



Pesticide Use Report Review

John Hausbeck, EH Supervisor



Public Health
MADISON & DANE COUNTY

Healthy people. Healthy places.

Public Health

2017 PESTICIDE APPLICATION SUMMARY FORM

Department: Public Health Madison and Dane County

Completed By: John Hausbeck

Product Used	Pounds (lbs) of Product Used	Pounds (lbs) of Active Ingredient Used	Purpose of Use	Location(s) and Area(s) Treated
VectoLex CG (<i>Bacillus sphaericus</i>)	96.6 lbs	Total * 7.5% = 7.24 lbs	Mosquito larvae control	Storm water control system including ditches and ponds.

Other pest control methods and actions: We continue to look for opportunities to eliminate water sources or advise that water sources be redesigned so as to not produce mosquito larvae. We were not able to implement minnows as a mosquito larvae control tool in 2017 due to limited staffing resources.

Summary

	Public Health	Water Utility	Engineering	Parks
# Agencies covered	1			
# products used	1			
# Pest targets	1			
# Areas treated	60*			

* Report does not list each site treated individually, number varies annually

Water Utility

Pesticide (Round Up) Applications on Madison Water Utility Properties - 2017

	4/24	4/25	5/1	5/3	5/4	5/12	6/7	6/19	6/21	6/23	6/29	7/13	8/10	8/23	8/25	10/11	Applications	Volume (gal)
UW 06			0.125							0.125							2	0.25
UW 07	0.125																1	0.125
UW 08																	0	0
UW 09				0.25													1	0.25
UW 10												0.125					1	0.125
UW 11				0.0625												0.25	2	0.3125
UW 12																	0	0
UW 13	0.125																1	0.125
UW 14			0.125							0.25							2	0.375
UW 15	0.125																1	0.125
UW 16												0.125					1	0.125
UW 17																	0	0
UW 18											0.25						1	0.25
UW 19										0.125							1	0.125
UW 20																	0	0
UW 23				0.25													1	0.25
UW 24	0.125																1	0.125
UW 25																	0	0
UW 26																	0	0
UW 27						0.125											1	0.125
UW 28			0.25														1	0.25
UW 29		0.25															1	0.25
UW 30					0.25								0.5				2	0.75
Heim				0.6875	0.5				1					0.25	0.25		5	2.6875
Op Center							0.5	0.25									2	0.75
118					0.125												1	0.125
229		0.5															1	0.5
Total Applied	0.5	0.75	0.5	1.25	0.875	0.125	0.5	0.25	1	0.5	0.25	0.25	0.5	0.25	0.25	0.25	16	8

Summary

	Public Health	Water Utility	Engineering	Parks
# Agencies covered	1	1		
# products used	1	1		
# Pest targets	1	1		
# Sites treated	60*	27		

* Report does not list each site treated individually, number varies annually

Engineering

SECTION 1 - City Facilities Maintained by Engineering

Summary of Chemicals and Quantities Used

Pesticide applications at facilities maintained by the Engineering Division are summarized below.

