Chemical:
MRID:
PC Code:
Plot:
Guideline:

Calculation of sampling period times
Application start time:
Area of field (acres):
Application rate (lbs/acre):
Applied dicamba (kg):

Indirect Method Sampling Periods

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

Data from Appendix D, Table 3, pp. 552-554 of the study report.

Central Mast (Integrated Horizontal Flux Method and Aerodynamic Method) Sampling Periods

Period
1
2
3
4
5
6
7
8
9

Dicamba
51049003
100094
Soybean
835.8100

6/22/2019 9:06	(Appendix B, Table 1, p. 121 of the study report)
22.5	(Appendix B, p. 100 of the study report)
0.5	(p. 18 of the study report)
5.103	(calculated)

Start Time	End Time	Duration (hours)	Start time after application (hours)
6/22/2019 9:41	6/22/2019 20:25	10.73	0.58
6/22/2019 19:44	6/23/2019 9:21	13.62	10.63
6/23/2019 8:45	6/24/2019 20:23	35.63	23.65
6/24/2019 19:15	6/25/2019 10:06	14.85	58.15
6/25/2019 8:46	6/25/2019 19:55	11.15	71.67
6/25/2019 19:08	6/26/2019 8:44	13.60	82.03
6/26/2019 7:54	6/26/2019 19:13	11.32	94.80
6/26/2019 18:23	6/27/2019 9:13	14.83	105.28
6/27/2019 7:53	6/27/2019 19:28	11.58	118.78
6/27/2019 18:21	6/28/2019 8:42	14.35	129.25
6/28/2019 7:48	6/28/2019 19:43	11.92	142.70
6/28/2019 18:31	6/29/2019 8:30	13.98	153.42

Start Time	End Time	Duration (hours)	Start time after application (hours)
6/22/2019 10:20	6/22/2019 19:47	9.45	1.23
6/22/2019 19:48	6/23/2019 8:53	13.08	10.70
6/23/2019 8:59	6/24/2019 15:02	30.05	23.88
6/24/2019 15:04	6/25/2019 9:29	18.42	53.97
6/25/2019 8:48	6/25/2019 19:11	10.38	71.70
6/25/2019 19:16	6/26/2019 8:03	12.78	82.17
6/26/2019 8:07	6/26/2019 18:22	10.25	95.02
6/26/2019 18:25	6/27/2019 7:56	13.52	105.32
6/27/2019 7:57	6/27/2019 18:26	10.48	118.85

End time after application (hours)
11.32
24.25
59.28
73.00
82.82
95.63
106.12
120.12
130.37
143.60
154.62
167.40

End time after application (hours)
10.68
23.78
53.93
72.38
82.08
94.95
105.27
118.83
129.33

10
11
12

Data from Appendix D, Table 2, pp. 549-551 of the study report.

6/27/2019 18:29	6/28/2019 7:55	13.43	129.38
6/28/2019 7:59	6/28/2019 18:05	10.10	142.88
6/28/2019 18:08	6/29/2019 7:47	13.65	153.03

