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DATA MATRIX

Date: December 15, 2014		EPA Reg No./File: **62719-625**	Page 1 of 25
Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	47832501	62719	OWN	
830.1600	Description of Materials Used to Produce the Product	47832501	62719	OWN	
830.1620	Description of Production Process	47832501	62719	OWN	
830.1750	Certified Limits	47832501	62719	OWN	
830.1800	Enforcement Analytical Method	47832501	62719	OWN	
830.6302	Color	47832502	62719	OWN	
830.6303	Physical State	47832502	62719	OWN	
830.6304	Odor	47832502	62719	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	47832504	62719	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	47832502	62719	OWN	
830.6315	Flammability	47832503	62719	OWN	
830.6316	Explodability	47832502	62719	OWN	
830.6317	Storage Stability	49442703	62719	OWN	
830.6320	Corrosion Characteristics	49442703	62719	OWN	
830.7000	pH	47832502	62719	OWN	
830.7300	Density/Relative Density/Bulk Density	47832502	62719	OWN	
850.3020	Beneficial Insects and Invertibrates Test	47832511	62719	OWN	
850.3030	Beneficial Insects and Invertibrates Test	47832526	62719	OWN	
860.1000	Background	49146304	62719	OWN	
860.1000	Background	49146305	62719	OWN	
860.1000	Background	49146306	62719	OWN	
860.1000	Background	49496701	62719	OWN	Submitted Today
860.1500	Crop Field Trials	49146304	62719	OWN	

James Thomas Regulatory Manager Date: 15 Dec 14

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EPA Reg No./File: **62719-625**

Applicant's/Registrant's Name & Address: **Dow AgroSciences LLC**
9330 Zionsville Road
Indianapolis, IN 46268

Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials	49146305	62719	OWN	
860.1500	Crop Field Trials	49146306	62719	OWN	
860.1500	Crop Field Trials	49496701	62719	OWN	Submitted Today
860.1520	Processed Food/Feed	49146305	62719	OWN	
860.1520	Processed Food/Feed	49496701	62719	OWN	Submitted Today
870.1100	Acute Toxicity Testing - Background	47832505	62719	OWN	
870.1200	Acute Dermal Toxicity	47832506	62719	OWN	
870.1300	Acute Inhalation Toxicity	47832507	62719	OWN	
870.2400	Acute Eye Irritation	47832509	62719	OWN	
870.2500	Acute Dermal Irritation	47832508	62719	OWN	
870.2600	Skin Sensitization	47832510	62719	OWN	
N/A	Additional Information Regarding Dow AgroSciences' GF-2372 (Transform) - Eye Irritation Study and Resulting Hazard Classification	49054701			
N/A	Storage Stability and Package Corrosion Characteristics of GF-2372; 8-Week Accelerated Study	47832512	62719	OWN	
N/A	GF-2372 MIII Section I Identity	47832520	62719	OWN	
N/A	GF-2372 MIII Section 2 Analytical Methods	47832521	62719	OWN	
N/A	GF-2372 MIII Section 3 Toxicology (Document M Summary)	47832522	62719	OWN	

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Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	GF-2372 MIII Section 4 Residue (Document M Summary)	47832523	62719	OWN	
N/A	GF-2372 MIII Section 5 Fate (Document M Summary)	47832524	62719	OWN	
N/A	GF-2372-MIII Section 6 Ecotox (Document M Summary)	47832525	62719	OWN	
Sulfoxaflor Technical					
830.1550	Product Identity and Composition	47832286	62719	OWN	
830.1550	Product Identity and Composition	47832088	62719	OWN	
830.1600	Description of Materials Used to Produce the Product	47832286	62719	OWN	
830.1620	Description of Production Process	47832286	62719	OWN	
830.1670	Discussion of Formulation of Impurities	47832286	62719	OWN	
830.1700	Preliminary Analysis	47832286	62719	OWN	
830.1750	Certified Limits	47832286	62719	OWN	
830.1800	Enforcement Analytical Method	47832286	62719	OWN	
830.1800	Enforcement Analytical Method	47832257	62719	OWN	
830.1800	Enforcement Analytical Method	47832258	62719	OWN	
830.6302	Color	47832002	62719	OWN	
830.6302	Color	47832005	62719	OWN	

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Date: December 15, 2014	EPA Reg No./File: **62719-625**	Page 4 of 25
Applicant's/Registrant's Name & Address: **Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6303	Physical State	47832002	62719	OWN	
830.6303	Physical State	47832005	62719	OWN	
830.6304	Odor	47832002	62719	OWN	
830.6304	Odor	47832005	62719	OWN	
830.6313	Stability	47832017	62719	OWN	
830.6313	Stability	47832019	62719	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	47832005	62719	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	47832016	62719	OWN	
830.6315	Flammability	47832016	62719	OWN	
830.6316	Explodability	47832005	62719	OWN	
830.6316	Explodability	47832017	62719	OWN	
830.7000	pH	47832005	62719	OWN	
830.7050	UV/Visible Absorption	47832008	62719	OWN	
830.7050	UV/Visible Absorption	47832009	62719	OWN	
830.7200	Melting Point/Melting Range	47832002	62719	OWN	
830.7220	Boiling Point/Boiling Range	47832002	62719	OWN	
830.7300	Density/Relative Density/Bulk Density	47832005	62719	OWN	
830.7300	Density/Relative Density/Bulk Density	47832004	62719	OWN	
830.7300	Density/Relative Density/Bulk Density	47832003	62719	OWN	