Location	Date	Target Species	Pesticide	EPA #	Quantity
Police North	5/17/17	Exterior crawling insects	Demand G	100-1240	1.5 pounds
	8/11/17	Exterior crawling insects	Demand CS	100-1066	2 gallons
	10/2/17	Exterior crawling insects	Demand CS	100-1066	2 gallons
Police South	5/2/17	Exterior Ants	Termidor SC	7969-210	2 gallons
	8/4/17	Exterior crawling insects	Demand CS	100-1066	1.5 gallons
Police East	4/13/17	Exterior crawling insects	Demand G	100-1240	3 pounds
	5/10/17	Exterior Ants	Termidor SC	7969-210	2 gallons
Police West		Exterior Mice	WeatherBlok XT	100-1055	43 blocks
	5/12/17	Exterior Ants	Termidor SC	7969-210	2 gallons
	7/19/17	Exterior Crawling Insects	Demand SC	100-1066	1 gallon
Police Training	8/15/17	Exterior Ants	Termidor SC	7969-210	1.5 gallons
	6/2/17	Interior Ants	Delta Dust	432-772	0.0125 ounces
	6/2/17	Interior Ants	Advion Ant Gel	100-1498	0.125 grams
	7/6/17	Exterior Crawling Insects	Demand CS	100-1066	32 ounces
	8/15/17	Exterior Wasps	Exciter	89489-41	6 ounces
Police Storage Shed	9/28/17	Exterior Wasps	Suspend Polyzone	432-1514	8 gallons
	4/24/17	Exterior Crawling Insects	Demand CS	100-1066	4 ounces
	8/15/17	Bed Bugs	PT Alpine Flea and Bed Bug	499-540	
	8/15/17	Bed Bugs	Crossfire	1021-2788	
Streets West	5/4/17	Breakroom Ants	Delta Dust	432-772	0.015 ounces
	5/4/17	Exterior Ants	Termidor SC	7969-210	1 gallon
	5/8/17	Office Ants	Delta Dust	432-442	0.03 ounces
	6/15/17	Restroom Ants	Advion Ant Gel	100-1498	0.125 grams
Streets East	5/4/17	Interior Ants	Phantom	241-392	4 ounces
	5/4/17	Interior Ants	Delta Dust	432-772	0.5 ounces
	5/15/17	Exterior Ants	Termidor SC	7969-210	2 gallons
Engineering Operations Facility	3/27/17	Interior Ants	Phantom	241-392	3 ounces
	3/27/17	Interior Ants	Delta Dust	432-772	0.05 ounces
	4/11/17	Exterior Ants	Termidor SC	7969-210	2 gallons
	7/19/17	Exterior Ants	Suspend Polyzone	432-1514	
Fire Station 1	8/17/17	Exterior Crawling Insects	Demand CS	100-1066	3.5 gallons
	7/21/17		Demand CS	100-1066	0.5 pounds
	8/28/17		Demand CS	100-1066	1.5 gallons
	10/6/17		Demand CS	100-1066	2 ounces
Fire Station 2	4/5/17		Demand G	100-1240	1 gallon
	5/3/17		Termidor	7969-210	0.5 pounds
	6/7/17		Demand CS	100-1066	1.5 gallons
	7/6/17		Demand CS	100-1066	2 gallons
Fire Station 3	8/2/17		Demand CS	100-1066	1.5 gallons
	5/15/17		Demand CS	100-1066	3 gallons
	8/15/17		Termidor	7969-210	1 gallon
Fire Station 4	5/2/17		Demand CS	100-1066	4 gallons
	6/6/17		Demand CS	100-1066	1 gallon
	7/6/17		Demand CS	100-1066	2 gallons
	8/2/17		Demand CS	100-1066	1 gallon
Fire Station 5	5/10/17		Termidor	7969-210	1.5 gallons
	6/15/17		Demand CS	100-1066	2 gallons
	7/13/17		Termidor	7969-210	1 gallon
	8/10/17		Demand CS	100-1066	1.5 gallons
Fire Station 6	3/9/17		ZP Tracking Powder	12455-16	0.007 ounces
	5/2/17		Termidor	7969-210	2 gallons
	6/15/17		Demand CS	100-1066	1.75 gallons

