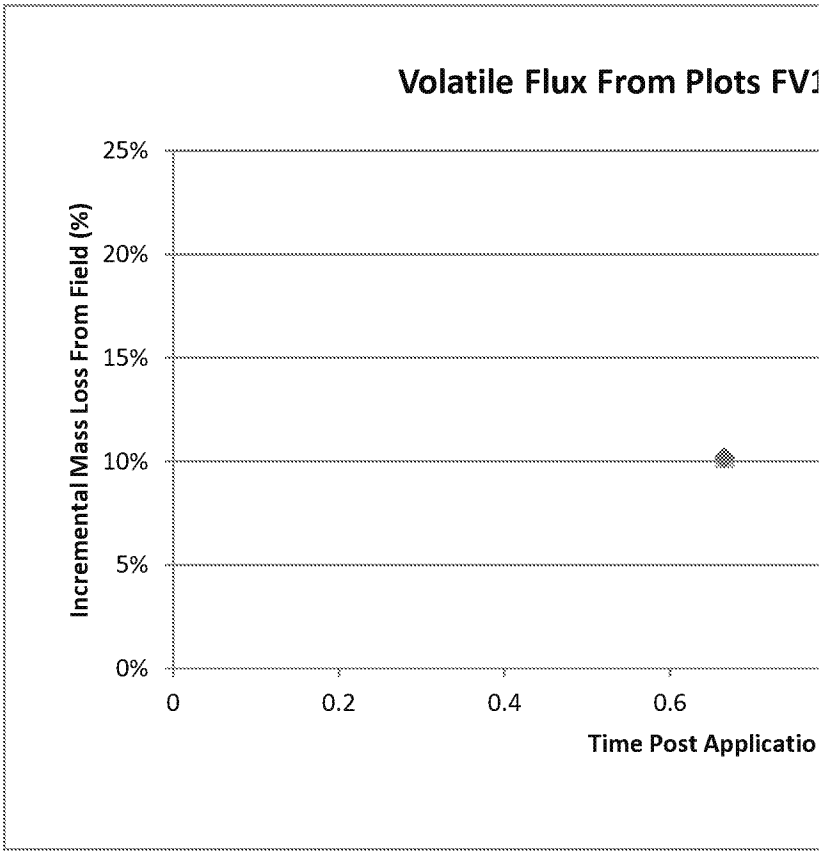
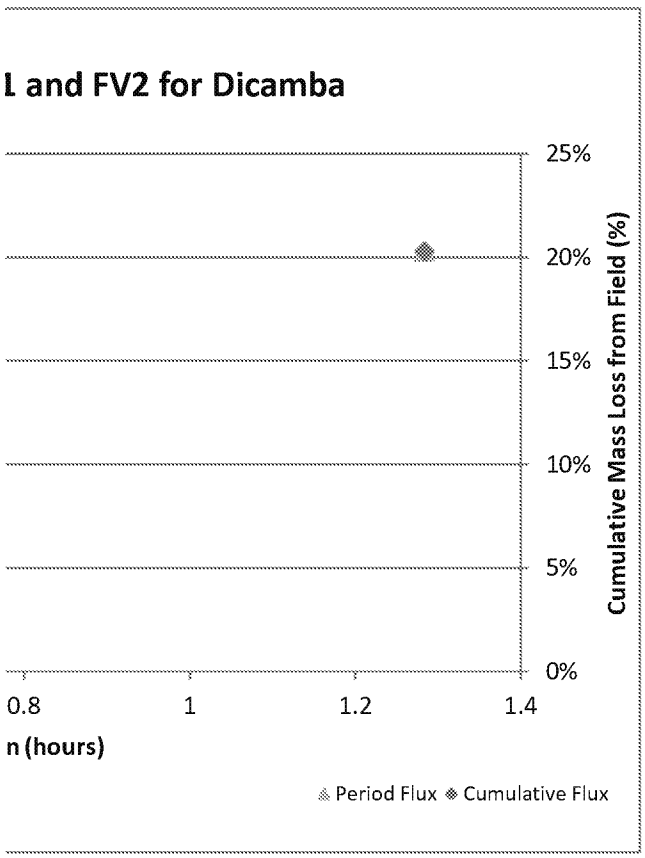
Chemical:	dicamba (DGA)
MRID:	50102118
PC Code:	128931
Plot:	FVI and FV2
Guideline:	835.8100

Application Rate (lbs. a.i./A) 0.5

Period	Date/Time	Sampling Period (hrs.)	Time Post Application (hrs.)
0	07/12/16, 08:44 - 09:24	0.67	0.666666667
0	07/14/16, 10:25 - 11:02	0.62	1.283333333



