

VOLUME 1

Title

**Spartan Mosquito Eradicator Pro Tech
EPA Reg. No. 93813-R
Mosquito Species Counts from Field Efficacy Evaluation Against Mosquitoes
Supplement to MRID No. 50904504**

Data Requirements

*Invertebrate Control Agent Product Performance Testing Guidelines
(OCSPP Guideline 810.3400)
Mosquito, Black Fly, and Biting Midge (Sand Fly) Treatments*

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Date Completed

December 16, 2019

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Study ID

AC2T-20191216-1

STATEMENT OF NO DATA CONFIDENTIALITY CLAIMS

No information is claimed confidential on the basis of its falling within the scope of FIFRA §10(d)(1)(A), (B) or (C).

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NOTICE

This report is the property of AC2T dba Spartan Mosquito and, as such, is considered to be confidential for all purposes other than compliance with FIFRA Section 10. Submission of this report in compliance with FIFRA does not constitute a waiver of any right to confidentiality that may exist under any other statute or in any other country.

GOOD LABORATORY PRACTICES STATEMENT

This study was not conducted in full compliance with Good Laboratory Practices as outlined in 40 CFR 160; however, the data reported herein were collected using sound scientific principles, trained staff persons, and robust procedures.

**Sponsor /
Submitter:**



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Date:

December 16, 2019

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Summary

At the December 4, 2019 meeting between Spartan Mosquito and Agency staff, it was discussed that additional information could be provided for the field efficacy studies enumerating the species of mosquitoes evaluated during the various field efficacy trials. Data presented in MRID No. 50904504 presents total mosquito counts but was not specific to species of mosquitoes collected (i.e. *Aedes*, *Culex*, *Anopheles*). This supplemental data volume provides breakdown of mosquito genera collected in each of the field trials presented in MRID No. 50904504, both control sites and test sites.

Mosquito Species Counts from Rural Area Study: Project No. BA041317

Of the total mosquitoes collected from control and treated sites, both *Culex* and *Aedes* mosquitoes were collected during the evaluations.

Mosquito Species Counts from Residential Area Study: Project No. BA071917

Of the total mosquitoes collected from control and treated site, *Culex*, *Anopheles*, and *Aedes* mosquitoes were collected during the evaluations.

Mosquito Species Counts from Residential Area Study: Project No. BA072017

Of the total mosquitoes collected from control and treated site, *Culex*, *Anopheles*, and *Aedes* mosquitoes were collected during the evaluations.

Mosquito Species Counts
Rural Area Study
Project Number: BA041317
Study Initiation: April 13, 2017
Study Completion: July 12, 2017

Efficacy Study 041317 Mosquito Counts and Species

Start Date & Time	Stop Date & Time	Site Name	Site Type	# Mosq.	Cx. spp.	Ae. spp.
4/13/2017 @ 1430	4/14/2017 @1520	Buck Creek	Control	33	8	25
4/20/2017 @ 1637	4/21/2017 @1545	Buck Creek	Control	21	8	13
4/26/2017 @ 1255	4/27/2017 @1242	Buck Creek	Control	47	22	25
5/13/2017 @ 1010	5/14/2017 @1032	Buck Creek	Control	RainOut		
5/14/2017 @ 1207	5/15/2017 @1155	Buck Creek	Control	37	10	27
6/12/2017 @ 1918	6/13/2017 @1955	Buck Creek	Control	19	3	16
7/12/2017 @ 1523	7/13/2017 @1537	Buck Creek	Control	42	11	31
4/13/2017 @ 1350	4/14/2017 @1320	Buck Creek	Test Area #1	44	11	33
4/20/2017 @ 1557	4/21/2017 @1502	Buck Creek	Test Area #1	13	8	5
4/26/2017 @ 1202	4/27/2017 @1150	Buck Creek	Test Area #1	2	2	
5/13/2017 @ 0925	5/14/2017 @0950	Buck Creek	Test Area #1	RainOut		
5/14/2017 @ 1125	5/15/2017 @1107	Buck Creek	Test Area #1	0		
6/12/2017 @ 1835	6/13/2017 @1900	Buck Creek	Test Area #1	2	2	
7/12/2017 @ 1440	7/13/2017 @1445	Buck Creek	Test Area #1	1		1
4/13/2017 @ 1410	4/14/2017 @1440	Buck Creek	Test Area #2	53	22	31
4/20/2017 @ 1620	4/21/2017 @1525	Buck Creek	Test Area #2	21	13	8
4/26/2017 @ 1235	4/27/2017 @1215	Buck Creek	Test Area #2	0		
5/13/2017 @ 0948	5/14/2017 @1010	Buck Creek	Test Area #2	RainOut		
5/14/2017 @ 1148	5/15/2017 @1132	Buck Creek	Test Area #2	1		1
6/12/2017 @ 1900	6/13/2017 @1932	Buck Creek	Test Area #2	0		
7/12/2017 @ 1500	7/13/2017 @1508	Buck Creek	Test Area #2	4	2	2

