Chemical:
MRID:
PC Code:
Plot:
Guideline:

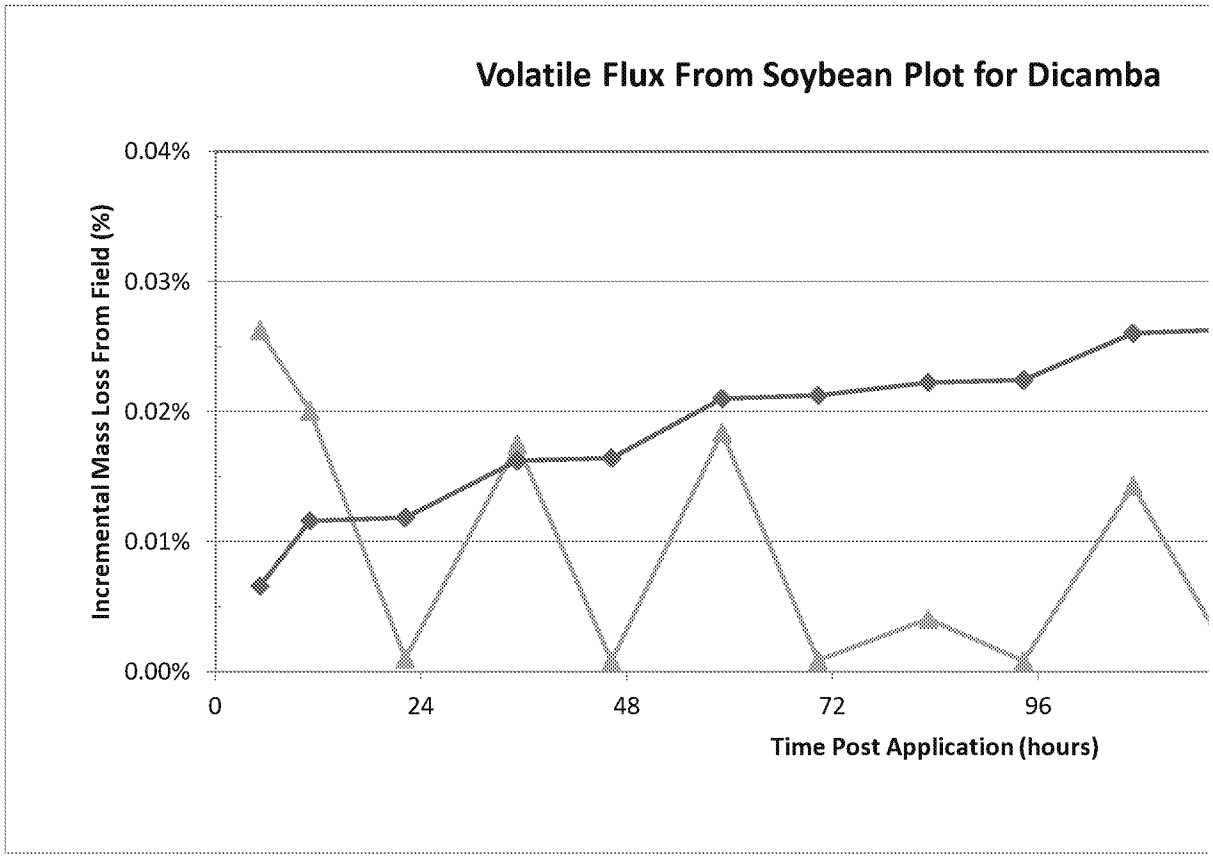
Application Rate (lbs. a.i./A)

Period
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

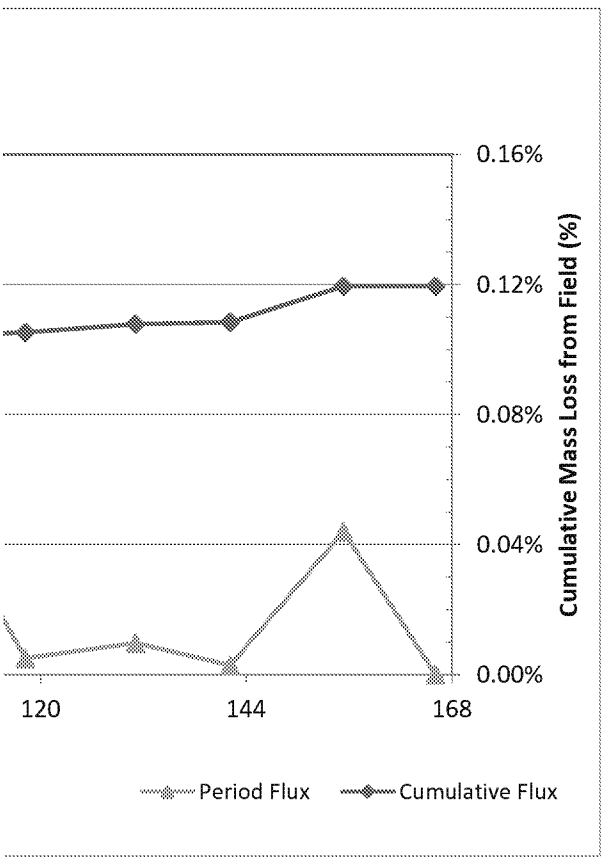
Dicamba DGA and S-metolachlor
50958203
128931 (Dicamba DGA) and 108800 (S-metolachlor)
Soybean
835.8100