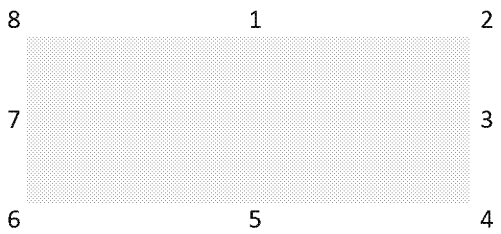
Flux (ng/m^2·s)	Period % of Applied	Cumulative % of Applied	Reasoning
2.38	0.10	0.10	Slope
5.12	0.20	0.20	Slope



Field 1	x	y		
DISCCART	611003.01	4529459.48	0	1.5
DISCCART	611110.43	4529456.46	0	1.5
DISCCART	611114.77	4529351.86	0	1.5
DISCCART	611113.65	4529247.75	0	1.5
DISCCART	611007.15	4529244.98	0	1.5
DISCCART	610902.04	4529248.45	0	1.5
DISCCART	610897.11	4529352.64	0	1.5
DISCCART	610898.24	4529456.74	0	1.5
	610908.91	4529255.45		

	x	y
1	611006.41	4529460.55
2	611111.08	4529457.62
3	611114.01	4529353
4	611111.08	4529248.38
5	611006.46	4529245.45
6	610901.84	4529248.38
7	610898.91	4529353
8	610901.84	4529457.62

Field 2	
DISCCART	611012.84
DISCCART	611118.22
DISCCART	611122.68
DISCCART	611121.56
DISCCART	611017.81
DISCCART	610911.12
DISCCART	610906.99
DISCCART	610908.08
	610918.13



				x	y
4528973.98	0	1.5	1	611015.68	4528974.91
4528970.55	0	1.5	2	611120.3	4528971.98
4528866.22	0	1.5	3	611123.23	4528867.36
4528762.41	0	1.5	4	611120.3	4528762.74
4528759.24	0	1.5	5	611015.68	4528759.81
4528762.87	0	1.5	6	610911.06	4528762.74
4528867.05	0	1.5	7	610908.13	4528867.36
4528971.13	0	1.5	8	610911.06	4528971.98

4528769.81

Plot [#]			
Sample Periods	0	[#]	[#]
Day	0	[#]	[#]
Hours	0 - #	# - #	# - #
DTG	MM/DD, ##:## - ##:##	MM/DD, ##:## - ##:##	MM/DD, ##:## - ##:##
Fortification Level (µg)			**Percent Re**
[#]	[#]	[#]	[#]
[#]	[#]	[#]	[#]
[#]	[#]	[#]	[#]
[#]	[#]	[#]	[#]

[#]	[#]	n
[#]	[#]	n
# - #	# - #	# - n
MM/DD, ##.## - ##.##	MM/DD, ##.## - ##.##	MM/DD, ##.## - ##.##
ecovery (%)		
[#]	[#]	[#]
[#]	[#]	[#]
[#]	[#]	[#]
[#]	[#]	[#]

Chemical:	dicamba Raw Air Conc.		
MRID:	50102118		
PC Code:	128931		
Plot:	1 and 2		
Guideline:	835.8100		
	[TEST SUBSTANCE] CONCENTRATION IN AIR TUBES (µg/m3)		
Time Period Following Application	**Sample ID**	**Measured Concentration (µg)**	**Sample ID (Back-Half)**
HR 0 - HR 1 Field 1	1	<LOD	[#]
	2	<LOD	[#]
	3	<LOD	[#]
	4	<LOD	[#]
	5	1.805	[#]
	6	6.692	[#]
	7	2.396	[#]
	8	<LOD	[#]
HR 0 - HR 1 Field 2	1	<LOD	[#]
	2	<LOD	[#]
	3	<LOD	[#]
	4	3.902	[#]
	5	10.664	[#]
	6	0.898	[#]
	7	<LOD	[#]
	8	<LOD	[#]
			40.98