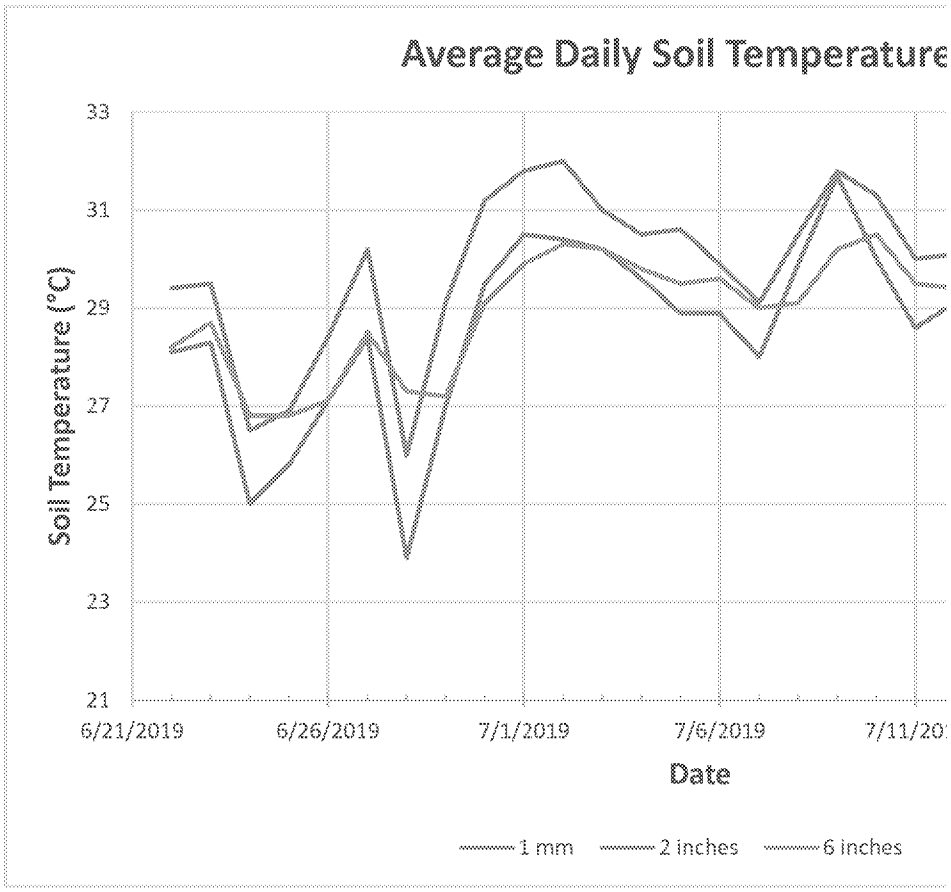
142.82
152.98
166.68

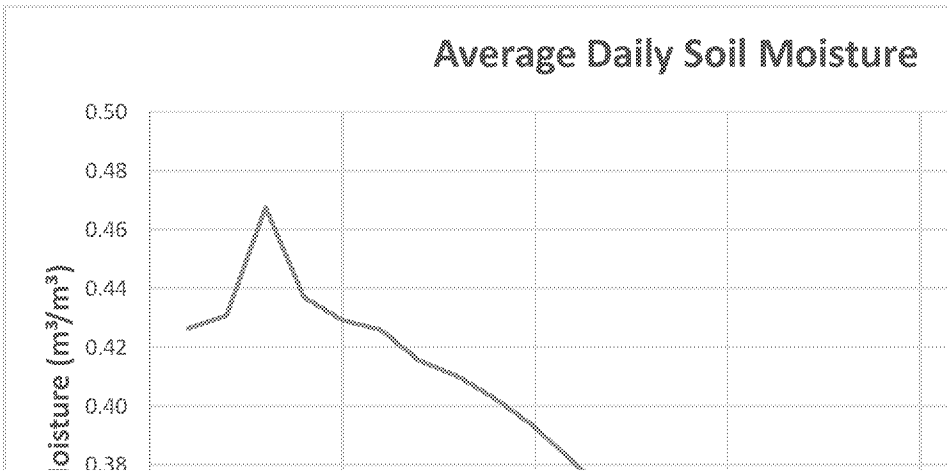
Chemical:	Dicamba
MRID:	51049003
PC Code:	100094
Plot:	Soybean
Guideline:	835.8100

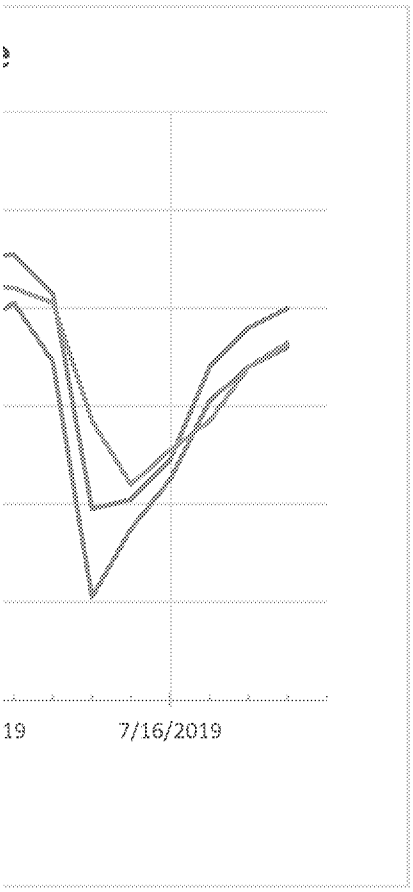
Data are average daily data from Appendix B, Table 13, pp. 136-137 of the study report.

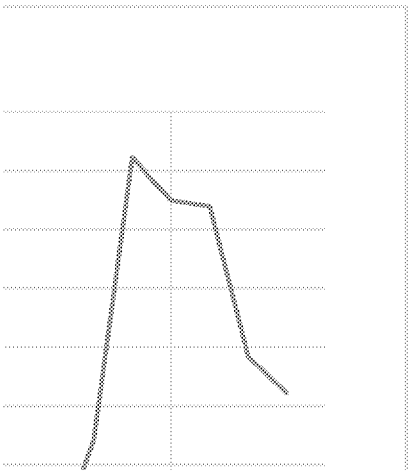
Date	Soil Temp at 1 mm (°C)	Soil Temp at 2 in (°C)
6/22/2019	28.1	29.4
6/23/2019	28.3	29.5
6/24/2019	25.0	26.5
6/25/2019	25.8	26.9
6/26/2019	27.1	28.4
6/27/2019	28.4	30.2
6/28/2019	23.9	26.0
6/29/2019	27.0	29.1
6/30/2019	29.5	31.2
7/1/2019	30.5	31.8
7/2/2019	30.4	32.0
7/3/2019	30.2	31.0
7/4/2019	29.6	30.5
7/5/2019	28.9	30.6
7/6/2019	28.9	29.9
7/7/2019	28.0	29.1
7/8/2019	29.9	30.5
7/9/2019	31.7	31.8
7/10/2019	30.0	31.3
7/11/2019	28.6	30.0
7/12/2019	29.1	30.1
7/13/2019	27.9	29.3
7/14/2019	23.1	24.9
7/15/2019	24.5	25.1
7/16/2019	25.5	25.9
7/17/2019	27.1	27.8
7/18/2019	27.8	28.6
7/19/2019	28.2	29.0