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Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7370	Dissociation Constants in Water	47832091	62719	OWN	
830.7370	Dissociation Constants in Water	47832092	62719	OWN	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	47832011	62719	OWN	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	47832010	62719	OWN	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	47832089	62719	OWN	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	47832090	62719	OWN	
830.7860	Water Solubility: Generator Column Method	47832010	62719	OWN	
830.7860	Water Solubility: Generator Column Method	47832089	62719	OWN	
830.7860	Water Solubility: Generator Column Method	47832090	62719	OWN	
830.7950	Vapor Pressure	47832006	62719	OWN	
860.1000	Background	49146301	62719	OWN	
860.1500	Crop Field Trials	49146301	62719	OWN	
870.1100	Acute Oral Toxicity	47832144	62719	OWN	
870.1100	Acute Oral Toxicity	47832040	62719	OWN	
870.1100	Acute Oral Toxicity	47832131	62719	OWN	
870.1100	Acute Oral Toxicity	47832086	62719	OWN	
870.1100	Acute Oral Toxicity	47832067	62719	OWN	
870.1100	Acute Oral Toxicity	47832145	62719	OWN	
870.1100	Acute Oral Toxicity	47832069	62719	OWN	

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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1200	Acute Dermal Toxicity	47832051	62719	OWN	
870.1300	Acute Inhalation Toxicity	47832052	62719	OWN	
870.2400	Acute Eye Irritation	47832046	62719	OWN	
870.2400	Acute Eye Irritation	47832055	62719	OWN	
870.2500	Acute Dermal Irritation	47832053	62719	OWN	
870.2600	Skin Sensitization	47832041	62719	OWN	
870.2600	Skin Sensitization	47832130	62719	OWN	
Sulfoxaflor Generic					
835.1230	Adsorption/Desorption (Batch Equilibrium)	47832018	62719	OWN	
835.2120	Hydrolysis	47832149	62719	OWN	
835.2240	Photodegradation in Water	47832283	62719	OWN	
835.2240	Photodegradation in Water	47832284	62719	OWN	
835.2370	Photodegradation in Air	47832015	62719	OWN	
835.2410	Photodegradation in Soil	47832021	62719	OWN	
835.3300	Soil Biodegradation	47832280	62719	OWN	
835.3300	Soil Biodegradation	47832281	62719	OWN	
835.4100	Aerobic Degradation - EU soils	47832013	62719	OWN	
835.4200	Anaerobic Degradation	47832279	62719	OWN	
835.4300	Aerobic Biodegradation in Aquatic Systems - US and EU	47832278	62719	OWN	
835.4300	Aerobic Biodegradation in Aquatic Systems - US and EU	47832014	62719	OWN	
835.4400	Anaerobic Biodegradation in Aquatic Systems - US	47832277	62719	OWN	
835.6100	Dissipation Studies - Field - Terrestrial	47832282	62719	OWN	
850.1010	Aquatic Invertebrate Acute Toxicity, Test, Freshwater Daphnids	47832114	62719	OWN	

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Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1010	Aquatic Invertebrate Acute Toxicity, Test, Freshwater Daphnids	47832106	62719	OWN	
850.1025	Oyster Acute Toxicity Test (Shell Deposition)	47832115	62719	OWN	
850.1035	Mysid Acute Toxicity Test	47832117	62719	OWN	
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	47832111	62719	OWN	
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	47832112	62719	OWN	
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	47832113	62719	OWN	
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	47832105	62719	OWN	
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	47832110	62719	OWN	
850.1300	Daphnid Chronic Toxicity Test	47832127	62719	OWN	
850.1350	Mysid Chronic Toxicity Test	47832128	62719	OWN	
850.1400	Daphnid Chronic Toxicity Test	47832126	62719	OWN	
850.1400	Daphnid Chronic Toxicity Test	47832129	62719	OWN	
850.1735	Whole Sediment Acute Toxicity Invertebrates, Freshwater	47832109	62719	OWN	
850.2100	Avian Acute Oral Toxicity Test	47832101	62719	OWN	
850.2100	Avian Acute Oral Toxicity Test	47832072	62719	OWN	
850.2100	Avian Acute Oral Toxicity Test	47832073	62719	OWN	
850.2200	Avian Dietary Toxicity Test	47832074	62719	OWN	
850.2200	Avian Dietary Toxicity Test	47832104	62719	OWN	
850.2300	Avian Reproduction Test	47832119	62719	OWN	
850.2300	Avian Reproduction Test	47832120	62719	OWN	
850.3020	Honey Bee Acute Contact Toxicity	47832102	62719	OWN	
850.4400	Aquatic Plant Toxicity Test Using *Lemna spp.* Tiers I and II	47832125	62719	OWN	
850.5400	Algal Toxicity, Tiers I and II	47832121	62719	OWN	