Location	Date	Target Species	Pesticide	EPA #	Quantity
Fire Station 7	7/11/17		Termidor	7969-210	2 gallons
	8/4/17		Demand CS	100-1066	1.5 gallons
	5/12/17		Termidor	7969-210	2 gallons
	6/9/17		Demand CS	100-1066	2 gallons
	7/11/17		Termidor	7969-210	2 gallons
Fire Station 8	8/14/17		Demand CS	100-1066	2 gallons
	10/16/17		Demand CS	100-1066	24 ounces
	10/16/17		Invade Bio Foam		24 ounces
	10/16/17		Transport Mikron	8033-109-279	2 gallons
	5/1/17		Demand G	100-1240	1.5 pounds
Fire Station 9	6/16/17		Demand CS	100-1066	1.5 pounds
	8/7/17		Demand CS	100-1066	1.5 gallons
	5/3/17		Termidor	7969-210	1.5 gallons
	7/17/17		Termidor	7969-210	1.5 gallons
Fire Station 10	8/2/17		Demand CS	100-1066	1 gallon
	12/15/17		Delta Dust	432-772	2 grams
	5/1/17		Demand G	100-1240	1.5 pounds
	6/18/17		Demand CS	100-1066	3 gallons
Fire Station 11	7/11/17		Advion Ant Gel	100-1498	0.125 gram
	8/7/17		Demand CS	100-1066	1.5 gallons
	5/4/17		Demand CS	100-1066	1.75 gallons
	7/7/17		Termidor	7969-210	1 gallon
Fire Station 12	8/3/17		Suspend Polyzone	432-1514	2.5 gallons
	3/7/17		Demand CS	100-1066	3 ounces
	5/11/17		Demand CS	100-1066	2 gallons
	6/8/17		Demand CS	100-1066	2 gallons
Fire Station 13	7/15/17		Demand CS	100-1066	2 gallons
	8/1/17		Demand CS	100-1066	2 gallons
			Weatherbok XT	100-1055	51 blocks
			Firestrike	173-258	8 packets
Fire Maintenance	9/1/17		Exciter	89459-41	8 ounces
	4/7/17		PT Alpine Flea and Bed Bug	499-540	2 ounces
	5/4/17		Demand CS	100-1066	3 gallons
	7/11/17		Demand CS	100-1066	1 gallon
	7/31/17		PT Alpine Flea and Bed Bug	499-540	1 ounce
	8/14/17		Suspend Polyzone	432-1514	1.75 gallons

Engineering

SECTION 2 - City Engineering Storm Water Right-of-Way Maintenance

Summary of Chemicals and Quantities Used

Trade Name	EPA Reg. #	Active Ingredient	% by weight	2016 Total Qty Used
2, 4-D Amine 4	42750-19	Dimethylamine salt of 2, 4-dichlorophenoxyacetic acid	46.8	7.75 Gallons
AquaNest	228-365	Glyphosate, N-(phosphonomethyl) glycine, in the form of isopropylamine salt	53.8	0.0 Gallons
Element 3-A	62719-37	Triclopyr, 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt	44.4	0.0 Gallons
Garlon 3A	62719-37	Triclopyr TEA Salt	44.4	1.5 Gallons
Intensity	34704-864	Clethodim: (E)-2-[1-[(3-chloro-2-propenyl)oxy]imino]propyl-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one	26.4	0.0 Gallons
Milestone	62719-519	Aminopyralid: 2-pyridine carboxylic acid, 4-amino-3, 6-dichloro-2-pyridinecarboxylic acid, triisopropanolammonium salt or aminopyralid	40.6	101 Gallons 84.48 oz
Pathfinder II	62719-176	Triclopyr BEE	13.6	7.48 Gallons
TREE-age	100-1309-74578	Emamectin Benzoate	4.0	390 ml
Polaris	228-534	Imazapyr	27.6	50 oz
Roundup	524-529	Glyphosate	41.0	64 oz
Ranger Pro	524-517	Glyphosate	41.0	14 oz

Summary

	Public Health	Water Utility	Engineering	Parks
# Agencies covered	1	1	4	
# products used	1	1	26	
# Pest targets	1	1	10+	
# Sites treated	60*	27	24+	

* Report does not list each site treated individually, number varies annually
+ Minimum number as determined from report

Parks

	# Products	#Pest Targets	# Sites Treated
East Parks	11	>6	>30 parks
West Parks	14	7	33 parks
Forest Hill Cemetery	3	3	1
Central Parks	7	6	16 parks
Conservation Parks	14	>3	13 parks
Olbrich	21	>6	4 areas
Forestry	2	2	23 districts
Goodman Park Maintenance	0		
Beaches	0		
Golf	23#	13	Not provided
Mall Concourse	0		

Active ingredients reported only

Summary

	Public Health	Water Utility	Engineering	Parks
# Agencies covered	1	1	4	11
# products used	1	1	26	>30
# Pest targets	1	1	10+	>10
# Sites treated	60*	27	24+	>60

* Report does not list each site treated individually, number varies annually
+ Minimum number as determined from report

Final Thoughts

- How do you determine compliance?
 - Variation in application of IPM principals
 - Comparisons must be year to year within Dept
 - Changes in pest load consideration
 - Changes in weather consideration
 - What is least toxic?
- Improvements in reporting is needed
 - Form - Consistency
 - Completion