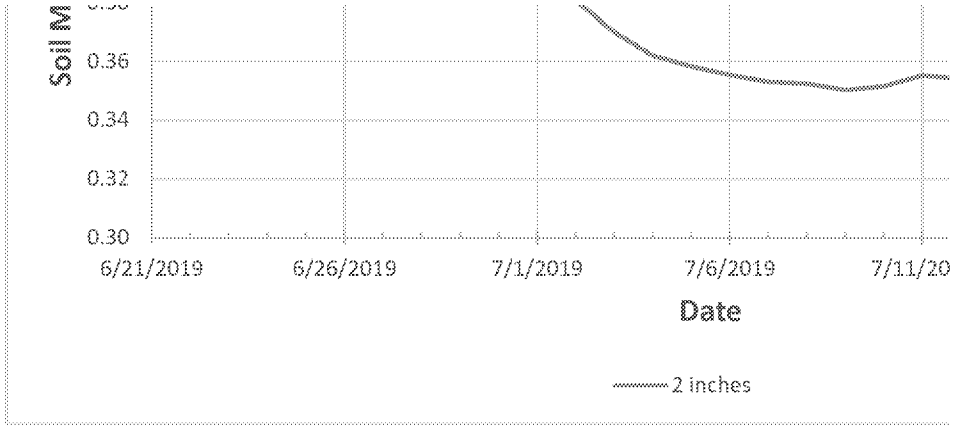
Soil Temp at 6 in (°C)	Soil Moist at 2 in (m^3/m^3)
28.2	0.4264
28.7	0.4308
26.8	0.4675
26.8	0.4370
27.1	0.4292
28.5	0.4259
27.3	0.4155
27.2	0.4101
29.1	0.4021
29.9	0.3928
30.3	0.3808
30.2	0.3700
29.8	0.3619
29.5	0.3582
29.6	0.3555
29.0	0.3529
29.1	0.3524
30.2	0.3502
30.5	0.3514
29.5	0.3552
29.4	0.3540
29.1	0.3516
26.7	0.3886
25.4	0.4845
26.1	0.4700
26.7	0.4679
27.8	0.4169
28.3	0.4044