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Applicant's/Registrant's Name & Address: **Dow AgroSciences LLC**
9330 Zionsville Road
Indianapolis, IN 46268

Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.5400	Algal Toxicity, Tiers I and II	47832122	62719	OWN	
850.5400	Algal Toxicity, Tiers I and II	47832124	62719	OWN	
850.5400	Algal Toxicity, Tiers I and II	47832123	62719	OWN	
850.7100	Data Reporting for Environmental Chemistry Methods	47832269	62719	OWN	
850.7100	Data Reporting for Environmental Chemistry Methods	47832256	62719	OWN	
850.7100	Data Reporting for Environmental Chemistry Methods	47832270	62719	OWN	
850.7100	Data Reporting for Environmental Chemistry Methods	47832268	62719	OWN	
850.7100	Data Reporting for Environmental Chemistry Methods	47832267	62719	OWN	
850.7100	Data Reporting for Environmental Chemistry Methods	47832266	62719	OWN	
860.1000	Background	47832161	62719	OWN	
860.1000	Background	47832234	62719	OWN	
860.1000	Background	47832239	62719	OWN	
860.1000	Background	47832243	62719	OWN	
860.1000	Background	47832249	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832225	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832075	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832226	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832032	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832227	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832079	62719	OWN	

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Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the Residue - Plants, Livestock	47832080	62719	OWN	
860.1300	Nature of the Residue - Plants, Livestock	47832084	62719	OWN	
860.1340	Residue Analytical Method	47832031	62719	OWN	
860.1340	Residue Analytical Method	47832272	62719	OWN	
860.1340	Residue Analytical Method	47832030	62719	OWN	
860.1340	Residue Analytical Method	47832273	62719	OWN	
860.1340	Residue Analytical Method	47832259	62719	OWN	
860.1340	Residue Analytical Method	47832271	62719	OWN	
860.1340	Residue Analytical Method	47832260	62719	OWN	
860.1340	Residue Analytical Method	47832261	62719	OWN	
860.1340	Residue Analytical Method	47832262	62719	OWN	
860.1340	Residue Analytical Method	47832148	62719	OWN	
860.1340	Residue Analytical Method	47832264	62719	OWN	
860.1340	Residue Analytical Method	47832265	62719	OWN	
860.1360	Multiresidue Method	47832263	62719	OWN	
860.1380	Storage Stability Data	48641605	62719	OWN	
860.1380	Storage Stability Data	48641604	62719	OWN	
860.1380	Storage Stability Data	48641601	62719	OWN	
860.1380	Storage Stability Data	47832224	62719	OWN	
860.1380	Storage Stability Data	47832274	62719	OWN	
860.1380	Storage Stability Data	47832275	62719	OWN	
860.1380	Storage Stability Data	48288937	62719	OWN	
860.1380	Storage Stability Data	48288938	62719	OWN	
860.1380	Storage Stability Data	48288943	62719	OWN	
860.1480	Meat/Milk/Poultry/Eggs	47832295	62719	OWN	
860.1480	Meat/Milk/Poultry/Eggs	47832296	62719	OWN	

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9330 Zionsville Road
Indianapolis, IN 46268

Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials	48288902	62719	OWN	
860.1500	Crop Field Trials	48288903	62719	OWN	
860.1550	Crop Field Trials	48288904	62719	OWN	
860.1500	Crop Field Trials	48288905	62719	OWN	
860.1500	Crop Field Trials	47832093	62719	OWN	
860.1500	Crop Field Trials	47832191	62719	OWN	
860.1500	Crop Field Trials	47832155	62719	OWN	
860.1500	Crop Field Trials	47832182	62719	OWN	
860.1500	Crop Field Trials	47832196	62719	OWN	
860.1500	Crop Field Trials	47832228	62719	OWN	
860.1500	Crop Field Trials	47832229	62719	OWN	
860.1500	Crop Field Trials	47832231	62719	OWN	
860.1500	Crop Field Trials	47832232	62719	OWN	
860.1500	Crop Field Trials	47832233	62719	OWN	
860.1500	Crop Field Trials	47832219	62719	OWN	
860.1500	Crop Field Trials	47832175	62719	OWN	
860.1500	Crop Field Trials	47832162	62719	OWN	
860.1500	Crop Field Trials	47832189	62719	OWN	
860.1500	Crop Field Trials	47832234	62719	OWN	
860.1500	Crop Field Trials	47832177	62719	OWN	
860.1500	Crop Field Trials	47832235	62719	OWN	
860.1500	Crop Field Trials	47832168	62719	OWN	
860.1500	Crop Field Trials	47832236	62719	OWN	
860.1500	Crop Field Trials	47832199	62719	OWN	
860.1500	Crop Field Trials	47832220	62719	OWN	
860.1500	Crop Field Trials	47832164	62719	OWN	