0.5

Date/Time	Sampling Period (hrs.)	Time Post Application (hrs.)
7/29, 9:36 - 13:59	4.38	5.20
7/29, 13:59 - 19:49	5.83	11.03
7/29-30, 19:49 - 6:59	11.17	22.20
7/30, 6:59 - 20:01	13.03	35.23
7/30-31, 20:01 - 6:59	10.97	46.20
7/31, 6:59 - 19:55	12.93	59.13
7/31-8/1, 19:55 - 7:07	11.20	70.33
8/1, 7:08 - 19:58	12.83	83.18
8/1-2, 19:58 - 7:05	11.12	94.30
8/2, 7:06 - 19:53	12.78	107.10
8/2-3, 19:53 - 7:00	11.12	118.22
8/3, 7:00 - 19:50	12.83	131.05
8/3-4, 19:50 - 6:54	11.07	142.12
8/4, 6:54 - 20:06	13.20	155.32
8/4-5, 20:06 - 6:51	10.75	166.07



Flux (μg/m^2·s)	Period % of Applied	Cumulative % of Applied	Reasoning
0.000932	0.00026	0.00026	Slope
0.000536	0.00020	0.00046	Slope
0.000014	0.00001	0.00047	Slope
0.000209	0.00018	0.00065	Slope
0.000012	0.00001	0.00066	Slope
0.000221	0.00018	0.00084	Slope, no intercept
0.000012	0.00001	0.00085	Slope
0.000049	0.00004	0.00089	Slope
0.000011	0.00001	0.00090	Slope
0.000174	0.00014	0.00104	Slope
0.000018	0.00001	0.00105	Slope
0.000030	0.00002	0.00108	Slope
0.000010	0.00001	0.00108	Slope, no intercept
0.000130	0.00011	0.00119	Slope, no intercept
NA	0.00000	0.00119	NA



Date and time from Appendix III, Table 2, p. 428 of the study report.
Sampling period and time post application calculated in accompanying spreadsheet 128931_50958203_DER-FATE_835.

8100_4-29-20_Calc.xlsx

Chemical:	Dicamba DGA and S-metolachlor	Raw Air Conc.		
MRID:	50958203			Applicable for specific sampling methods
PC Code:	128931 (Dicamba DGA) and 108800 (S-metolachlor)			
Plot:	Soybean			
Guideline:	835.8100			
	DICAMBA CONCENTRATION IN AIR TUBES (µg/m3)			

	Sample ID	Measured Concentration (ng)	Sample ID (Back-Half)	Measured Concentration (Back-Half) (µg)
Application	NN	0.367	NA	0.000
	NE	56.500	NA	0.000
	EE	18.100	NA	0.000
	SE	2.630	NA	0.000
	SS	0.150	NA	0.000
	SW	0.150	NA	0.000
	WW	0.150	NA	0.000
	NW	0.150	NA	0.000
0 - 6	NN	2.230	NA	0.000
	NE	4.780	NA	0.000
	EE	1.240	NA	0.000
	SE	0.798	NA	0.000
	SS	0.150	NA	0.000
	SW	0.150	NA	0.000
	WW	0.150	NA	0.000
	NW	0.948	NA	0.000
6 - 12	NN	3.110	NA	0.000
	NE	5.430	NA	0.000
	EE	1.720	NA	0.000
	SE	1.410	NA	0.000
	SS	0.464	NA	0.000
	SW	0.150	NA	0.000
	WW	0.150	NA	0.000
	NW	1.190	NA	0.000
12 - 24	NN	0.711	NA	0.000
	NE	0.828	NA	0.000
	EE	0.307	NA	0.000
	SE	0.430	NA	0.000
	SS	0.150	NA	0.000
	SW	0.607	NA	0.000

				Raw Air Conc.			
Sample Collection Start Time (Local Time)	**Sample Collection Stop Time (Local Time)**	**Start Flow Rate (L/min)**	**End Flow Rate (L/min)**	**Sampling Duration (Minutes)**	**Measured Air Concentration ($\mu g/m^3$)**	**Measured Air Concentration (Back-Half) ($\mu g/m^3$)**	**Percent of Front-Half Concentration**
8:20	9:23	3.003	3.125	63	0.0019	0.0000	0.00%
8:20	9:28	3.020	3.157	68	0.2690	0.0000	0.00%
8:20	9:34	3.031	3.307	74	0.0772	0.0000	0.00%
8:20	9:39	3.025	3.065	79	0.0109	0.0000	0.00%
8:20	9:44	3.009	3.155	84	0.0006	0.0000	0.00%
8:20	9:50	3.060	3.345	90	0.0005	0.0000	0.00%
8:20	9:56	3.004	3.272	96	0.0005	0.0000	0.00%
8:20	9:16	3.025	3.134	56	0.0009	0.0000	0.00%
9:23	13:47	3.020	3.059	264	0.0028	0.0000	0.00%
9:28	13:52	3.041	3.189	264	0.0058	0.0000	0.00%
9:34	13:57	3.003	2.940	263	0.0016	0.0000	0.00%
9:39	14:01	3.043	3.216	262	0.0010	0.0000	0.00%
9:44	14:06	3.003	3.076	262	0.0002	0.0000	0.00%
9:50	14:11	3.024	3.052	261	0.0002	0.0000	0.00%
9:56	14:16	3.038	2.992	260	0.0002	0.0000	0.00%
9:16	13:42	3.050	3.094	266	0.0012	0.0000	0.00%
13:47	19:39	3.046	3.008	352	0.0029	0.0000	0.00%
13:52	19:42	3.058	2.960	350	0.0052	0.0000	0.00%
13:57	19:47	3.005	2.960	350	0.0016	0.0000	0.00%
14:01	19:51	3.014	3.171	350	0.0013	0.0000	0.00%
14:06	19:56	3.021	2.988	350	0.0004	0.0000	0.00%
14:11	20:02	3.038	2.954	351	0.0001	0.0000	0.00%
14:16	20:06	3.043	2.986	350	0.0001	0.0000	0.00%
13:42	19:35	3.047	3.033	353	0.0011	0.0000	0.00%
19:39	6:48	3.014	2.910	669	0.0004	0.0000	0.00%
19:42	6:54	3.010	2.873	672	0.0004	0.0000	0.00%
19:47	6:58	3.017	2.979	671	0.0002	0.0000	0.00%
19:51	7:02	3.048	3.088	671	0.0002	0.0000	0.00%
19:56	7:07	3.011	2.974	671	0.0001	0.0000	0.00%
20:02	7:12	3.041	3.082	670	0.0003	0.0000	0.00%

