



TOWN OF WINDSOR JULY 2016 MONTHLY REPORT

MONTHLY REPORT: JULY 29TH, 2016

COLORADO MOSQUITO CONTROL

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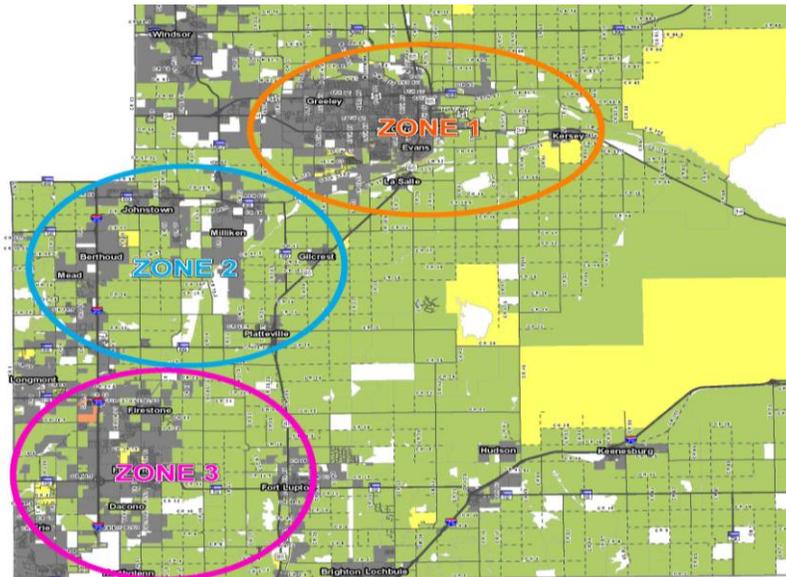
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West Nile Virus Risk

The number of confirmed cases of human West Nile virus (WNV) infection in Colorado as of this week is three, with two cases being reported from Larimer county. This number is guaranteed to increase according to the CDPHE, as the majority of cases are identified in August and September, during the season's peak.

Colorado State University has tested 466 sample pools of mosquitoes collected from mosquito traps in the City of Fort Collins and Loveland during the month of July. Only 8 of these samples tested positive for WNV relative to 19 this time last year. The majority (6) of the WNV+ pools have been from the Northeastern and Southeastern parts of Fort Collins with two positive pools in Loveland. There are no plans to test mosquito specimens collected from mosquito traps set in unincorporated Larimer County at this time, due to budget cutbacks at the state level.

Weld County reports no positive human cases at this time although the VI during Disease Week 28 was elevated to 1.16 for Zone 1. During Week 29 all three Weld County Sentinel Zones reported positive West Nile mosquito pools but updated Vector Index information for these zones has not been made available to us.



Vector Index Log				
Season Week	Zone1	Zone2	Zone3	% mosquitoes that may transmit WNV
June 12-18, 2016	0.00	0.00	0.00	3%
June 19-25, 2016	0.00	0.00	0.00	16%
June 26- July 2, 2016	0.00	0.00	0.00	16%
July 3- July 9, 2016	-	-	-	13%
July 10- July 16, 2016	1.16	0.00	0.25	38%

Wear Your Repellent!

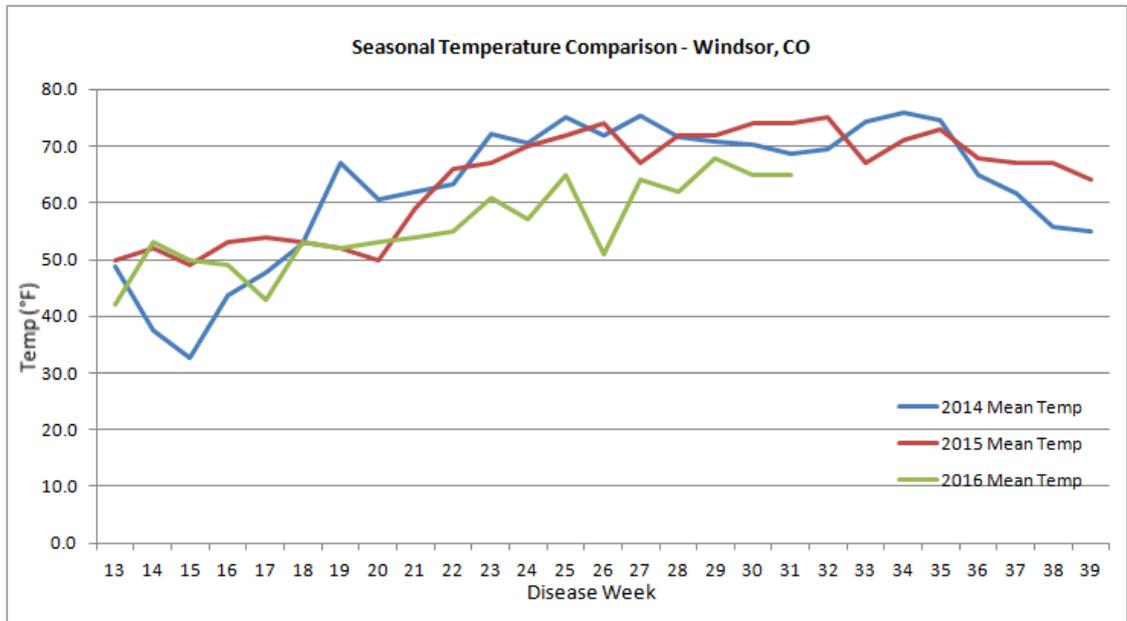
Use approved mosquito repellents containing DEET, picaridin or oil of lemon eucalyptus.