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Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials	47832176	62719	OWN	
860.1500	Crop Field Trials	47832237	62719	OWN	
860.1500	Crop Field Trials	47832239	62719	OWN	
860.1500	Crop Field Trials	47832195	62719	OWN	
860.1500	Crop Field Trials	47832185	62719	OWN	
860.1500	Crop Field Trials	47832203	62719	OWN	
860.1500	Crop Field Trials	47832082	62719	OWN	
860.1500	Crop Field Trials	47832187	62719	OWN	
860.1500	Crop Field Trials	47832244	62719	OWN	
860.1500	Crop Field Trials	47832201	62719	OWN	
860.1500	Crop Field Trials	47832160	62719	OWN	
860.1500	Crop Field Trials	47832181	62719	OWN	
860.1500	Crop Field Trials	47832152	62719	OWN	
860.1500	Crop Field Trials	47832290	62719	OWN	
860.1500	Crop Field Trials	47832186	62719	OWN	
860.1500	Crop Field Trials	47832197	62719	OWN	
860.1500	Crop Field Trials	47832167	62719	OWN	
860.1500	Crop Field Trials	47832251	62719	OWN	
860.1500	Crop Field Trials	47832246	62719	OWN	
860.1500	Crop Field Trials	47832174	62719	OWN	
860.1500	Crop Field Trials	47832188	62719	OWN	
860.1500	Crop Field Trials	47832157	62719	OWN	
860.1500	Crop Field Trials	47832173	62719	OWN	
860.1500	Crop Field Trials	47832222	62719	OWN	
860.1500	Crop Field Trials	47832240	62719	OWN	
860.1500	Crop Field Trials	47832292	62719	OWN	

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Date: December 15, 2014

EPA Reg No./File: **62719-625**

Applicant's/Registrant's Name & Address: **Dow AgroSciences LLC**
9330 Zionsville Road
Indianapolis, IN 46268

Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials	47832193	62719	OWN	
860.1500	Crop Field Trials	47832291	62719	OWN	
860.1500	Crop Field Trials	47832221	62719	OWN	
860.1500	Crop Field Trials	47832238	62719	OWN	
860.1500	Crop Field Trials	47832202	62719	OWN	
860.1500	Crop Field Trials	47832154	62719	OWN	
860.1500	Crop Field Trials	47832245	62719	OWN	
860.1500	Crop Field Trials	47832169	62719	OWN	
860.1500	Crop Field Trials	47832184	62719	OWN	
860.1500	Crop Field Trials	47832194	62719	OWN	
860.1500	Crop Field Trials	47832254	62719	OWN	
860.1500	Crop Field Trials	47832153	62719	OWN	
860.1500	Crop Field Trials	47832241	62719	OWN	
860.1500	Crop Field Trials	47832183	62719	OWN	
860.1500	Crop Field Trials	47832192	62719	OWN	
860.1500	Crop Field Trials	47832243	62719	OWN	
860.1500	Crop Field Trials	47832180	62719	OWN	
860.1500	Crop Field Trials	47832253	62719	OWN	
860.1500	Crop Field Trials	47832242	62719	OWN	
860.1500	Crop Field Trials	47832081	62719	OWN	
860.1500	Crop Field Trials	47832165	62719	OWN	
860.1500	Crop Field Trials	47832223	62719	OWN	
860.1500	Crop Field Trials	47832171	62719	OWN	
860.1500	Crop Field Trials	47832249	62719	OWN	
860.1500	Crop Field Trials	47832158	62719	OWN	
860.1500	Crop Field Trials	47832252	62719	OWN	

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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials	47832161	62719	OWN	
860.1500	Crop Field Trials	47832166	62719	OWN	
860.1500	Crop Field Trials	47832198	62719	OWN	
860.1500	Crop Field Trials	47832156	62719	OWN	
860.1500	Crop Field Trials	47832163	62719	OWN	
860.1500	Crop Field Trials	47832178	62719	OWN	
860.1500	Crop Field Trials	47832250	62719	OWN	
860.1500	Crop Field Trials	47832159	62719	OWN	
860.1500	Crop Field Trials	47832179	62719	OWN	
860.1500	Crop Field Trials	47832190	62719	OWN	
860.1500	Crop Field Trials	47832248	62719	OWN	
860.1500	Crop Field Trials	47832170	62719	OWN	
860.1500	Crop Field Trials	47832247	62719	OWN	
860.1500	Crop Field Trials	47832230	62719	OWN	
860.1500	Crop Field Trials	47832293	62719	OWN	
860.1500	Crop Field Trials	47832294	62719	OWN	
860.1500	Crop Field Trials	48288907	62719	OWN	
860.1500	Crop Field Trials	48288908	62719	OWN	
860.1500	Crop Field Trials	48288909	62719	OWN	
860.1500	Crop Field Trials	48288910	62719	OWN	
860.1500	Crop Field Trials	48288911	62719	OWN	
860.1500	Crop Field Trials	48288912	62719	OWN	
860.1500	Crop Field Trials	48288913	62719	OWN	
860.1500	Crop Field Trials	48288914	62719	OWN	
860.1500	Crop Field Trials	48288915	62719	OWN	
860.1500	Crop Field Trials	48288916	62719	OWN	