Measured Air Concentration (Total) ($\mu g/m^3$)
0.00190
0.26902
0.07718
0.01093
0.00058
0.00052
0.00050
0.00087
0.00278
0.00581
0.00159
0.00097
0.00019
0.00019
0.00019
0.00116
0.00292
0.00516
0.00165
0.00130
0.00044
0.00014
0.00014
0.00111
0.00036
0.00042
0.00015
0.00021
0.00007
0.00030

	WW	0.805	NA	0.000
	NW	1.500	NA	0.000
24 - 36	NN	0.927	NA	0.000
	NE	3.120	NA	0.000
	EE	1.890	NA	0.000
	SE	1.920	NA	0.000
	SS	0.392	NA	0.000
	SW	0.401	NA	0.000
	WW	0.407	NA	0.000
	NW	0.755	NA	0.000
36 - 48	NN	2.000	NA	0.000
	NE	2.590	NA	0.000
	EE	1.260	NA	0.000
	SE	1.340	NA	0.000
	SS	0.872	NA	0.000
	SW	0.768	NA	0.000
	WW	0.655	NA	0.000
	NW	1.500	NA	0.000
48 - 60	NN	1.090	NA	0.000
	NE	1.710	NA	0.000
	EE	1.450	NA	0.000
	SE	1.500	NA	0.000
	SS	0.865	NA	0.000
	SW	1.350	NA	0.000
	WW	2.200	NA	0.000
	NW	1.720	NA	0.000
60 - 72	NN	0.899	NA	0.000
	NE	0.740	NA	0.000
	EE	0.346	NA	0.000
	SE	0.755	NA	0.000
	SS	1.120	NA	0.000
	SW	1.740	NA	0.000
	WW	1.350	NA	0.000
	NW	1.610	NA	0.000
72 - 84	NN	0.552	NA	0.000
	NE	0.755	NA	0.000
	EE	0.612	NA	0.000
	SE	0.995	NA	0.000
	SS	1.010	NA	0.000
	SW	1.000	NA	0.000
	WW	1.070	NA	0.000
	NW	0.935	NA	0.000
	NN	0.538	NA	0.000

20:06	7:15	3.012	3.035	669	0.0004	0.0000	0.00%
19:35	6:42	3.043	2.898	667	0.0008	0.0000	0.00%
6:48	19:49	3.010	3.473	781	0.0004	0.0000	0.00%
6:54	19:54	3.074	3.187	780	0.0013	0.0000	0.00%
6:58	19:59	3.024	3.084	781	0.0008	0.0000	0.00%
7:02	20:04	3.067	3.504	782	0.0007	0.0000	0.00%
7:07	20:10	3.087	3.128	783	0.0002	0.0000	0.00%
7:12	20:14	3.049	3.077	782	0.0002	0.0000	0.00%
7:15	20:20	3.042	3.037	785	0.0002	0.0000	0.00%
6:42	19:43	3.035	3.147	781	0.0003	0.0000	0.00%
19:49	6:44	3.014	2.939	655	0.0010	0.0000	0.00%
19:54	6:52	3.035	2.905	658	0.0013	0.0000	0.00%
19:59	6:58	3.044	3.037	659	0.0006	0.0000	0.00%
20:04	7:03	3.019	3.066	659	0.0007	0.0000	0.00%
20:10	7:08	3.032	2.996	658	0.0004	0.0000	0.00%
20:14	7:13	3.043	3.088	659	0.0004	0.0000	0.00%
20:20	7:19	3.044	3.039	659	0.0003	0.0000	0.00%
19:43	6:37	3.010	2.945	654	0.0008	0.0000	0.00%
6:44	19:40	3.023	3.185	776	0.0005	0.0000	0.00%
6:52	19:47	3.028	3.174	775	0.0007	0.0000	0.00%
6:58	19:53	3.021	3.032	775	0.0006	0.0000	0.00%
7:03	19:59	3.026	3.235	776	0.0006	0.0000	0.00%
7:08	20:05	3.025	3.042	777	0.0004	0.0000	0.00%
7:13	20:10	3.016	3.037	777	0.0006	0.0000	0.00%
7:19	20:16	3.031	3.041	777	0.0009	0.0000	0.00%
6:37	19:33	3.041	3.164	776	0.0007	0.0000	0.00%
19:40	6:49	3.045	2.925	669	0.0005	0.0000	0.00%
19:47	6:59	3.045	2.913	672	0.0004	0.0000	0.00%
19:53	7:05	3.035	2.969	672	0.0002	0.0000	0.00%
19:59	7:13	3.013	3.009	674	0.0004	0.0000	0.00%
20:05	7:19	3.046	2.984	674	0.0006	0.0000	0.00%
20:10	7:24	3.024	3.001	674	0.0009	0.0000	0.00%
20:16	7:29	3.045	3.044	673	0.0007	0.0000	0.00%
19:33	6:40	3.028	2.919	667	0.0008	0.0000	0.00%
6:54	19:44	3.012	3.092	770	0.0002	0.0000	0.00%
7:02	19:50	3.018	3.189	768	0.0003	0.0000	0.00%
7:08	19:55	3.028	3.067	767	0.0003	0.0000	0.00%
7:13	20:00	3.018	3.123	767	0.0004	0.0000	0.00%
7:19	20:06	3.014	3.054	767	0.0004	0.0000	0.00%
7:24	20:12	3.027	2.997	768	0.0004	0.0000	0.00%
7:29	20:18	3.032	2.985	769	0.0005	0.0000	0.00%
6:40	19:40	3.031	3.094	780	0.0004	0.0000	0.00%
19:44	6:51	3.015	2.929	667	0.0003	0.0000	0.00%