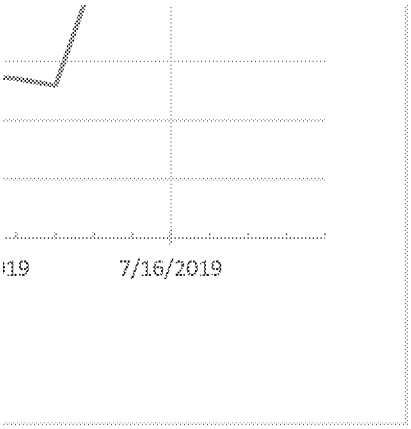




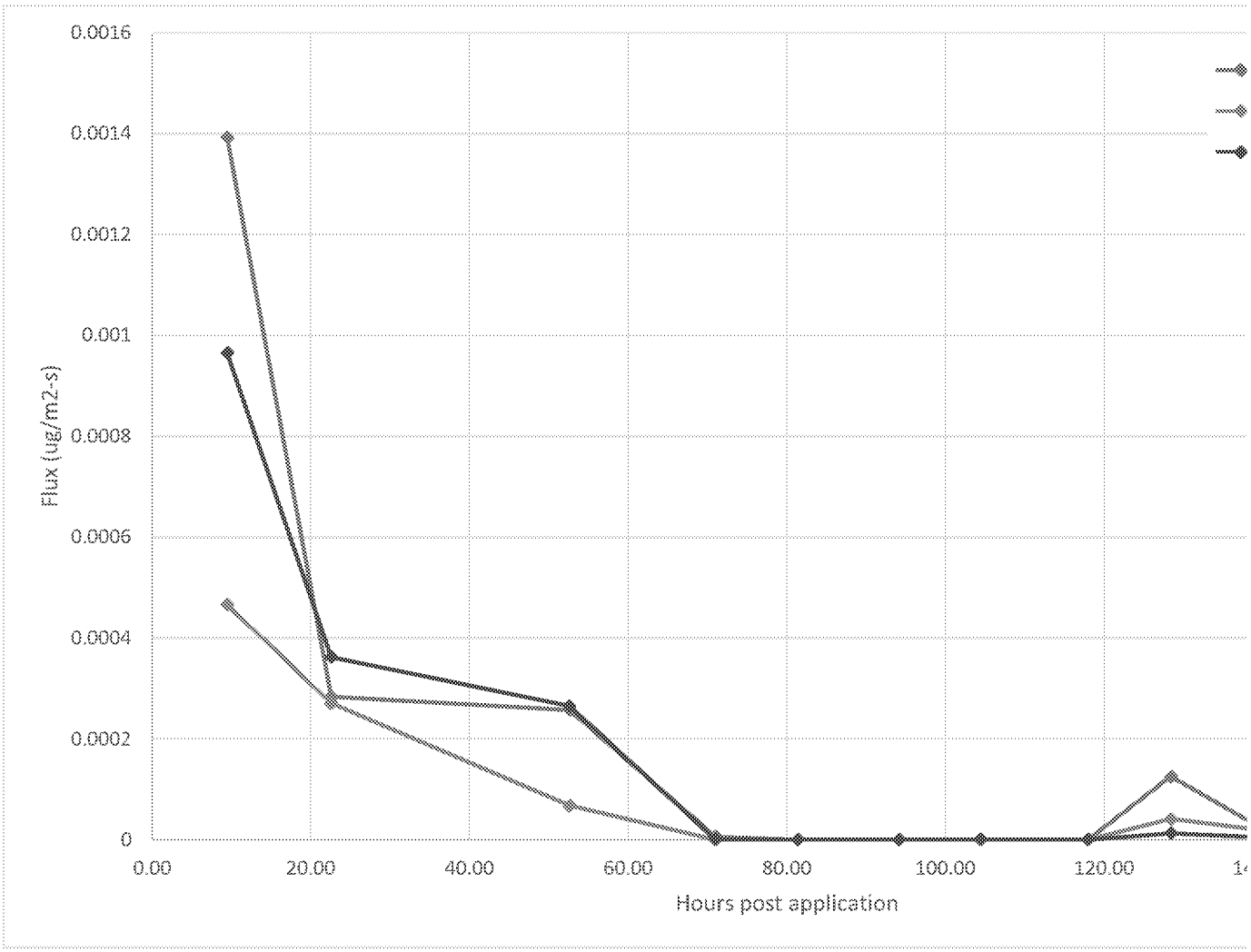

19
7/16/2019

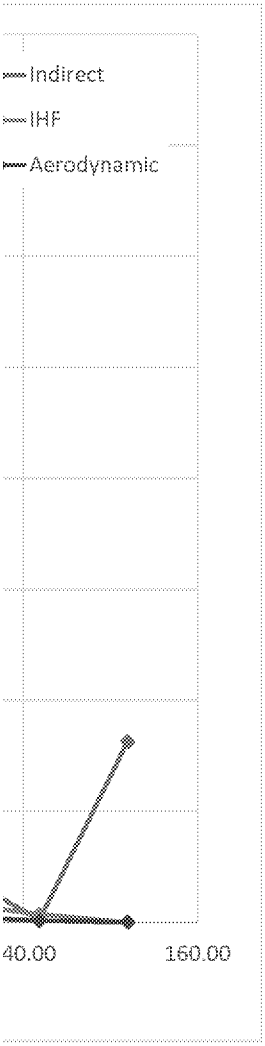



Soil M
0.36
0.34
0.32
0.30
6/21/2019
6/26/2019
7/1/2019
7/6/2019
7/11/20
Date
2 inches


19
7/16/2019

Period	Sampling Period (hrs.)	Hours after app	Indirect Flux (mg/m2·s)	IHF Flux (mg/m2·s)	Aerodynamic Flux (mg/m2·s)
1	9.45	9.45	0.00139221	0.000466	0.000964932
2	13.08	22.53	0.000283415	0.000270	0.000362129
3	30.05	52.58	0.000257088	0.000068	0.00026489
4	18.42	71.00	6.1025E-06	0	0
5	10.38	81.38	0	0	0
6	12.78	94.17	0	0	0
7	10.25	104.42	0	0	0
8	13.52	117.93	0	0	0
9	10.48	128.42	0.000125509	0.000041	1.30944E-05
10	13.43	141.85	4.64219E-06	0.000014	3.14124E-06
11	10.10	151.95	0.000325082	0.000000	0


0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
Flux (ug/m2-s)
0.00
20.00
40.00
60.00
80.00
100.00
120.00
Hours post application


Indirect
IHF
Aerodynamic
40.00
160.00