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9330 Zionsville Road
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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop Field Trials	48288917	62719	OWN	
860.1500	Crop Field Trials	48288918	62719	OWN	
860.1500	Crop Field Trials	48288919	62719	OWN	
860.1500	Crop Field Trials	48288920	62719	OWN	
860.1500	Crop Field Trials	48288921	62719	OWN	
860.1500	Crop Field Trials	48288922	62719	OWN	
860.1500	Crop Field Trials	48288923	62719	OWN	
860.1500	Crop Field Trials	48288924	62719	OWN	
860.1500	Crop Field Trials	48288925	62719	OWN	
860.1500	Crop Field Trials	48288926	62719	OWN	
860.1500	Crop Field Trials	48288927	62719	OWN	
860.1500	Crop Field Trials	48288928	62719	OWN	
860.1500	Crop Field Trials	48288929	62719	OWN	
860.1500	Crop Field Trials	48288930	62719	OWN	
860.1520	Processed Food/Feed	47832212	62719	OWN	
860.1520	Processed Food/Feed	47832297	62719	OWN	
860.1520	Processed Food/Feed	47832209	62719	OWN	
860.1520	Processed Food/Feed	47832298	62719	OWN	
860.1520	Processed Food/Feed	48581201	62719	OWN	
860.1520	Processed Food/Feed	47832205	62719	OWN	
860.1520	Processed Food/Feed	47832213	62719	OWN	
860.1520	Processed Food/Feed	47832218	62719	OWN	
860.1520	Processed Food/Feed	47832216	62719	OWN	
860.1520	Processed Food/Feed	47832208	62719	OWN	
860.1520	Processed Food/Feed	47832207	62719	OWN	
860.1520	Processed Food/Feed	47832206	62719	OWN	

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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Processed Food/Feed	47832211	62719	OWN	
860.1520	Processed Food/Feed	47832204	62719	OWN	
860.1520	Processed Food/Feed	47832215	62719	OWN	
860.1520	Processed Food/Feed	47832217	62719	OWN	
860.1520	Processed Food/Feed	47832172	62719	OWN	
860.1520	Processed Food/Feed	47832210	62719	OWN	
860.1520	Processed Food/Feed	47832214	62719	OWN	
860.1520	Processed Food/Feed	48288931	62719	OWN	
860.1850	Confined Accumulation in Rotational Crops	47832311	62719	OWN	
860.1900	Field Accumulation in Rotational Crops	48288901	62719	OWN	
870.3050	Repeated Dose 28-day Oral Toxicity Study in Rodents	47832045	62719	OWN	
870.3050	Repeated Dose 28-day Oral Toxicity Study in Rodents	47832042	62719	OWN	
870.3050	Repeated Dose 28-day Oral Toxicity Study in Rodents	47832099	62719	OWN	
870.3050	Repeated Dose 28-day Oral Toxicity Study in Rodents	48288941	62719	OWN	
870.3100	90-Day Oral Toxicity in Rodents	47832057	62719	OWN	
870.3100	90-Day Oral Toxicity in Rodents	47832147	62719	OWN	
870.3150	90-Day Dietary Toxicity Study in Beagle Dogs	47832058	62719	OWN	
870.3150	90-Day Dietary Toxicity Study in Beagle Dogs	47832037	62719	OWN	
870.3150	90-Day Dietary Toxicity Study in Beagle Dogs	47832036	62719	OWN	
870.3200	21/28-Day Dermal Toxicity	47832059	62719	OWN	
870.3550	Reproduction/Development Toxicity Screening Test	47832143	62719	OWN	
870.3550	Reproduction/Development Toxicity Screening Test	47832063	62719	OWN	

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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3550	Reproduction/Development Toxicity Screening Test	47832094	62719	OWN	
870.3700	Prenatal Developmental Toxicity Study	47832140	62719	OWN	
870.3700	Prenatal Developmental Toxicity Study	47832066	62719	OWN	
870.3700	Prenatal Developmental Toxicity Study	47832087	62719	OWN	
870.3800	Reproduction and Fertility Effects	47832142	62719	OWN	
870.4100	Chronic Toxicity	48288906	62719	OWN	
870.4200	Carcinogenicity	47832054	62719	OWN	
870.4300	Combined Chronic Toxicity/Carcinogenicity	47832060	62719	OWN	
870.5100	Bacterial Reverse Mutation Test	47832047	62719	OWN	
870.5100	Bacterial Reverse Mutation Test	47832097	62719	OWN	
870.5100	Bacterial Reverse Mutation Test	47832085	62719	OWN	
870.5100	Bacterial Reverse Mutation Test	47832076	62719	OWN	
870.5100	Bacterial Reverse Mutation Test	47832070	62719	OWN	
870.5100	Bacterial Reverse Mutation Test	47832068	62719	OWN	
870.5300	In vitro, Mammalian Cell Gene Mutation Test	47832049	62719	OWN	
870.5300	In vitro, Mammalian Cell Gene Mutation Test	47832095	62719	OWN	
870.5300	In vitro, Mammalian Cell Gene Mutation Test	47832077	62719	OWN	
870.5300	In vitro, Mammalian Cell Gene Mutation Test	48288933	62719	OWN	
870.5300	In vitro, Mammalian Cell Gene Mutation Test	48288934	62719	OWN	
870.5375	In vitro, Mammalian Chromosome Aberration Test	47832050	62719	OWN	
870.5375	In vitro, Mammalian Chromosome Aberration Test	47832096	62719	OWN	
870.5375	In vitro, Mammalian Chromosome Aberration Test	47832078	62719	OWN	
870.5375	In vitro, Mammalian Chromosome Aberration Test	48288932	62719	OWN	
870.5375	In vitro, Mammalian Chromosome Aberration Test	48288935	62719	OWN	
870.5395	Mammalian erythrocyte micronucleus test	47832071	62719	OWN	
870.6200	Neurotoxicity Screening Battery	47832134	62719	OWN	

