

Section 12 Notice Additional Information Required to Fulfill the Conditions for Conditional Registration

Product Name: Titan Insecticide
Registration Number: 27449
Application Number: 2013-5522
PMRA #: 2648781

During the conditional registration period which has been granted to December 31, 2017, the following information is to be generated and must be provided to the Pest Management Regulatory Agency by **September 1, 2017** and should indicate the DACO numbers specified. A partial response to the outlined Conditions of Registration will not be accepted.

PART 9 ENVIRONMENTAL TOXICOLOGY

DACO: 9.2.4.1
Title: Acute contact toxicity
Details: Available studies including those using end-use product formulations, dust from treated seed, or other species. Test material: active ingredient and major relevant transformation products, and/or end-use product.

DACO: 9.2.4.2
Title: Acute oral toxicity
Details: Available studies including those using end-use product formulations, dust from treated seed, or other species. Test material: active ingredient and major relevant transformation products, and/or end-use product.

DACO: 9.2.4.3
Title: Honeybee larvae toxicity
Details: Toxicity of clothianidin and its relevant transformation products to honeybee larvae; including those studies requested by the US EPA and CalDPR. Test material: active ingredient and major relevant transformation products, and/or end-use product.

DACO: 9.2.4.3
Title: Chronic adult honey study
Details: Chronic toxicity of clothianidin and relevant transformation products to adult honeybee; including those studies requested by the US EPA and CalDPR. Test material: active ingredient and major relevant transformation products, and/or end-use product.

- DACO:** 9.2.4.3
Title: Semi-field / field study for pollinators
Details: Semi-field and/or Field hive studies from various use patterns (e.g. soil application, foliar application (pre-bloom, during bloom, succeeding crops, etc.), seed treatment; including those studies requested by US EPA and CalDPR. Test material: end-use product.
- DACO:** 9.9
Title: Residue study for pollinators
Details: Residues of clothianidin and its major transformation products in pollen and/or nectar resulting from various use patterns (e.g. soil application, foliar application, seed treatment, including succeeding crops, etc.); including those studies requested by the US EPA and CalDPR. Test material: end-use product.
- DACO:** 9.9
Title: Information on dust generated from treated seed (including residues and/or effects)
Details: Information/studies to address the potential exposure/effects of dust generated from treated seeds. Test material: end-use product/active ingredient.
- DACO:** 9.9
Title: Other pollinator studies/data/reports
Details: Monitoring data (of exposure and/or effects). Test material: end-use product.
- DACO:** 9.9
Title: Information on other exposure routes (including residues and/or effects)
Details: Information/studies to address the potential exposure/effects of guttation water on bees. Test material: end-use product/active ingredient.

The data identified in this Section 12 Notice has been previously requested in relation to the ongoing re-evaluation of clothianidin, via a Section 19 Notice. This information is considered necessary for the review of the application to amend the registration from conditional to full registration.