Raw Air Conc.
0.00040
0.00076
0.00037
0.00128
0.00079
0.00075
0.00016
0.00017
0.00017
0.00031
0.00103
0.00133
0.00063
0.00067
0.00044
0.00038
0.00033
0.00077
0.00045
0.00071
0.00062
0.00062
0.00037
0.00057
0.00093
0.00071
0.00045
0.00037
0.00017
0.00037
0.00055
0.00086
0.00066
0.00081
0.00023
0.00032
0.00026
0.00042
0.00043
0.00043
0.00046
0.00039
0.00027

84 - 96	NE	0.657	NA	0.000
	EE	0.439	NA	0.000
	SE	0.488	NA	0.000
	SS	0.904	NA	0.000
	SW	1.490	NA	0.000
	WW	0.713	NA	0.000
	NW	0.603	NA	0.000
96 - 108	NN	0.831	NA	0.000
	NE	0.904	NA	0.000
	EE	0.652	NA	0.000
	SE	0.948	NA	0.000
	SS	2.110	NA	0.000
	SW	2.970	NA	0.000
	WW	1.110	NA	0.000
	NW	1.220	NA	0.000
108 - 120	NN	0.542	NA	0.000
	NE	0.659	NA	0.000
	EE	0.552	NA	0.000
	SE	0.921	NA	0.000
	SS	1.060	NA	0.000
	SW	2.190	NA	0.000
	WW	0.755	NA	0.000
	NW	0.783	NA	0.000
120 - 132	NN	0.891	NA	0.000
	NE	1.060	NA	0.000
	EE	0.910	NA	0.000
	SE	1.490	NA	0.000
	SS	1.220	NA	0.000
	SW	1.440	NA	0.000
	WW	1.060	NA	0.000
	NW	1.100	NA	0.000
132 - 144*	NN	0.867	NA	0.000
	NE	0.858	NA	0.000
	EE	0.573	NA	0.000
	SE	1.310	NA	0.000
	SS	1.160	NA	0.000
	SW	1.500	NA	0.000
	WW	0.986	NA	0.000
	NW	1.610	NA	0.000
144 - 156*	NN	0.711	NA	0.000
	NE	0.636	NA	0.000
	EE	0.453	NA	0.000
	SE	0.717	NA	0.000

