



CITY OF FORT MORGAN

MOSQUITO CONTROL PROGRAM

MONTHLY REPORT: AUGUST 2018

VECTOR DISEASE CONTROL INTL.

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AUGUST

August witnessed below average rainfall and near normal temperatures. The month's average temperature was 72.4 degrees, 0.1 degrees below the normal of 72.5 degrees, with eleven days reaching or exceeding 90 degrees. 95 degrees was recorded on the 4th, the warmest day of the month.

Precipitation for August was 0.93, 0.76 inches below the monthly average of 1.69 inches. 0.38 inches of rain fell on the 14th, the most for any single day of the month.

West Nile Virus

Eight confirmed cases of human West Nile Virus (WNV) were reported in in August in Colorado comprising of Clear Creek, Delta, Larimer, Mesa, Washington and Weld counties. No fatalities were reported. As of this writing South Dakota led the nation with confirmed human WNV cases followed by Louisiana and Mississippi.

Larval Control

There was a total of 28 site inspections in August for a total of 4.0 acres treated.

Wear Your Repellent!

- Studies have shown that most human cases of WNV were preventable. Most people infected did not take precautions such as wearing long sleeves and using repellents.
- The most effective repellents contain 10%-35% DEET (N,N-diethyl-meta-toluamide).
- DEET in high concentrations, above 50%, provides no additional protection.

Adult Control Operations/Surveillance

A total of 43.4 miles of adulticide applications took place in August.

Surveillance traps collected a total 5,441 mosquitoes in August with 44% of the *Aedes* species and 56% of the *Culex* species.

by REPORT DATE: 8/1/2018 to 8/31/2018

by ACCOUNT: FM

	Total Site Inspections	No. Wet Sites	Percentage Wet Sites	No Sites Treated	Percentage Breeding*	Total Acres Treated
Fort Morgan, City of	28	26	93 %	4	15 %	4.0

* (Sites Treated/Wet Sites)

Customer	Subdiv/Area	Material	Start Time	End Time	Miles	
Fort Morgan, City of						
Truck						
08/02/2018	WEST OF WEST	Aqua Kontrol 30 30	20:42:00	21:02:00	4.0	
08/02/2018	RIVERSIDE CEMETARY	Aqua Kontrol 30 30	20:29:00	20:36:00	3.0	
08/09/2018	WEST OF WEST	Aqua Kontrol 30 30	21:09:00	21:26:00	4.0	
08/09/2018	RIVERSIDE CEMETERY	Aqua Kontrol 30 30	20:20:00	20:33:00	3.0	
08/09/2018	OPTIMIST PARK	Aqua Kontrol 30 30	20:40:00	20:45:00	1.1	
08/09/2018	JAYCEE PARK	Aqua Kontrol 30 30	20:55:00	21:05:00	1.2	
08/16/2018	WEST OF WEST	Aqua Kontrol 30 30	20:45:00	21:01:00	4.0	
08/16/2018	RIVERSIDE CEMETERY	Aqua Kontrol 30 30	20:00:00	20:11:00	2.5	
08/16/2018	OPTIMIST PARK	Aqua Kontrol 30 30	20:16:00	20:23:00	1.1	
08/16/2018	JAYCEE PARK	Aqua Kontrol 30 30	20:30:00	20:38:00	1.2	
08/23/2018	WEST OF WEST	Aqua Kontrol 30 30	20:24:00	20:44:00	4.0	
08/23/2018	RIVERSIDE CEMETERY	Aqua Kontrol 30 30	19:57:00	20:03:00	2.6	
08/23/2018	OPTIMIST PARK	Aqua Kontrol 30 30	20:09:00	20:15:00	1.1	
08/27/2018	WEST OF WEST	Aqua Kontrol 30 30	08:30:00	08:51:00	4.0	
08/30/2018	WEST OF WEST	Aqua Kontrol 30 30	20:30:00	20:54:00	4.0	
08/30/2018	RIVERSIDE CEMETERY	Aqua Kontrol 30 30	19:38:00	19:50:00	2.6	
Truck					Sum	43.4
					Avg	2.7
					Min	1.1
					Max	4.0
Grand Total					43.4	

