

2011 SUGAR BEET ROOT MAGGOT FLY MONITORING READINGS

NOTE: When the collective total of the readings for any site reaches 40-45 flies, the economic threshold has been reached for requiring treatment with a suitable insecticide for control. Treatment 10 days ahead of peak (or 45 fly accumulation) is desirable for most areas where heavy population has been the history. Peak flight historically occurs the 2nd of June. However, the past two years this has been later, closer to the end of the first week in June for some sites and later even for others. It has been very scattered due to the slow colder weather and temperatures which slows the development of the flies from pupal stage. Therefore the application of insecticides like Mustang and Asana which target mature flies should begin when they are first sighted. Granular applications of Counter, Thimet, etc. should be targeted soon after and watered in to activate movement of the insecticide off the granules as soon as eggs begin to appear around the base of the beet plants.

Site No.	Location in	27-May	31-May	2-Jun	4-Jun	6-Jun	8-Jun	10-Jun	13-Jun	Collective Total
	Minidoka Co.	2011								
1	825 W 100 N	1.0	1.3	0.3	0.0	1.7	0.3	0.0	1.0	5.7
2	1050 W 300 N	5.0	2.7	1.0	1.0	4.3	0.3	0.3	1.3	16.0
3	850 W 500 N	9.0	0.3	0.7	0.3	3.3	1.7	1.7	1.7	18.7
4	400 W 900 N	12.3	0.3	0.3	0.0	3.7	1.3	1.3	1.0	20.3
5	550 W 1300 N	10.0	1.7	2.0	2.0	20.3	23.7	12.3	4.0	76.0
6	100 W 1300 N	3.7	0.7	0.0	0.3	2.7	2.0	0.3	0.3	10.0
7	100 E 1350 N	0.7	0.3	1.3	1.0	1.7	3.3	2.0	3.3	13.7
9	450 E 1200 N	19.0	1.7	0.0	0.0	3.3	3.3	1.7	0.3	29.3
10	800 E 1150 N	0.3	0.3	0.3	0.0	1.7	0.0	0.3	0.3	3.3
11	775 E 900 N	8.7	1.0	1.0	0.3	3.3	0.3	1.0	0.0	15.7
12	450 E 700 N	12.0	1.0	1.7	0.0	8.0	1.7	2.7	2.0	29.0
13	Meridian 750 N	2.7	1.0	1.3	0.7	4.3	0.3	3.3	1.0	14.7
14										
15										
16										
17										
18										
19										
20										
Average of all sites										21.0

Averages

Due to the slow accumulation of numbers and the very low final counts in Cassia Co. last year no route is being conducted there this year. Please consult with your fieldman regarding root maggot conditions and possible need for treatment. The lowering of count in Cassia Co. is a result of many factors not the least of which is the attention to timely control which has been conducted the past number of years. The other major contributing factors are fewer acres being rotated in the county and the greater distances between last years beet field and this years as well as the colder springs and slower emergence of the adult flies which has coincided with control measures in a favorable way.

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Site No.	Location in	Total	15-Jun	17-Jun	20-Jun	22-Jun	24-Jun	27-Jun	30-Jun	Collective Total
	Minidoka Co.	forward								
1	825 W 100 N	5.7	0.3	0.3	0.3	0.0	2.3	1.3	1.7	12.0
2	1050 W 300 N	16.0	0.7	0.7	3.3	4.0	4.3	4.7	3.0	36.7
3	850 W 500 N	18.7	0.3	0.0	1.0	3.0	6.7	3.7	5.3	38.7
4	400 W 900 N	20.3	0.0	0.0	1.7	0.0	1.7	1.0	1.3	26.0
5	550 W 1300 N	76.0	3.7	0.3	3.3	11.3	17.7	12.3	38.7	163.3
6	100 W 1300 N	10.0	0.0	0.0	1.0	0.0	2.7	0.7	3.0	17.3
7	100 E 1350 N	13.7	2.0	1.0	1.7	2.7	3.3	1.3	2.0	27.7
9	450 E 1200 N	29.3	1.3	0.0	2.0	6.3	13.7	3.7	17.3	73.6
10	800 E 1150 N	3.3	0.0	0.0	1.7	4.0	5.0	0.0	8.0	22.0
11	775 E 900 N	15.7	0.3	0.0	0.7	1.3	1.7	3.7	0.7	24.0
12	450 E 700 N	29.0	1.0	1.7	0.7	3.0	4.7	3.0	2.7	45.7
13	Meridian 750 N	14.7	13.3	2.3	16.7	20.0	8.7	9.0	8.3	93.0
14										
15										
16										
17										
18										
19										
20										
									Average of all sites	48.3

Averages

Due to the slow accumulation of numbers and the very low final counts in Cassia Co. last year no route is being conducted there this year. Please consult with your fieldman regarding root maggot conditions and possible need for treatment. The lowering of count in Cassia Co. is a result of many factors not the least of which is the attention to timely control which has been conducted the past number of years. The other major contributing factors are fewer acres being rotated in the county and the greater distances between last years beet field and this years as well as the colder springs and slower emergence of the adult flies which has coincided with control measures in a favorable way.

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Site No.	Location in	Total	5-Jul	8-Jul	12-Jul	Collective Total
1	Minidoka Co. 825 W 100 N	forward 12.0	0.3	0.7	1.0	14.0
2	1050 W 300 N	36.7	4.7	4.7	5.3	51.4
3	850 W 500 N	38.7	9.0	12.7	14.3	74.7
4	400 W 900 N	26.0	3.0	0.3	2.0	31.3
5	550 W 1300 N	163.3	51.0	55.7	96.3	366.3
6	100 W 1300 N	17.3	7.3	10.3	9.0	44.0
7	100 E 1350 N	27.7	4.0	2.3	0.3	34.4
9	450 E 1200 N	73.6	28.7	30.3	22.7	155.3
10	800 E 1150 N	22.0	2.3	3.0	4.3	31.7
11	775 E 900 N	24.0	4.3	0.7	2.0	31.0
12	450 E 700 N	45.7	4.3	3.7	1.3	55.0
13	Meridian 750 N	93.0	16.3	7.3	6.0	122.7
14						
15						
16						
17						
18						
19						
20						
Average of all sites						84.3

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