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Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6300	Developmental Neurotoxicity Study	47832133	62719	OWN	
870.7485	Metabolism and Phamacokinetics	47832039	62719	OWN	
870.7485	Metabolism and Phamacokinetics	47832034	62719	OWN	
870.7800	Immunotoxicity	47832147	62719	OWN	
875.1000	Background for Application Exposure Monitoring Test Guidelines	47832288	62719	OWN	
N/A	XDE-208: Mode Of Action Evaluation And Human Relevance Framework Analysis For XDE-208-Induced Fetal Abnormalities And Neonatal Death In Rats	49146307	62719	OWN	
N/A	XDE-208: Characterization of the Agonist Effects of XDE-208 on Mammalian Muscle Nicotinic Acetylcholine Receptors by Fluorescence-Based Intracellular Calcium Assay	49146308	62719	OWN	
N/A	Addendum to NS000108: Analysis of Responses to 1mM XDE-208 in the FLIPR Assay	49146309	62719	OWN	
N/A	Dow AgroSciences Position Paper on Sulfoxaflor and Bees: Sulfoxaflor Bee Studies and Risk Assessment	48820701			
N/A	Response to EPA Comment on XDE-208 Rat Chronic/Oncogenicty and Mouse Oncogenicty Studies Not Providing Sufficient Historical Control Data; Related to MRID 47832060 and 47832054	48755701	62719	OWN	
N/A	Response to EPA Comment on XDE-208 Rat Acute Neurotoxicity Study Not Providing Sufficient Historical Data; Related to MRID 47832134	48755702	62719	OWN	

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9330 Zionsville Road
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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Sulfoxaflor Crop Residue Decline Summary Report	48755703	62719	OWN	
N/A	Determination of Sulfoxaflor Residues in Various Plant Tissues following Foliar Application of Low and High Rates of the Insecticide	48755601	62719	OWN	
N/A	Raw Data for the report entitled "Determination of Sulfoxaflor Residues in Various Plant Tissues following Foliar Application of Low and High Rates of the Insecticide", MRID #48755601	48805101	62719	OWN	
N/A	Sulfoxaflor: A Semi-Field Study in Cotton Treated with GF-2372 (sulfoxaflor 50% WP) to Determine Residues in Matrices Relevant to Exposure of Honeybees and Honeybee Brood, to Enable Estimation of Exposure of a Typical Honeybee Colony. Field Phase Conducted in San Joaquin Valley (California, USA)	48755606	62719	OWN	
N/A	XDE-208: Acute Toxicity Effects to Honeybee Larvae (Apis mellifera L.) Under Laboratory Conditions (in vitro)	48755602	62719	OWN	
N/A	XDE-208: Chronic Toxicity Effects to Honeybee Larvae (Apis mellifera L.) Under Laboratory Conditions (in vitro)	48755603	62719	OWN	
N/A	Study on the Effect of GF-2626 on Honey Bee Brood (Apis mellifera L.) under Semi-Field Conditions - Tunnel Test	48755604	62719	OWN	

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Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Study on the Effect of GF-2626 on Honey Bee Brood (Apis mellifera L.) under Semi-Field Conditions - Tunnel Test	48755605	62719	OWN	
N/A	Effects of Z1142208 Infusion on Hypothalamic Dopamine, Dopac, and HVA Efflux – A Microdialysis Experiment in Freely-Moving Rats	48641602	62719	OWN	
N/A	XDE-208 (Sulfoxaflor): Mode of Action and Human Relevance Framework Analysis of Preputial Gland Carcinomas in the Two-Year F344/DuCrl Rat Carcinogrenicity Assay	48641603	62719	OWN	
N/A	Calculation of the Henry's Law Constants for XDE-208 from Unbuffered and pH 5, 7, and 9 Buffered Water	47832007	62719	OWN	
N/A	Determination of Octanol/Water Partition Coefficient for X117149474 by HPLC Method	47832020	62719	OWN	
N/A	Determination of Dissociation Constant of X11719474 Using UV-Visible Spectrophotometry and Potetiometric Titration Techniques	47832092	62719	OWN	
N/A	Determination of Vapour Pressure for X11719474	47832022	62719	OWN	
N/A	Determination of Water Solubility for X11719474	47832023	62719	OWN	
N/A	Determination of Octanol/Water Petition Coefficient for X11519540 by HPLC Method	47832024	62719	OWN	
N/A	Determination of Octanol/Water Partition Coefficient for X11721061 by HPLC Method	47832025	62719	OWN	
N/A	Determination of Octanol/Water Partition Coefficient for X11596066 by HPLC Method	47832026	62719	OWN	

