Health Canada Santé Canada

Paragraph 19(1)a Announcement of Data Call-In

Active Ingredient: Dicamba

Reference Number: 2019-6324

Date Sent: September 29, 2020

Health Canada's Pest Management Regulatory Agency (PMRA) has sent a notice to registrants as per paragraph 19(1)(a) of the *Pest Control Products Act* (PCPA). The following is a summary of the notice.

Information Required for the Special Review

Item I

DACO	Study Title
Environmental Chemistry and Fate	
8.2.2	(2017) Dicamba - Method for the Determination of Dicamba from Air Sampling Tube and Filter Paper by LC MS/MS: Analytical Method.
8.2.2	(2017) Independent Laboratory Validation of Analytical Method for the Determination of Dicamba from Air Sampling Tube and Filter Paper by LC-MS/MS: Final Report.
8.2.4.5	(1997) Evaporation Behaviour of the Test Substance [14C]-Dicamba from Soil and Plants (Model Chamber) Test product
8.2.4.5	(2020) Volatility of Dicamba – Containing Formulation Applied to Bare Soil under Laboratory Conditions: Effects of Temperature
8.2.4.5	(2020) Laboratory Study to Determine the Effect of Water pH in Tank Mixtures on Volatility Potential of Dicamba
8.2.4.5	(2015) Determination of the Relative Volatility of Dicamba Herbicide Formulations
8.2.4.5	(2017) Dicamba Relative Volatility Data
8.2.4.6	(2019) Dicamba + S-Metolachlor: Assessment of Tank Mix Products on the Spray Drift Potential of Tank-Mixtures
8.2.4.6	(2019) Assessment of Nozzles and Spray Pressures on the Spray Drift Potential
8.2.4.6	(2019) Dicamba Assessment of Nozzles and Spray Pressures on the Spray Drift Potential
8.2.4.6	(2019) Dicamba + S-Metolachlor: Assessment of Tank Mix Products on the Spray Drift Potential of Tank-mixtures
8.3.4	(2020) Potential Effects of Dicamba Tank-Mixed with Glyphosate on Non-Tolerant Dicamba/Glyphosate Tolerant Soybeans when Applied at Low Application Rates in the Field
8.3.4	(2020) Off-target Movement Study of Dicamba Tank-Mixed with Glyphosate Herbicide

8.3.4	(2017) Dicamba-S-Metolachlor 2-Herbicide Formulation - Volatility of Dicamba When Applied Post-Emerge to a Soybean Crop in the Midwestern United States: Final Report.
8.3.4	(2017) Dicamba/S-Metolachlor Volatility of Dicamba Formulation Applied to Bare Soil under Laboratory Conditions: Final Report.
8.3.4	(2020) Quantifying Dicamba Volatility under Field Conditions: Part II, Comparative Analysis of 23 Dicamba Volatility Field Trials
8.5	(2018) Submission of Environmental Fate Data in Support of the Registration of end use products
8.5	(2019) Submission of Environmental Fate Data in Support of the Registration of end use products
8.5	(2013) Off field deposition of Dicamba containing formulations using various nozzles.
8.5	(2015) Wind tunnel particle size analysis of various nozzles and tank mix partners
8.5	(2016) Atomization droplet size spectra with adjuvants
8.5	Additional wind tunnel studies (53 studies)
8.5	(2016) Sampling for possible gaseous field loss after application of a commercial herbicide
8.5	(2016) Deposition modeling for Dicamba
8.5	(2017) Prediction and comparison of predicted off field deposition of Dicamba tank mix formulations for ground applications using various air-induction nozzles
8.5	(2016) Sampling for possible gaseous field loss after application of a commercial herbicide
8.5	(2016) Sampling for possible gaseous field loss after application of an experimental herbicide formulation (various locations)
8.5	(2020) Off-target Movement Assessment of a Spray Solution
8.5	(2020) Volatilization Assessment for Dicamba via Quantitative Humidome Set-Up
8.5	(2021) Evaluation of Drift Potential of Auxin Herbicide and Potential Tank Mix Partners
3.4, 8.5, 9	(2017, 2018, 2019) Submission of Product Chemistry, Pesticide Use, Toxicity, Fate, and Environmental Fate Data in Support of the Application for Registration
Ecotoxicity	
9.6.5, 9.6.6	(2020) Summary of Investigations of the Potential for Off-Site Movement through the Air Following Ground Applications
9.8.4	(2009) A toxicity test to determine the effects of the test substance on seedling emergence of ten species of plants
9.8.4	(2009) A toxicity test to determine the effects of the test substance on vegetative vigor of ten species of plants
9.8.4	(2011) A toxicity test to determine the effects on (Tier II) seedling emergence of ten species of plants
9.8.4	(2018) A toxicity test to determine the effects (Tier II) on vegetative vigor of lettuce
9.8.6	(2016) Deposition Modeling for Dicamba
9.8.6	(2016) Downwind Air Concentration Estimates for Dicamba
9.8.6	(2016) Determination of Plant Response as a Function of Dicamba Vapor Concentration in a Closed Dome System
9.8.6	(2016) A Toxicity Test to Determine the Effects on Vegetative Vigor of Tomatoes and Soybeans
9.8.6	(2016) Plant Response Evaluation of Soybean with Potential Mixing Partners
9.8.6	(2016) A Toxicity Test to Determine the Effects on Vegetative Vigor of Eight Species of Plants
9.8.6	(2016) Determination of a No Effect Crop Response as a Function of Dicamba