		Raw Air Conc.					
Applicable for specific sampling methods							

Measured Concentration (Back-Half) (µg)	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 (µg/m^3)	Measured Air Concentration (Back-Half) (µg/m^3)
[#]	8:44	9:24	3.006	3.007	40		#VALUE!
[#]	8:44	9:24	3.010	3.058	40		#VALUE!
[#]	8:44	9:24	3.025	3.066	40		#VALUE!
[#]	8:44	9:24	3.006	3.051	40		#VALUE!
[#]	8:44	9:24	3.010	3.054	40	14.8813	#VALUE!
[#]	8:44	9:24	3.013	3.061	40	55.0905	#VALUE!
[#]	8:44	9:24	3.012	3.035	40	19.8131	#VALUE!
[#]	8:44	9:24	3.018	3.076	40		#VALUE!
[#]	10:25	11:02	3.014	2.964	37		#VALUE!
[#]	10:25	11:02	3.002	2.952	37		#VALUE!
[#]	10:25	11:02	3.011	3.009	37		#VALUE!
[#]	10:25	11:02	3.020	2.989	37	35.1032	#VALUE!
[#]	10:25	11:02	3.005	3.002	37	95.9583	#VALUE!
[#]	10:25	11:02	3.010	3.029	37	8.0369	#VALUE!
[#]	10:25	11:02	3.016	2.993	37		#VALUE!
[#]	10:25	11:02	3.005	2.998	37		#VALUE!

Raw Air Conc.

Percent of Front-Half Concentration	**Measured Air Concentration (Total) ($\mu g/m^3$)**
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	14.8813
#VALUE!	55.0905
#VALUE!	19.8131
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	
#VALUE!	35.1032
#VALUE!	95.9583
#VALUE!	8.0369
#VALUE!	
#VALUE!	

ISCST3 Meteorological Input File

Field 1

16	7	12	9	205.3	0.956	293.2	4	300.0	300.0
16	7	12	10	211.8	0.7958	293.3	2	300.0	300.0
16	7	12	11	217.9	0.8128	293.6	2	300.0	300.0
16	7	12	12	205.5	0.6763	294.4	2	300.0	300.0
16	7	12	13	194.3	0.8265	294.5	2	300.0	300.0
16	7	12	14	195	1.084	294.7	2	300.0	300.0
16	7	12	15	195.3	1.3965	294.8	2	300.0	300.0
16	7	12	16	197.3	1.7788	294.5	2	300.0	300.0
16	7	12	17	195.7	2.0303	294.4	4	300.0	300.0
16	7	12	18	202.4	1.8545	293.9	4	300.0	300.0
16	7	12	19	206.4	1.8163	293.5	4	300.0	300.0
16	7	12	20	209	2.0182	293.4	4	300.0	300.0
16	7	12	21	211.6	1.6133	293.4	4	300.0	300.0
16	7	12	22	222.3	1.276	293.3	4	300.0	300.0
16	7	12	23	231.4	1.4733	293.4	4	300.0	300.0
16	7	12	24	226.4	1.6037	293.4	4	300.0	300.0
16	7	13	1	223.3	0.9912	293.8	2	300.0	300.0
16	7	13	2	218.3	0.9572	294	2	300.0	300.0
16	7	13	3	209	1.0203	294.1	2	300.0	300.0
16	7	13	4	199.9	1.102	294	2	300.0	300.0
16	7	13	5	197.4	1.0172	294.6	2	300.0	300.0
16	7	13	6	196.8	1.4623	295.1	2	300.0	300.0
16	7	13	7	200.7	0.9905	295.1	2	300.0	300.0
16	7	13	8	219	1.2923	295.3	2	300.0	300.0
16	7	13	9	225.2	1.5808	295.3	2	300.0	300.0
16	7	13	10	213.2	1.3452	295	2	300.0	300.0
16	7	13	11	233.8	1.3607	294.8	2	300.0	300.0
16	7	13	12	207.1	1.892	294.6	2	300.0	300.0
16	7	13	13	202.1	1.7127	294.3	2	300.0	300.0
16	7	13	14	205.4	1.4803	294.2	2	300.0	300.0
16	7	13	15	203.7	1.7325	294.2	2	300.0	300.0
16	7	13	16	212.3	1.7622	294.5	2	300.0	300.0
16	7	13	17	207.2	1.617	295.1	2	300.0	300.0
16	7	13	18	207.9	1.4255	295.4	2	300.0	300.0
16	7	13	19	210.7	1.794	295.1	2	300.0	300.0
16	7	13	20	213.3	1.8123	295.1	2	300.0	300.0
16	7	13	21	212.5	1.6065	295.3	2	300.0	300.0
16	7	13	22	220.3	1.5847	295.1	1	300.0	300.0
16	7	13	23	206	1.4942	295	2	300.0	300.0
16	7	13	24	214.7	1.6413	294.8	2	300.0	300.0
16	7	14	1	210.5	1.5633	295	2	300.0	300.0