DEET products generally provide the longest protection. The other repellents work but must be applied more frequently.

Follow the product label for correct use. Products with 10 percent or less DEET are recommended for children.

Weather

Northern Colorado experienced the third driest June in over a century and July was no different. Despite periodic thunderstorms in the evening we remain on the edge of a drought situation and saw only 0.15 inches of rain during the month of July this year. The average temperature in Windsor during the month of July 2016 was 64.8°F which is cooler than last year but 5.1°F above historical averages.



Larval Control Operations

CMC field technicians performed 503 site inspections in the month of July 2016 as part of the inspection and larviciding program for the Town of Windsor. Of the 503 inspections, 373 sites were wet (74.2% of the total inspected sites) and 188 sites were producing larvae (50.1% of the wet sites). Of the 187 acres treated in July 2016, 1,014 lbs. of VectoBac (*Bti*) was used to prevent mosquito larvae from taking flight.

Mosquito Population Surveillance

There were 39 light traps set in the Town of Windsor during the month of July 2016. Of the 39 light traps set, a total of 7,761 mosquitoes were collected. There were 4211 (54%) *Aedes spp.*, 7 (<1.0%) *Culiseta inornata*, 3543 (31%) *Culex spp.* mosquitoes collected. There was an average of 199 mosquitoes per trap per night and 91 *Culex spp.* mosquitoes per trap per night collected in the Town of Windsor during July 2016.

There were 50 light traps set in the Town of Windsor during the month of July 2015. Of the 50 light traps set, a total of 12,283 mosquitoes were collected. There were 8,459 (69%) *Aedes spp.*, 20 (<1.0%) *Culiseta inornata*, 3804 (31%) *Culex spp.* mosquitoes collected. There was an average of 245 mosquitoes per trap per night and 76 *Culex spp.* mosquitoes per trap per night collected in the Town of Windsor during July 2015.

Adult Mosquito Control Operations

During the month of July 2016, 146 miles of roads within town limits were sprayed via ground based vehicles with Ultra Low Volume (ULV) AquaKontrol3030 mosquito adulticides to reduce adult mosquito populations. Truck based ULV applications were performed to suppress mosquito abundance detected in surveillance traps which surpassed the adulticiding thresholds.



Colorado Mosquito Control

Adulticide Data

Customer	Subdiv/Area	Material	Start Time	End Time	Miles	
Windsor, Town of						
Backpack						
	07/27/2016 Eastman Park	Talstar	08:40:00	09:29:00	1.0	
				Sum	1.0	
				Avg	1.0	
				Min	1.0	
				Max	1.0	
Truck						
	07/07/2016 West of 7th	Aqua Kontrol 30 30	21:06:00	22:03:00	12.0	
	07/07/2016 River Ridge	Aqua Kontrol 30 30	22:25:00	22:56:00	7.0	
	07/07/2016 North Shores	Aqua Kontrol 30 30	20:45:00	21:00:00	4.0	
	07/07/2016 Eastman Park	Aqua Kontrol 30 30	22:12:00	22:12:00	0.0	
	07/14/2016 West of 7th	Aqua Kontrol 30 30	12:20:00	01:11:00	12.0	
	07/14/2016 River West	Aqua Kontrol 30 30	01:23:00	01:40:00	3.0	
	07/14/2016 North Shores	Aqua Kontrol 30 30	22:03:00	22:21:00	4.0	
	07/14/2016 Lake Osterhout	Aqua Kontrol 30 30	22:32:00	23:01:00	6.0	
	07/14/2016 East of 7th	Aqua Kontrol 30 30	23:10:00	12:10:00	12.0	
	07/21/2016 West of 7th	Aqua Kontrol 30 30	23:48:00	12:36:00	11.0	
	07/21/2016 River West	Aqua Kontrol 30 30	12:45:00	01:14:00	7.0	
	07/21/2016 North Shores	Aqua Kontrol 30 30	21:18:00	21:38:00	4.0	
	07/21/2016 Lee Lake	Aqua Kontrol 30 30	20:45:00	21:09:00	4.0	
	07/21/2016 Lake Osterhout	Aqua Kontrol 30 30	21:47:00	22:21:00	6.0	
	07/21/2016 East of 7th	Aqua Kontrol 30 30	22:28:00	23:36:00	12.0	
	07/28/2016 River Ridge	Aqua Kontrol 30 30	01:47:00	02:29:00	7.0	
	07/28/2016 Lake Osterhout	Aqua Kontrol 30 30	21:01:00	21:55:00	9.0	
	07/28/2016 Eastman Park	Aqua Kontrol 30 30	01:26:00	01:33:00	1.0	
	07/28/2016 East of 7th	Aqua Kontrol 30 30	22:08:00	23:37:00	13.0	
	07/28/2016 West of 7th	Aqua Kontrol 30 30	23:55:00	12:58:00	11.0	
				Truck	Sum	145.0
					Avg	7.3
					Min	0.0
					Max	13.0
				Grand Total	146.0	

Public Relations

During the month of July 2016 CMC received seven calls from residents reporting mosquito annoyance. We also received a call reporting a new subdivision in the north eastern part of town which is now mapped and a part of our regular inspection and larviciding program.