19:50	6:58	3.013	2.852	668	0.0003	0.0000	0.00%
19:55	7:03	3.012	3.144	668	0.0002	0.0000	0.00%
20:00	7:13	3.016	3.055	673	0.0002	0.0000	0.00%
20:06	7:15	3.036	2.989	669	0.0004	0.0000	0.00%
20:12	7:20	3.042	3.113	668	0.0007	0.0000	0.00%
20:18	7:25	3.029	3.093	667	0.0003	0.0000	0.00%
19:40	6:40	3.023	2.941	660	0.0003	0.0000	0.00%
6:51	19:38	3.039	3.201	767	0.0003	0.0000	0.00%
6:58	19:46	3.042	3.216	768	0.0004	0.0000	0.00%
7:03	19:51	3.027	2.978	768	0.0003	0.0000	0.00%
7:13	19:56	3.024	3.117	763	0.0004	0.0000	0.00%
7:15	20:02	3.013	3.137	767	0.0009	0.0000	0.00%
7:20	20:07	3.026	3.002	767	0.0013	0.0000	0.00%
7:25	20:12	3.042	3.052	767	0.0005	0.0000	0.00%
6:48	19:33	3.013	3.176	765	0.0005	0.0000	0.00%
19:38	6:48	3.026	2.895	670	0.0003	0.0000	0.00%
19:46	6:53	3.039	2.865	667	0.0003	0.0000	0.00%
19:51	6:58	3.039	2.990	667	0.0003	0.0000	0.00%
19:56	7:04	3.042	3.014	668	0.0005	0.0000	0.00%
20:02	7:08	3.023	2.981	666	0.0005	0.0000	0.00%
20:07	7:12	3.014	3.005	665	0.0011	0.0000	0.00%
20:12	7:18	3.031	3.029	666	0.0004	0.0000	0.00%
19:33	6:43	3.037	2.941	670	0.0004	0.0000	0.00%
6:48	19:37	3.004	3.089	769	0.0004	0.0000	0.00%
6:53	19:43	3.021	3.143	770	0.0004	0.0000	0.00%
6:58	19:49	3.016	3.055	771	0.0004	0.0000	0.00%
7:04	19:54	3.014	2.992	770	0.0006	0.0000	0.00%
7:08	19:59	3.001	2.992	771	0.0005	0.0000	0.00%
7:12	20:04	3.029	3.021	772	0.0006	0.0000	0.00%
7:18	20:08	3.016	3.019	770	0.0005	0.0000	0.00%
6:43	19:32	3.008	3.078	769	0.0005	0.0000	0.00%
19:37	6:40	3.029	2.953	663	0.0004	0.0000	0.00%
19:43	6:44	3.005	2.917	661	0.0004	0.0000	0.00%
19:49	6:49	3.005	2.966	660	0.0003	0.0000	0.00%
19:54	6:53	3.019	3.023	659	0.0007	0.0000	0.00%
19:59	7:07	3.036	3.083	668	0.0006	0.0000	0.00%
20:04	7:12	3.021	3.031	668	0.0007	0.0000	0.00%
20:08	7:16	3.020	3.042	668	0.0005	0.0000	0.00%
19:32	6:35	3.043	2.976	663	0.0008	0.0000	0.00%
6:40	19:53	3.016	3.247	793	0.0003	0.0000	0.00%
6:44	19:58	3.005	3.225	794	0.0003	0.0000	0.00%
6:49	20:04	3.027	3.158	795	0.0002	0.0000	0.00%
6:53	20:08	3.048	3.197	795	0.0003	0.0000	0.00%

Raw Air Conc.
0.00034
0.00021
0.00024
0.00045
0.00072
0.00035
0.00031
0.00035
0.00038
0.00028
0.00040
0.00089
0.00128
0.00047
0.00052
0.00027
0.00033
0.00027
0.00046
0.00053
0.00109
0.00037
0.00039
0.00038
0.00045
0.00039
0.00064
0.00053
0.00062
0.00046
0.00047
0.00044
0.00044
0.00029
0.00066
0.00057
0.00074
0.00049
0.00081
0.00029
0.00026
0.00018
0.00029

144 - 156	SS	0.016	NA	0.000
	SW	1.740	NA	0.000
	WW	1.870	NA	0.000
	NW	1.990	NA	0.000
156 - 168*	NN	0.150	NA	0.000
	NE	0.150	NA	0.000
	EE	0.150	NA	0.000
	SE	0.150	NA	0.000
	SS	0.150	NA	0.000
	SW	0.150	NA	0.000
	WW	0.150	NA	0.000
	NW	0.150	NA	0.000
Measured concentrations from Appendix II, Table 20, pp. 298-305 of the study report.				
Sample start times, end times, and flow rates from Appendix I, Table 10, pp. 152-157 of the study report.				
Values below the LOD were set to 1/2 the LOD (0.3 ng/PUF).				
* indicates the PUF tube contained visible moisture.				

Raw Air Conc.

7:07	20:16	3.031	3.111	789	0.0003	0.0000	0.00%
7:12	20:20	3.041	3.071	788	0.0007	0.0000	0.00%
7:16	20:26	3.048	3.100	790	0.0008	0.0000	0.00%
6:35	19:47	3.024	3.242	792	0.0008	0.0000	0.00%
19:53	7:03	3.003	2.810	670	0.0001	0.0000	0.00%
19:58	6:58	3.038	0.000	660	0.0001	0.0000	0.00%
20:04	6:53	3.012	2.837	649	0.0001	0.0000	0.00%
20:08	6:49	3.017	3.044	641	0.0001	0.0000	0.00%
20:16	6:45	3.008	2.481	629	0.0001	0.0000	0.00%
20:20	6:41	3.039	2.851	621	0.0001	0.0000	0.00%
20:26	6:35	3.023	2.865	609	0.0001	0.0000	0.00%
19:47	7:07	3.031	2.835	680	0.0001	0.0000	0.00%

Raw Air Conc.

Raw Air Conc.
0.00026
0.00072
0.00077
0.00080
0.00008
0.00015
0.00008
0.00008
0.00009
0.00008
0.00008
0.00008

Chemical:	Dicamba DGA and S-metolachlor
MRID:	50958203
PC Code:	128931 (Dicamba DGA) and 108800 (S-metolachlor)
Plot:	Soybean
Guideline:	835.8100

Plot Soybean Sample Periods Day Hours DTG **Fortification Level (µg)**	6	6	6	12	12	12
	Percent Recovery (%)					
0	NA	NA	NA	NA	NA	NA
0.003	95.3%	90.3%	89.3%	98.0%	93.7%	95.7%
0.01	90.1%	90.6%	88.4%	91.0%	92.8%	93.5%
0.03	90.0%	90.3%	89.7%	92.7%	90.0%	90.3%

NA indicate not applicable.
Data from Appendix II, Table 9, pp. 280-282 of the study report.

PUF Sample Results (ng/PUF; Appendix II, Table 9, pp. 280-282 of the study report).