Trap #	Date	Species	Count	Percent
FM-01	LIGHT	Morgan	Ft. Morgan NW Riverside Cemetery	
	08/02/2018	Aedes (Oc.) dorsalis	21	15 %
	08/02/2018	Aedes (Oc.) nigromacul	1	1 %
	08/02/2018	Aedes vexans	1	1 %
	08/02/2018	Culex pipiens	10	7 %
	08/02/2018	Culex salinarius	2	1 %
	08/02/2018	Culex tarsalis	104	75 %
	08/09/2018	Aedes (Oc.) dorsalis	65	15 %
	08/09/2018	Aedes (Oc.) trivittatus	2	0 %
	08/09/2018	Aedes vexans	42	10 %
	08/09/2018	Culex pipiens	152	36 %
	08/09/2018	Culex tarsalis	159	38 %
	08/16/2018	Aedes (Oc.) dorsalis	12	4 %
	08/16/2018	Aedes vexans	5	2 %
	08/16/2018	Culex pipiens	42	13 %
	08/16/2018	Culex salinarius	38	12 %
	08/16/2018	Culex tarsalis	220	69 %
	08/23/2018	Aedes (Oc.) dorsalis	6	6 %
	08/23/2018	Aedes vexans	9	9 %
	08/23/2018	Culex pipiens	20	20 %
	08/23/2018	Culex salinarius	12	12 %
	08/23/2018	Culex tarsalis	51	52 %
	08/30/2018	Aedes (Oc.) dorsalis	10	8 %
	08/30/2018	Aedes vexans	2	2 %
	08/30/2018	Culex pipiens	18	15 %
	08/30/2018	Culex salinarius	22	18 %
	08/30/2018	Culex tarsalis	69	57 %
Trap Total			1,095	

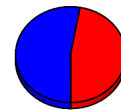


■ Aedes-Oc
■ Anopheles
■ Culex
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FM-02	LIGHT	Morgan	Ft. Morgan SW Brenda Joy Park	
	08/02/2018	Aedes (Oc.) dorsalis	32	7 %
	08/02/2018	Aedes vexans	207	48 %
	08/02/2018	Culex pipiens	20	5 %
	08/02/2018	Culex tarsalis	171	40 %
	08/09/2018	Aedes (Oc.) dorsalis	40	10 %
	08/09/2018	Aedes (Oc.) trivittatus	1	0 %
	08/09/2018	Aedes vexans	170	43 %
	08/09/2018	Culex pipiens	40	10 %
	08/09/2018	Culex tarsalis	146	37 %

Trap #	Date	Species	Count	Percent
	08/16/2018	Aedes (Oc.) dorsalis	14	2 %
	08/16/2018	Aedes (Oc.) trivittatus	22	3 %
	08/16/2018	Aedes vexans	156	23 %
	08/16/2018	Culex pipiens	29	4 %
	08/16/2018	Culex salinarius	21	3 %
	08/16/2018	Culex tarsalis	428	64 %
	08/23/2018	Aedes (Oc.) dorsalis	68	6 % sampled 300 from an estimated 1200 total
	08/23/2018	Aedes (Oc.) nigromacul	32	3 % sampled 300 from an estimated 1200 total
	08/23/2018	Aedes (Oc.) trivittatus	8	1 % sampled 300 from an estimated 1200 total
	08/23/2018	Aedes vexans	800	67 % sampled 300 from an estimated 1200 total
	08/23/2018	Aedes/Ochlerotatus spp	4	0 % sampled 300 from an estimated 1200 total
	08/23/2018	Culex pipiens	64	5 % sampled 300 from an estimated 1200 total
	08/23/2018	Culex tarsalis	224	19 % sampled 300 from an estimated 1200 total
	08/30/2018	Aedes (Oc.) dorsalis	32	5 % Sampled 300 from an estimated 600
	08/30/2018	Aedes (Oc.) nigromacul	2	0 % Sampled 300 from an estimated 600
	08/30/2018	Aedes vexans	152	25 % Sampled 300 from an estimated 600
	08/30/2018	Culex pipiens	78	13 % Sampled 300 from an estimated 600
	08/30/2018	Culex salinarius	50	8 % Sampled 300 from an estimated 600
	08/30/2018	Culex tarsalis	284	47 % Sampled 300 from an estimated 600
	08/30/2018	Culiseta inornata	2	0 % Sampled 300 from an estimated 600

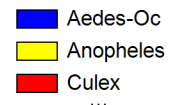
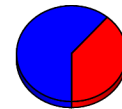
Trap Total 3,297