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Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Determination of Octanol/Water Partition Coefficient for X11579457 by HPLC Method	47832027	62719	OWN	
N/A	X11422208: Probe Study to Determine Absorption, Distribution, Metabolism, and Elimination in F344/DuCrl Rats and CRL:CD1(1CR) Mice	47832038	62719	OWN	
N/A	X11422208: Palatability Probe Study in Female F344/DuCrl Rats	47832044	62719	OWN	
N/A	X11422208: Palatability and Toxicokinetic Probe Study in CRL:CD1(1CR) Mice	47832048	62719	OWN	
N/A	XDE-208: Palatability and Tolerability Probe in Beagle Dogs	47832056	62719	OWN	
N/A	XDE-208: 28-Day Palatability/Tolerability Probe Study in Beagle Dogs	47832043	62719	OWN	
N/A	X11422208: Gene Expression and Cell Proliferation Analyses in X11422208 Exposed Rats and Mice	47832033	62719	OWN	
N/A	XR-208: Targeted Gene Expression, Cell Proliferation, and Cytochrome P450 Enzymatic Activity in Rats	47832061	62719	OWN	
N/A	XDE-208: Mode of Action Study Investigating Liver Weight effects in CRL: CD-1 (1CR) Mice	47832062	62719	OWN	
N/A	XDE-208: A Study to Characterize the Induction Profile of XDE-208 in the Livers of C57BL/6J Mice	47832276	62719	OWN	

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Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	XDE-208: A Study to Investigate the Mode of Action for Liver Effects Observed in Regulatory Toxicology Studies by Use of Dual Car-PXR Knockout And Humanised Mice	47832255	62719	OWN	
N/A	XDE-208: Dietary Developmental Toxicity Probe Study in CRL:CD(SD) Rats	47832141	62719	OWN	
N/A	XDE-208: Oral Gavage Developmental Toxicity Probe Study in New Zealand White Rabbits	47832139	62719	OWN	
N/A	XDE-208: Dietary Development Toxicity/Palatability Probe Study in New Zealand White Rabbits	47832065	62719	OWN	
N/A	A Study of the Effect of XDE-208 on Neonatal Survival in New Zealand White Rabbits	47832138	62719	OWN	
N/A	XDE-208: Characterization of the Agonist Effects of XDE-208 On Mammalian Muscle Nicotinic Acetylcholine Receptors	47832035	62719	OWN	
N/A	XDE-208: Investigation of the Critical Window of Exposure for Fetal Abnormalities and Neonatal Survival Effects in Crl:CD(SD) Rats	47832137	62719	OWN	
N/A	XDE-208: Investigation of the Critical Window of Exposure For Fetal Abnormalities and Neonatal Survival Effects in Crl:CD(SD) Rats (Phase 2)	47832136	62719	OWN	
N/A	XDE-208: Observations on the Effects of XDE-208 on the Phrenic Nerve-Hemidiaphragm Preparation from New Born Rat	47832064	62719	OWN	

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DATA MATRIX

Date: December 15, 2014

EPA Reg No./File: **62719-625**

Applicant's/Registrant's Name & Address: **Dow AgroSciences LLC**
9330 Zionsville Road
Indianapolis, IN 46268

Product: **Transform WG**

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	XDE-208: Histopathological Evaluation of Fetal Lung Samples From the Developmental Toxicity Study in Crl:CD(SD) Rats	47832135	62719	OWN	
N/A	X11719474: Probe Study to Determine Absorption, Metabolism and Elimination in F344/DuCrl Rats	47832132	62719	OWN	
N/A	X11719474: Acute Oral Toxicity Screening Study in F344/DuCrl Rats	47832308	62719	OWN	
N/A	X11719474: Acute Dermal Toxicity/Skin Irritation and Eye Irritation Screening Studies	47832309	62719	OWN	
N/A	X11719474: Palatability Probe Study in F344/DuCrl Rats	47832118	62719	OWN	
N/A	X11719474: A Dose-Range Finding and Tolerability Study in Male Beagle dogs	47832098	62719	OWN	
N/A	X11719474: Targeted Gene Expression, Cell Proliferation, and Cytochrome P450 Enzymatic Activity in Males F344/DuCrl Rats to Determine the Mode of Action for Effects on the Liver	47832151	62719	OWN	
N/A	X11721061: A 1-Week Palatability Study in Male Fischer Rats	47832146	62719	OWN	
N/A	Processing Study to Determine the Nature of Residues of 14C-XDE-208, 14C-X11719474 and 14C-X11721061 Following Industrial or Household Preparation	47832083	62719	OWN	
N/A	The Inter-conversion of the Diastereometers of DE-208 and X11719474 in Soil, Water, and Biological Solutions	47832310	62719	OWN	