	Vapor Concentration in a Closed Dome System
9.8.6	(2017) Deposition and Air Concentration Modeling for Dicamba Formulation Mixed with Another Formulation
9.8.6	(2018) Off-Target Movement of a Spray Solution Containing Dicamba Mixed with Another Formulation
9.8.6	(2018) Deposition and Air Concentration Modeling for a Spray Solution Containing Dicamba Formulation Mixed with Another Formulation
9.8.6	(2018) MON 119144: A Toxicity Test to Determine the Effects on Vegetative Vigor of Ten Species of Plants
9.8.6	(2020) Effects to trees from foliar application of dicamba formulation – Final Report
9.8.7	(2015, 2016, 2019) Off-target Deposition of Spray Solutions Containing Dicamba
9.8.7	(2016) Field Volatility of Dicamba Formulation Following a Pre-Emerge Application Under Field Conditions
9.8.7	(2017) Field Volatility of Spray Solutions Containing Tank-mixed Diglycolamine Dicamba and Potassium Glyphosate for Pre- and Post-emergent Treatments in Field Trial
9.8.7	(2018, 2019, 2020) Off-target Movement of a Spray Solution
9.8.7	(2018, 2019) Field Volatility of Spray Solutions Containing Dicamba for Post-Emergent Uses
9.8.7	(2020) Potential Effects of Dicamba and Glyphosate on soybean plants when applied at low application rates in the field
9.8.7	(2020) Off-target Movement Study of Dicamba Tank-Mixed with Glyphosate Herbicide
9.8.7	(2020) Potential Effects of Dicamba Tank-Mixed with Glyphosate on Non-Tolerant Dicamba/Glyphosate Tolerant Soybeans when Applied at Low Application Rates in the Field

Item II

DACO	Study Title
8.5	(2020) Humidome study
8.5	(2021) Off-target Movement Assessment of a Spray Solution (4 studies)
9.8.4	(2020) Vegetative vigor- soybean

Form and Time Frame for Submission of Required Information

- Item I is required within 30 calendar days.
- Confirmation of the registrants' commitment to address data requirements listed in Item II, is required within 30 calendar days.
- All required information must be submitted in correct format organized by data code (DACO).
- Each of the above items must be included in an electronic index. Any confidential business information (CBI, as defined in subsection 2(1) of the PCPA) should be designated and segregated according to PMRA guidance.

Registrants to whom Notice Was Sent

BASF Canada Inc.
Monsanto Canada ULC
Syngenta Canada Inc.
Production Agriscience Canada Company