■ Aedes-Oc
■ Anopheles
■ Culex
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FM-03	LIGHT	Morgan	Fort Morgan SE Jaycee Park		
		08/02/2018	Aedes (Oc.) dorsalis	24	34 %
		08/02/2018	Aedes (Oc.) melanimon	1	1 %
		08/02/2018	Aedes (Oc.) trivittatus	1	1 %
		08/02/2018	Aedes vexans	13	18 %
		08/02/2018	Culex pipiens	5	7 %
		08/02/2018	Culex tarsalis	27	38 %
		08/09/2018	Aedes (Oc.) dorsalis	36	23 %
		08/09/2018	Aedes (Oc.) melanimon	11	7 %
		08/09/2018	Aedes (Oc.) nigromacul	2	1 %
		08/09/2018	Aedes (Oc.) trivittatus	4	3 %
		08/09/2018	Aedes vexans	75	47 %
		08/09/2018	Culex pipiens	4	3 %
		08/09/2018	Culex salinarius	7	4 %
		08/09/2018	Culex tarsalis	19	12 %
		08/16/2018	Aedes (Oc.) dorsalis	9	7 %
		08/16/2018	Aedes (Oc.) trivittatus	8	6 %

Trap #	Date	Species	Count	Percent
	08/16/2018	Aedes vexans	40	29 %
	08/16/2018	Culex pipiens	16	12 %
	08/16/2018	Culex tarsalis	64	47 %
	08/23/2018	Aedes (Oc.) dorsalis	6	9 %
	08/23/2018	Aedes (Oc.) trivittatus	1	2 %
	08/23/2018	Aedes vexans	32	49 %
	08/23/2018	Culex pipiens	1	2 %
	08/23/2018	Culex tarsalis	25	38 %
	08/30/2018	Aedes (Oc.) dorsalis	5	16 %
	08/30/2018	Aedes (Oc.) nigromacul	1	3 %
	08/30/2018	Aedes (Oc.) trivittatus	1	3 %
	08/30/2018	Aedes vexans	13	42 %
	08/30/2018	Culex tarsalis	11	35 %
Trap Total			462	

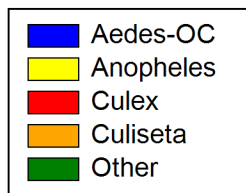
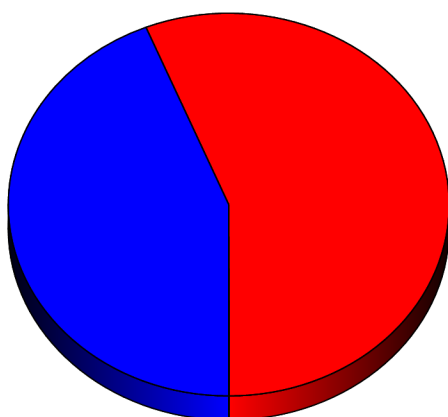


FM-04	LIGHT	Morgan	Ft. Morgan NE United Presbyterian Churc		
		08/02/2018	Aedes (Oc.) dorsalis	14	21 %
		08/02/2018	Aedes vexans	6	9 %
		08/02/2018	Culex pipiens	10	15 %
		08/02/2018	Culex tarsalis	38	56 %
		08/09/2018	Aedes (Oc.) dorsalis	14	13 %
		08/09/2018	Aedes vexans	62	57 %
		08/09/2018	Aedes/Ochlerotatus spp	1	1 %
		08/09/2018	Culex pipiens	8	7 %
		08/09/2018	Culex tarsalis	24	22 %
		08/16/2018	Aedes (Oc.) dorsalis	7	3 %
		08/16/2018	Aedes (Oc.) hendersoni	2	1 %
		08/16/2018	Aedes (Oc.) melanimon	2	1 %
		08/16/2018	Aedes vexans	49	24 %
		08/16/2018	Culex pipiens	56	27 %
		08/16/2018	Culex tarsalis	88	43 %
		08/23/2018	Aedes (Oc.) dorsalis	3	2 %
		08/23/2018	Aedes (Oc.) trivittatus	1	1 %
		08/23/2018	Aedes vexans	16	12 %
		08/23/2018	Culex pipiens	62	46 %
		08/23/2018	Culex salinarius	4	3 %
		08/23/2018	Culex tarsalis	49	36 %

Trap #	Date	Species	Count	Percent
	08/30/2018	Aedes (Oc.) dorsalis	5	7 %
	08/30/2018	Aedes vexans	6	8 %
	08/30/2018	Culex pipiens	21	30 %
	08/30/2018	Culex tarsalis	39	55 %
Trap Total			587	



Grand Total 5,441



TOTAL	%
2,387	44 %
0	0 %
3,052	56 %
2	0 %
0	0 %