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DATA MATRIX

Date: December 15, 2014		EPA Reg No./File: **62719-625**	Page 23 of 25
Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	
Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	XR-208: Acute Oral Toxicity Test with the Honeybee, Apis mellifera	47832103	62719	OWN	
N/A	Laboratory bioassay to determine the acute oral toxicity of X11719474 to the honeybee, Apis mellifera	47832107	62719	OWN	
N/A	Determination of acute toxicity of XDE-208 to the earthworm Eisenia fetida in an artificial soil substrate	47832116	62719	OWN	
N/A	Determination of acute toxicity of the metabolite X11719474 to the earthworm Eisenia fetida in an artificial soil substrate	47832108	62719	OWN	
N/A	Acute and Chronic Dietary Exposure and Risk Assessments for Proposed Uses of Sulfoxaflor	47832287	62719	OWN	
N/A	Public Interest Document Supporting the Registration of Sulfoxaflor (XDE-208) to Control Economically Important and Difficult-to-Control Insects on Cotton, Soybean, Cereals, Citrus, Leafy and Fruiting Vegetables, Grapes, Cole Crops and Apples	47832289	62719	OWN	
N/A	XDE-208 MII Section 1 Identity	47832301	62719	OWN	
N/A	XDE-208 MII Section 2 Analytical Methods	47832302	62719	OWN	
N/A	XDE-208 MII Section 3 Toxicology (Summaries)	47832303	62719	OWN	
N/A	XDE-208 MII Section 4 Residues (Summaries)	47832304	62719	OWN	
N/A	XDE-208 MII Section 5 Fate (Summaries)	47832305	62719	OWN	
N/A	XDE-208 MII Section 6 Ecotox (Summaries)	47832306	62719	OWN	
N/A	OECD XDE-208 Document N	47832307	62719	OWN	

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Applicant's/Registrant's Name & Address:	**Dow AgroSciences LLC** **9330 Zionsville Road** **Indianapolis, IN 46268**	Product: **Transform WG**	

Ingredient: Sulfoxaflor

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	XDE-208: Mode of Action and Human Relevance Framework Analysis for XDE-208-Induced Rodent Liver Tumors	48288939	62719	OWN	
N/A	XDE-208: Mode of Action Evaluation and Human Relevance Framework Analysis for XDE-208-Induced Fetal Abnormalities and Neonatal Death in Rats	48288940	62719	OWN	
N/A	X11519540: Palatability Probe Study in Male F344/DuCrl Rats	48288936	62719	OWN	
N/A	XDE-208: Leydig Cell Mode of Action Study in CRL:CD(SD) and F344/DuCrl Rats	48288942	62719	OWN	
N/A	Acute and Chronic Dietary Exposure and Risk Assessments for Proposed Uses of Sulfoxaflor (Amended Report)	48288944	62719	OWN	
N/A	Biological Characterization of Sulfoxaflor, a Novel Insecticide	48445801	62719	OWN	
N/A	Discovery and Characterization of Sulfoxaflor, a Novel Insecticide Targeting Sap Feeding Pests	48445802	62719	OWN	
N/A	Novel nicotinic Action of the Sulfoximine Insecticide Sulfoxaflor	48445803	62719	OWN	
N/A	Uptake, Translocation and Metabolism of Sulfoxaflor (XDE-208) in Three Plants: Cabbage, Pepper and Cotton	48445804	62719	OWN	
N/A	Mutations in Dα1 and Dβ2 Nicotinic Acetylcholine Receptor Subunits Can Confer Resistance to Neonicotinoids in Drosophila melanogaster	48445805	62719	OWN	

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Ingredient: Sulfoxaflor			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	GF-2032 - A Semi field Study to Evaluate Effects on the Honeybee Apis mellifera carnica L.; (Hymenoptera, Apidae) in Phacelia tanacetifolia in France in 2008	48445806	62719	OWN	
N/A	A Rate-Response Laboratory Test to Determine the Effects of GF-2032 on the parasitic wasp, Aphidius rhopalosiphi (Hymenoptera, Braconidae)	48445808	62719	OWN	
N/A	Laboratory Bioassay to Determine the Acute Oral Toxicity of X11721061 to the honeybee, *Apis mellifera*	48445809	62719	OWN	
N/A	Response to EPA Memorandum "Sulfoxaflor: Preliminary Assessment of Potential Risk Concerns to Pollinators"	48445810	62719	OWN	
N/A	Toxicity Testing of GF-2032 on Honey Bees (Apis mellifera L.) Under Semi-Field Conditions - Tunnel Test	48445807	62719	OWN	
N/A	XDE-208 (Sulfoxaflor): Mode of Action and Human Relevance Framework Analysis for XDE-208-Induced Promotion of Fischer 344 Rat Leydig Cell Tumors	48489601	62719	OWN	
N/A	XDE-208 Technical: Screening for Estrogen Receptor and Androgen Receptor Binding and Transactivation and Armoatase Inhibition	48489602	62719	OWN	