

## Evaluation Report for Category B, Subcategories 2.1, 2.3, 2.4, 2.5 Application

**Application Number:** 2018-2479  
**Application:** New EP Product Chemistry-Guarantee  
New EP Product Chemistry -Identity of Formulants  
New EP Product Chemistry -Proportion of Formulants  
New EP Product Chemistry -Formulation Type  
**Product:** Acelepryn G Insecticide  
**Registration Number:** 33498  
**Active ingredient (a.i.):** Chlorantraniliprole  
**PMRA Document Number :** 3016903

### Purpose of Application

The purpose of this submission was to register a new end use product containing chlorantraniliprole, Acelepryn G Insecticide.

### Chemistry Assessment

Acelepryn G Insecticide is formulated as a granules containing chlorantraniliprole at a concentration of 0.20%. This end-use product has a density of 0.803-0.824 g/mL and pH of 7.3. The required chemistry data for Acelepryn G Insecticide have been provided, reviewed and found to be acceptable.

### Health Assessments

Acelepryn G Insecticide was of low acute toxicity by the oral and dermal routes of exposure in rats. Due to the inability to generate aerosol particles within the respirable range with Acelepryn G Insecticide, it is not considered to pose an acute inhalation hazard. It was minimally irritating to the eyes and non-irritating to the skin of rabbits, and was not a skin sensitizer in guinea pigs when tested using the Buehler method.

The use of Acelepryn G Insecticide on turfgrass, non-food crops growing in greenhouses, and outdoor ornamentals is not expected to result in potential occupational, residential, or bystander exposure over the previously registered use of chlorantraniliprole. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

A dietary risk assessment was not required for this application.

### Environmental Assessment

The use pattern of Acelepryn G Insecticide is within the previously registered

use pattern of the active ingredient, chlorantraniliprole. A new risk assessment was conducted for birds and mammals to characterize the risk from ingested granules. In addition, a new risk assessment was conducted for bees that may be exposed to chlorantraniliprole residues (from systemic movement through the plant) from foraging on bee attractive crops/plants. Both risk assessments concluded that no additional risk is expected from the registration of Acelepryn G Insecticide. The label contains all the applicable and required environmental hazards and precautions statements.

### Value Assessment

Based on four bridging trials, rationales, and use history from the United States, Acelepryn G Insecticide was accepted for use against annual bluegrass weevil, bluegrass billbug, black cutworm, chinch bug, fall armyworm, sod webworm, larvae of black turfgrass ataenius, European chafer, European crane fly, Japanese beetle and June beetle on turf, and Japanese beetle larvae on greenhouse and outdoor ornamentals.

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to register Acelepryn G Insecticide.

### References

PMRA Document Number	Reference
2892903	2018, A20375A - Document J, DACO: 2.2, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.3.2, 3.4.2, 4.8 CBI.
2892904	2018, A20375A - Document MIII, Section 1, DACO: 1.1.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.3.3, 10.6, 2.2, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.3.2, 3.5.1, 3.5.10, 3.5.11, 3.5.12, 3.5.13, 3.5.14, 3.5.15, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.7, 5.2, 8.4.1, 8.6 CBI
2892905	2018, A20375A - Document H, DACO: 3.2.1, 3.3.1, 3.3.2 CBI
2892909	2018, A20375A - Document MIII, Section 2, DACO: 3.4.1 CBI
2890910	2018, SF-659/1 - Determination of SYN545170 in A20375A by HPLC, DACO: 3.4.1 CBI
2890911	2016, A20375A - Validation of Analytical Method SF-659/1, DACO: 3.4.1 CBI.
2892912	2018, A20375A - Physico-Chemical Studies of the Formulation, DACO: 3.5.1, 3.5.10, 3.5.11, 3.5.12, 3.5.14, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8, 3.7 CBI.
2892914	2015, Chlorantraniliprole GR (A20375A) - Acute Oral Toxicity Study in the Rat, DACO: 4.6.1
2892915	2015, Chlorantraniliprole GR (A20375A) - Acute Dermal Toxicity Study in Rats, DACO: 4.6.2

2892916	2018, Chlorantraniliprole GR (A20375A) - Acute Inhalation Toxicity Study (Nose-Only) in the Rat, DACO: 4.6.3
2892917	2015, Chlorantraniliprole GR (A20375A) - Acute Eye Irritation Study in Rabbits, DACO: 4.6.4
2892918	2015, Chlorantraniliprole GR (A20375A) - In Vitro Eye Irritation Test in Isolated Chicken Eyes, DACO: 4.6.4
2892919	2015, Chlorantraniliprole GR (A20375A) - Primary Skin Irritation Study in Rabbits, DACO: 4.6.5
2892920	2017, Chlorantraniliprole GR (A20375A) - Skin Sensitization Study in Guinea Pigs by Buehler Method (9 Induction), DACO: 4.6.6
2928225	Acelepryn G Insecticide (NYR), Sub No. 2018-2479 - Response to Request for Toxicology Information
2928226	Summary of Technical Trials Performed for the Generation of Respirable Aerosol.
2928227	Particle Size Analysis
2892897	2018, Efficacy summary to register the new product, ACELEPRYN G Insecticide, for use on turf and ornamentals in Canada, DACO: 10.1,10.3.1,10.3.2
2892898	2018, ACELEPRYN G Turf Data Summary, DACO: 10.2.3.1
2892899	2017, TUR17-01: Evaluate efficacy of A16130J on white grubs in turf in Spain (GEP), DACO: 10.2.3.3
2892900	2017, TUR17-02: Evaluate efficacy of A16130J on white grubs in turf in Italy (GEP), DACO: 10.2.3.3
2892901	2017, TUR17-03: Evaluate efficacy of A16130J on white grubs in turf in Italy (GEP), DACO: 10.2.3.3
2892902	2008, TUR08-01: Evaluation of preventative applications of Acelepryn (chlorantraniliprole), DPX-E2Y45 (chlorantraniliprole) and DPX-HGW86 (cyantraniliprole) formulations against <i>Popillia japonica</i> in turf, DACO: 10.2.3.3

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