**Mosquito Species Counts
Residential Area Study
Project Number: BA071917
Study Initiation: July 19, 2017
Study Completion: October 19, 2017**

Efficacy Study 071917 Mosquito Counts and Species

Start Date & Time	Stop Date & Time	Site Name	Site Type	# Mosq.	Cx. spp.	Ae. spp.	An. spp.
07/19/2017 @1535	07/20/2017 @1502	33 Franklin Place	Test Area	72	63	9	
07/27/2017 @1742	07/28/2017 @1802	33 Franklin Place	Test Area	15	12	3	
08/02/2017 @1630	08/03/2017 @1620	33 Franklin Place	Test Area	3	3		
08/18/2017 @1745	08/19/2017 @1720	33 Franklin Place	Test Area	2	1	1	
08/21/2017 @1845	08/22/2017 @1823	33 Franklin Place	Test Area	0			
09/09/2017 @0933	09/10/2017 @0917	33 Franklin Place	Test Area	0			
09/19/2017 @0720	09/20/2017 @0732	33 Franklin Place	Test Area	RainOut			
09/29/2017 @0800	09/30/2017 @0745	33 Franklin Place	Test Area	0			
10/19/2017 @1551	10/20/2017 @1642	33 Franklin Place	Test Area	1	1		
07/19/2017 @1555	07/20/2017 @1552	Cameron Road	Control	61	53	8	
07/27/2017 @1800	07/28/2017 @1815	Cameron Road	Control	42	38	4	
08/02/2017 @1655	08/03/2017 @1648	Cameron Road	Control	57	30	27	
08/18/2017 @1720	08/19/2017 @1648	Cameron Road	Control	26	18	8	
08/21/2017 @1900	08/22/2017 @1845	Cameron Road	Control	47	19	28	
09/09/2017 @0915	09/10/2017 @0900	Cameron Road	Control	54	30	24	
09/19/2017 @0715	09/20/2017 @0705	Cameron Road	Control	RainOut			
09/29/2017 @0813	09/30/2017 @0803	Cameron Road	Control	32	30		2
10/19/2017 @1535	10/20/2017 @1703	Cameron Road	Control	16	15		1

**Mosquito Species Counts
Residential Area Study
Project Number: BA072017
Study Initiation: July 20, 2017
Study Completion: October 18, 2017**

Efficacy Study 072017 Mosquito Counts and Species

Start Date & Time	Stop Date & Time	Site Name	Site Type	# Mosq.	Cx. Spp	Ae. Spp.	An. spp.
07/20/2017 @1708	07/21/2017 @1715	2711 Oak Grove Road	Test Area	42	17	25	
07/28/2017 @1842	07/29/2017 @1830	2711 Oak Grove Road	Test Area	13	3	10	
08/03/2017 @1745	08/04/2017 @1802	2711 Oak Grove Road	Test Area	RainOut			
08/05/2017 @1130	08/06/2017 @1215	2711 Oak Grove Road	Test Area	1		1	
08/19/2017 @1825	08/20/2017 @1822	2711 Oak Grove Road	Test Area	RainOut			
08/22/2017 @1925	08/23/2017 @1915	2711 Oak Grove Road	Test Area	2	2		
09/08/2017 @0630	09/09/2017 @0615	2711 Oak Grove Road	Test Area	0			
09/18/2017 @0530	09/19/2017 @0600	2711 Oak Grove Road	Test Area	1	1		
10/18/2017 @0815	10/19/2017 @0803	2711 Oak Grove Road	Test Area	0			
07/19/2017 @1555	07/20/2017 @1552	Cameron Road	Control	61	53	8	
07/27/2017 @1800	07/28/2017 @1815	Cameron Road	Control	42	38	4	
08/02/2017 @1655	08/03/2017 @1648	Cameron Road	Control	57	30	27	
08/18/2017 @1720	08/19/2017 @1648	Cameron Road	Control	26	18	8	
08/21/2017 @1900	08/22/2017 @1845	Cameron Road	Control	47	19	28	
09/09/2017 @0915	09/10/2017 @0900	Cameron Road	Control	54	30	24	
09/19/2017 @0715	09/20/2017 @0705	Cameron Road	Control	RainOut			
09/29/2017 @0813	09/30/2017 @0803	Cameron Road	Control	32	30		2
10/19/2017 @1535	10/20/2017 @1703	Cameron Road	Control	16	15		1