0	<LS	1.57/<LS/<LS *	<LS	<LS	<LS	<LS
0.003	2.86	2.71	2.68	2.94	2.81	2.87
0.01	9.01	9.06	8.84	9.1	9.28	9.35
0.03	27	27.1	26.9	27.8	27	27.1

Reviewer calculated percent recoveries.

0	NA	NA	NA	NA	NA	NA
0.003	95.3%	90.3%	89.3%	98.0%	93.7%	95.7%
0.01	90.1%	90.6%	88.4%	91.0%	92.8%	93.5%
0.03	90.0%	90.3%	89.7%	92.7%	90.0%	90.3%

* indicates dicamba was detected at 1.57 ng/PUF in the sample, but was not detected in two duplica
LS = Lowest standard (0.03 ng/PUF).
NA = Not applicable.

Chemical:	Dicamba DGA and S-metolachlor
MRID:	50958203
PC Code:	128931 (Dicamba DGA) and 108800 (S-me
Plot:	Soybean
Guideline:	835.8100

Plot soybean		
Sample Periods	1	2
Day	1	1
Hours	1 - 6	6 - 12
DTG	9/9, 10:06 - 14:09	9/9, 14:12 - 17:07
Sampler		
N	0.002779066	0.002918806
NE	0.00581254	0.005155961
E	0.001586683	0.001647707
SE	0.000973255	0.001302691
S	0.00018836	0.000441243
SW	0.000189175	0.00014264
W	0.000191351	0.00014217
NW	0.001160127	0.001108916

* indicates the PUF tube contained visible moisture.

etolachlor)

				Air
3 1 & 2 12 - 24 9/9-10, 17:09 - 8:44	4 2 24 - 36 9/10, 8:47 - 17:03	5 2 & 3 36 - 48 9/10-11, 17:07 - 8:37	6 3 48 - 60 9/11, 8:39 - 17:03	7 3 & 4 60 - 72 9/11-12, 17:06 - 8:36
0.000358805	0.00036617	0.001025848	0.000452526	0.000450183
0.000418882	0.001277751	0.00132531	0.000711529	0.000369651
0.00015261	0.000792395	0.00062884	0.000618195	0.000171513
0.000208877	0.000747297	0.000668327	0.00061747	0.000372047
7.47024E-05	0.000161107	0.000439691	0.000366987	0.000551151
0.000295924	0.000167414	0.000380167	0.00057408	0.000856963
0.000397979	0.000170578	0.000326789	0.00093261	0.000658875
0.00075707	0.00031275	0.000770303	0.000714422	0.000811768

Concentrations ($\mu g/m^3$)				
8	9	10	11	12
4	4 & 5	5	5 & 6	6
72 - 84	84 - 96	96 - 108	108 - 120	120 - 132
9/12, 8:38 - 16:58	9/12-13, 17:01 - 8:35	9/13, 8:35 - 17:11	9/13-14, 17:16 - 8:39	9/14, 8:41 - 16:56
0.00023489	0.000271399	0.000347257	0.00027325	0.000380321
0.000316763	0.000335391	0.000376185	0.00033469	0.000446666
0.000261826	0.000213511	0.00028275	0.000274535	0.000388827
0.000422492	0.000238877	0.000404645	0.000455331	0.000644377
0.000434021	0.000448555	0.000894627	0.000530177	0.00052807
0.000432299	0.000724789	0.001284748	0.001094279	0.000616623
0.000462495	0.000349221	0.000474958	0.000374137	0.000456213
0.000391418	0.000306384	0.000515357	0.000390986	0.000470072

13*	14*	15*
6&7	7	7&8
132 - 144	144 - 156	156 - 168
9/14-15, 16:59 - 8:33	9/15, 8:35 - 17:02	9/15-16, 17:05 - 8:30
0.000437209	0.000286315	7.70276E-05
0.000438377	0.000257145	0.00014962
0.000290799	0.000184256	7.90305E-05
0.000658014	0.000288835	7.72181E-05
0.000567585	0.000255054	8.68915E-05
0.000742072	0.000722553	8.2019E-05
0.000486984	0.000770035	8.36635E-05
0.000806897	0.000801987	7.52091E-05

Note: Measured air concentrations should be corrected for low field spike recoveries <90 percent.

Chemical:	Dicamba DGA and S-metolachlor
MRID:	50958203
PC Code:	128931 (Dicamba DGA) and 108800 (S-metolachlor)
Plot:	Soybean
Guideline:	835.8100

Plot Soybean

Sampler	1			2			3
	Model	Measured		Model	Measured		Model
NN	3.39431	0.002779066	NN	3.812111667	0.002918806	NN	14.77148091
NE	5.77679	0.00581254	NE	8.815926667	0.005155961	NE	14.72010364
EE	1.431572	0.001586683	EE	4.365636667	0.001647707	EE	5.282912727
SE	0.979756	0.000973255	SE	3.386095	0.001302691	SE	2.65689
SS	0	0.00018836	SS	0	0.000441243	SS	0
SW	0	0.000189175	SW	0	0.00014264	SW	21.66645273
WW	0	0.000191351	WW	0	0.00014217	WW	30.82821727
NW	1.770032	0.001160127	NW	1.903708333	0.001108916	NW	33.09877909

	0.000931892	5.46887E-05	0.000535902	0.000114797	1.42556E-05
	6.47224E-05	0.000163472	6.88885E-05	0.000273828	3.61988E-06
	0.97187197	0.000347029	0.909797377	0.000552536	0.721044633
	207.3103503	6	60.51691275	6	15.50881719

