
Active ingredient (a.i.): Polyoxyalkylated Alkyl Phosphate Ester
PMRA Document Number: 2709167

Purpose of Application

The purpose of this submission was to expand the use pattern of the surfactant product Amigo Adjuvant to include application to the crops *Brassica carinata*, pigeon peas and additional dry beans. This adjuvant is to be applied in a tank-mix with Centurion Emulsifiable Concentrate Post-Emergence Herbicide (Reg. No. 27598) or Select Emulsifiable Concentrate Postemergence Herbicide (Reg. No. 22625).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The addition of *Brassica carinata*, pigeon peas and additional varieties of dry common beans to the label of Amigo Adjuvant is not expected to result in potential occupational or bystander exposure over the registered uses of the adjuvant polyoxyalkylated alkyl phosphate ester. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No food residue chemistry data were submitted to support the addition of the crops *Brassica carinata*, pigeon peas and additional dry beans to the Amigo Adjuvant label. Centurion Emulsifiable Concentrate Post-Emergence Herbicide and Select Emulsifiable Concentrate Post-Emergence Herbicide, containing clethodim, are currently registered to be used only with the Amigo Adjuvant. Given that Amigo Adjuvant is already registered for use on canola and mustard seed (oil seeds type crops), its use on *Brassica carinata* in combination with Centurion Emulsifiable Concentrate Post-Emergence Herbicide or Select Emulsifiable Concentrate Postemergence Herbicide is not expected to change the magnitude of the residues for clethodim. Also, given that Amigo Adjuvant is already registered for use on chickpeas, field peas, lentils and dry common beans (*Phaseolus* spp), its use on pigeon peas and dry shelled beans in combination with Centurion Emulsifiable Concentrate Post-Emergence Herbicide or Select Emulsifiable Concentrate Postemergence Herbicide is not expected to change the magnitude of residues for clethodim. Therefore, the dietary exposure to clethodim in food and drinking

water is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The label amendment for Amigo Adjuvant to add *Brassica carinata*, additional dry beans and pigeon pea is not expected to increase the environmental exposure relative to existing registered hosts. No risk of concern is expected from this amendment provided all label instructions are followed.

Value Assessment

The information provided, including a scientific rationale based upon mode of action, similarity to presently registered uses in Canada, and uses registered abroad as described in production guides and weed control publications, supports the expansion of the dry bean use to include all members of Crop Subgroup 6C and *Brassica carinata*.

[Note: Crop Subgroup 6C presently includes Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin and white sweet lupin); Bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); Bean (*Vigna* spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); Broad bean (fava bean) (*Vicia faba*); Chickpea (garbanzo bean) (*Cicer arietinum*); Guar (*Cyamopsis tetragonoloba*); Lablab bean (hyacinth bean) (*Lablab purpureus*); Lentil (*Lens esculenta*); Pea (*Pisum* spp.) (includes field pea); Pigeon pea (*Cajanus cajan*).]

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information submitted, and has found the information sufficient to support the addition of the crops *Brassica carinata*, pigeon peas and additional dry beans to the Amigo Adjuvant label.

References

PMRA Document Number	Reference
2585177	2015, Use Description/Scenario (Application and Post Application) for Select Emulsifiable Concentrate Postemergence Herbicide, Reg. No. 22625 - Addition of <i>Brassica carinata</i> , additional dry beans and pigeon pea, DACO 5.0
2589290	2015, Value Assessment of Centurion Herbicide (clethodim) for post-emergence grass weed control in <i>Brassica carinata</i> and listed dry bean and pea crops. DACO: 10.2, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.2.4, 10.3, 10.3.2, 10.5.1, 10.5.2

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