Field 2

16	7	14	11	136.9	2.2998	296.7	3	300.0	300.0
16	7	14	12	144.8	3.0435	296.6	3	300.0	300.0
16	7	14	13	145	2.9515	296.7	3	300.0	300.0
16	7	14	14	140.5	2.7163	296.7	3	300.0	300.0

16	7	14	15	132.9	2.4988	296.6	3	300.0	300.0
16	7	14	16	140.2	2.202	296.6	3	300.0	300.0
16	7	14	17	134.2	2.128	296.7	3	300.0	300.0
16	7	14	18	140.8	1.5372	296.8	2	300.0	300.0
16	7	14	19	135.8	1.5485	296.7	2	300.0	300.0
16	7	14	20	137.2	1.6265	296.7	2	300.0	300.0
16	7	14	21	136.9	1.772	296.8	2	300.0	300.0
16	7	14	22	144	1.8497	296.6	2	300.0	300.0
16	7	14	23	132.9	1.8692	296.6	2	300.0	300.0
16	7	14	24	133.6	2.219	296.3	3	300.0	300.0
16	7	15	1	134.8	2.5013	296.3	3	300.0	300.0
16	7	15	2	136.1	2.476	296.3	3	300.0	300.0
16	7	15	3	141.4	1.9943	296.4	2	300.0	300.0
16	7	15	4	146.1	2.1007	296.6	3	300.0	300.0
16	7	15	5	145	2.2035	296.7	3	300.0	300.0
16	7	15	6	139.1	1.5093	296.8	2	300.0	300.0
16	7	15	7	137.9	2.0743	296.9	3	300.0	300.0
16	7	15	8	129	1.7883	296.9	2	300.0	300.0
16	7	15	9	129.3	1.6133	296.9	2	300.0	300.0
16	7	15	10	128.7	1.3735	296.8	2	300.0	300.0
16	7	15	11	132.9	1.3952	296.9	2	300.0	300.0
16	7	15	12	132.1	1.9358	296.9	2	300.0	300.0
16	7	15	13	131.8	1.7722	296.9	2	300.0	300.0
16	7	15	14	154	1.8902	297.2	1	300.0	300.0
16	7	15	15	158.9	2.5435	297.7	2	300.0	300.0
16	7	15	16	156.5	2.2998	297.9	2	300.0	300.0
16	7	15	17	149.8	2.2297	298.1	3	300.0	300.0
16	7	15	18	161.8	1.9103	298.1	2	300.0	300.0
16	7	15	19	169.8	2.6903	297.8	3	300.0	300.0
16	7	15	20	171.5	2.0688	297.8	3	300.0	300.0
16	7	15	21	158.6	2.1518	297.7	3	300.0	300.0
16	7	15	22	168.8	2.8692	297.6	3	300.0	300.0
16	7	15	23	170.9	2.6967	297.4	3	300.0	300.0
16	7	15	24	163.3	2.436	297.4	3	300.0	300.0

Plot	FV1		FV2	
	Air Concentrations During Sampling Periods ($\mu g/m^3$)			
Sampler	1		2	
	Model	Measured	Model	Measured
1	0	0	0	0
2	0	0	0	0
3	0.0092	0	7.19616	0
4	0.03416	0	10.11811	35.10320105
5	14.61119	14.88126649	8.9468	95.9583189
6	15.20689	55.09054988	0.0239	8.036949021
7	8.60284	19.81313048	0.00251	0
8	0	0	0	0

LINEST Excel Function Output (Slope w/ Intercept)			
2.37845371	-0.212570329	5.119618043	0.564576509
0.613135513	4.937294821	2.179074672	11.79035156
0.714936198	11.20225396	0.479161965	26.49415427
15.04791968	6	5.519896012	6

LINEST Excel Function Output (Slope No Intercept)			
2.362691937	0	5.182986406	0
0.45542987	#N/A	1.603097728	#N/A
0.793592898	10.37287381	0.598922374	24.53350702
26.9135617	7	10.45298055	7

CALDPR Flux Back-Calculation Summary		
slope	2.37845371	5.119618043
intercept	-0.21257033	0.564576509
stderr (slope)	0.613135513	2.179074672
stderr (intercept)	4.937294821	11.79035156
DOF (slope w/ intercept)	6	6
slope w/ intercept sig?	Yes	Yes
intercept sig?	Yes	No
intercept < 25th %?	Yes	No
slope no intercept	2.362691937	5.182986406
stderr (slope no intercept)	0.45542987	1.603097728
DOF (slope no intercept)	7	7
slope no intercept sig?	Yes	Yes
flux	2.38	5.12
reasoning	Slope	Slope