	0.0009462	0	0.00055614	0	1.89489E-05
	4.53912E-05	#N/A	4.61616E-05	#N/A	2.43556E-06
	0.98414613	0.000324269	0.953991615	0.000518987	0.896341925
	434.5325787	7	145.1461783	7	60.52971233

slope	0.000931892	0.000535902	1.42556E-05
intercept	5.46887E-05	0.000114797	0.000113883
stderr (slope)	6.47224E-05	6.88885E-05	3.61988E-06
stderr (intercept)	0.000163472	0.000273828	6.99255E-05
DOF (slope w/ intercept)	6	6	6
slope w/ intercept sig?	Yes	Yes	Yes
intercept sig?	No	No	Yes
intercept < 25th %?	Yes	Yes	Yes
slope no intercept	0.0009462	0.00055614	1.89489E-05
stderr (slope no intercept)	4.53912E-05	4.61616E-05	2.43556E-06
DOF (slope no intercept)	7	7	7
slope no intercept sig?	Yes	Yes	Yes
flux	0.93189	0.53590	0.01426
reasoning	Slope	Slope	Slope
ratio method	0.96	0.58	0.02

Modeled air concentrations are not provided in the study report.

3		4			5			6
Measured		Model	Measured		Model	Measured		Model
0.000358805	NN	2.209105385	0.00036617	NN	37.29047273	0.001025848	NN	0.132629231
0.000418882	NE	5.992436154	0.001277751	NE	63.24500364	0.00132531	NE	3.332262308
0.00015261	EE	3.28012	0.000792395	EE	43.74726818	0.00062884	EE	3.413072308
0.000208877	SE	3.053872308	0.000747297	SE	20.79294818	0.000668327	SE	3.852261538
7.47024E-05	SS	0.381284615	0.000161107	SS	0	0.000439691	SS	1.336387692
0.000295924	SW	0.786684615	0.000167414	SW	16.29235727	0.000380167	SW	2.640694615
0.000397979	WW	0.418426154	0.000170578	WW	33.17255909	0.000326789	WW	1.255288462
0.00075707	NW	2.08675	0.00031275	NW	53.29602364	0.000770303	NW	1.035681538
0.000113883		0.000209115	2.34698E-05		1.18434E-05	0.000299147		1.8495E-05
6.99255E-05		1.96604E-05	5.65422E-05		4.73283E-06	0.000182866		5.14245E-05
0.000119692		0.9496358	9.77579E-05		0.510682629	0.000258187		0.021103512
6		113.1322405	6		6.261980372	6		0.129350831
0		0.000215573	0		1.85522E-05	0		0.000221074
#N/A		1.1285E-05	#N/A		2.63021E-06	#N/A		5.18704E-05
0.000133071		0.981178406	9.17965E-05		0.876655687	0.00028744		0.72183626
7		364.913248	7		49.75170431	7		18.16503405
		0.000209115			1.18434E-05			1.8495E-05
		2.34698E-05			0.000299147			0.000584179
		1.96604E-05			4.73283E-06			5.14245E-05
		5.65422E-05			0.000182866			0.000127293
		6			6			6
		Yes			Yes			No
		No			Yes			Yes
		Yes			Yes			No
		0.000215573			1.85522E-05			0.000221074
		1.1285E-05			2.63021E-06			5.18704E-05
		7			7			7
		Yes			Yes			Yes
		0.20911			0.01184			0.22107
		Slope			Slope			Slope, no intercept
		0.22			0.02			0.29

					Air Concentrations During Sampling Periods (μg/m^3)			
		7			8			9
Measured		Model	Measured		Model	Measured		Model
0.000452526	NN	22.92493364	0.000450183	NN	0.624123846	0.00023489	NN	0
0.000711529	NE	13.09928273	0.000369651	NE	0.595033077	0.000316763	NE	0
0.000618195	EE	0	0.000171513	EE	0.049703077	0.000261826	EE	0
0.00061747	SE	17.50354727	0.000372047	SE	2.600813077	0.000422492	SE	5.821377273
0.000366987	SS	39.84143182	0.000551151	SS	3.371354615	0.000434021	SS	20.06269818
0.00057408	SW	53.80359636	0.000856963	SW	4.23207	0.000432299	SW	39.91838818
0.00093261	WW	21.13561909	0.000658875	WW	2.154336923	0.000462495	WW	14.78176182
0.000714422	NW	26.95539818	0.000811768	NW	2.638593846	0.000391418	NW	5.725664545

LINEST Excel Function Output (Slope w/ Intercept)

0.000584179	1.1625E-05	0.000246527	4.94956E-05	0.000268888	1.117E-05
0.000127293	3.42299E-06	9.87562E-05	1.27816E-05	3.14353E-05	1.57313E-06
0.000184702	0.657803897	0.000148929	0.714225932	5.00234E-05	0.893649609
6	11.53380575	6	14.9956069	6	50.41728216

LINEST Excel Function Output (Slope No Intercept)

0	1.8854E-05	0	0.000139881	0	2.02698E-05
#N/A	2.41251E-06	#N/A	2.41833E-05	#N/A	4.29012E-06
0.00036316	0.897173022	0.000196867	0.826976561	0.000168226	0.761281752
7	61.07552001	7	33.45694642	7	22.32327156

CALDPR Flux Back-Calculation Summary

1.1625E-05	4.94956E-05	1.117E-05
0.000246527	0.000268888	0.000240506
3.42299E-06	1.27816E-05	1.57313E-06
9.87562E-05	3.14353E-05	2.65642E-05
6	6	6
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
1.8854E-05	0.000139881	2.02698E-05
2.41251E-06	2.41833E-05	4.29012E-06
7	7	7
Yes	Yes	Yes
0.01162	0.04950	0.01117
Slope	Slope	Slope
0.02	0.18	0.03

9		10			11			1
Measured		Model	Measured		Model	Measured		Model
0.000271399	NN	0	0.000347257	NN	4.655901818	0.00027325	NN	0
0.000335391	NE	0	0.000376185	NE	7.5143	0.00033469	NE	0.001293077
0.000213511	EE	0	0.00028275	EE	17.45302909	0.000274535	EE	0.020662308
0.000238877	SE	1.123019231	0.000404645	SE	26.97490273	0.000455331	SE	4.194323077
0.000448555	SS	3.265316154	0.000894627	SS	18.25795364	0.000530177	SS	5.81512
0.000724789	SW	5.369033846	0.001284748	SW	21.65483636	0.001094279	SW	6.347448462
0.000349221	WW	0.856054615	0.000474958	WW	8.757133636	0.000374137	WW	0.619231538
0.000306384	NW	0.511809231	0.000515357	NW	16.02508364	0.000390986	NW	0.436296154
0.000240506		0.00017409	0.000330467		1.78458E-05	0.000195352		2.97824E-05
2.65642E-05		1.35557E-05	3.09655E-05		1.23798E-05	0.000207439		7.60549E-06
5.78001E-05		0.964898268	6.94833E-05		0.257239874	0.000249805		0.718763148
6		164.9317378	6		2.077978056	6		15.33433068
0		0.000262162	0		2.83948E-05	0		0.000110366
#N/A		4.4507E-05	#N/A		5.22807E-06	#N/A		3.68021E-05
0.000204903		0.832118859	0.000287561		0.808208995	0.000247778		0.562319488
7		34.69616638	7		29.49806212	7		8.993401129
		0.00017409			1.78458E-05			2.97824E-05
		0.000330467			0.000195352			0.000426491
		1.35557E-05			1.23798E-05			7.60549E-06
		3.09655E-05			0.000207439			2.58296E-05
		6			6			6
		Yes			Yes			Yes
		Yes			No			Yes
		Yes			Yes			Yes
		0.000262162			2.83948E-05			0.000110366
		4.4507E-05			5.22807E-06			3.68021E-05
		7			7			7
		Yes			Yes			Yes
		0.17409			0.01785			0.02978
		Slope			Slope			Slope
		0.41			0.03			0.23

2		13			14		
Measured		Model	Measured		Model	Measured	
0.000380321	NN	0.066551818	0.000437209	NN	0.62067	0.000286315	NN
0.000446666	NE	19.37853818	0.000438377	NE	1.45171	0.000257145	NE
0.000388827	EE	26.86824455	0.000290799	EE	1.177240769	0.000184256	EE
0.000644377	SE	61.33816455	0.000658014	SE	4.478588462	0.000288835	SE
0.00052807	SS	86.14888273	0.000567585	SS	4.211866923	0.000255054	SS
0.000616623	SW	72.35806455	0.000742072	SW	4.430413846	0.000722553	SW
0.000456213	WW	11.05667273	0.000486984	WW	1.078227692	0.000770035	WW
0.000470072	NW	10.74864818	0.000806897	NW	1.56455	0.000801987	NW
0.000426491		1.88948E-06	0.000485479		-2.71786E-06	0.000452232	
2.58296E-05		2.04115E-06	9.6159E-05		6.4923E-05	0.000184938	
5.60322E-05		0.124969726	0.000175462		0.000291998	0.000288357	
6		0.856905612	6		0.001752497	6	
0		9.76339E-06	0		0.000129738	0	
#N/A		2.79292E-06	#N/A		4.68197E-05	#N/A	
0.000353515		0.635802749	0.00037215		0.523113532	0.000377226	
7		12.22035375	7		7.678546074	7	
		1.88948E-06			-2.71786E-06		
		0.000485479			0.000452232		
		2.04115E-06			6.4923E-05		
		9.6159E-05			0.000184938		
		6			6		
		No			No		
		Yes			Yes		
		No			No		
		9.76339E-06			0.000129738		
		2.79292E-06			4.68197E-05		
		7			7		
		Yes			Yes		
		0.00976			0.12974		
		Slope, no intercept			Slope, no intercept		
		0.02			0.19		

15	
Model	Measured
11.61737636	7.70276E-05
6.380140909	0.00014962
0	7.90305E-05
4.684474545	7.72181E-05
10.07356273	8.68915E-05
27.10350818	8.2019E-05
30.36102182	8.36635E-05
29.88503364	7.52091E-05

-5.47424E-07	9.70535E-05
8.00016E-07	1.50963E-05
0.072387868	2.58672E-05
0.46822071	6

3.54463E-06	0
1.26026E-06	#N/A
0.530542014	6.7263E-05
7.910812496	7

-5.47424E-07
9.70535E-05
8.00016E-07
1.50963E-05
6
No
Yes
No
3.54463E-06
1.26026E-06
7
Yes

0.00
Slope, no intercept

0.01