

Florida Mosquito Adulticiding by Agency and Pesticide Formulation during the Fiscal Year 1998-1999

MOSQUITO CONTROL AGENCY	Type	Auditing Grand Total Acres	Aerial Adulticiding Acres					Aerial Total Acres	Ground Adulticiding Acres							Ground Total Acres		
			Organophosphates						Pyrethroids									
			Fenthion	Naled	Malathion	Resmethrin	Sumithrin		Fenthion	Naled	Malathion	Permethrin	Resmethrins	Pyrethrins	Sumithrin			
AMELIA ISLAND (Nassau)	G	345,436.00																345,436.00
ANASTASIA (St. Johns)	G	223,334.00																223,334.00
BAY COUNTY	G	680,808.00																680,808.00
BAY - BEACH MCD	A&G	185,716.34		40,697.50			40,697.50										711.82	145,018.84
BRAFDORD	G	44,697.20																44,697.20
BREVARD	A&G	2,285,745.00		677,539.00			29,729.00	707,268.00										1,581,677.00
BROWARD	A&G	426,160.00																426,160.00
BUCKHEAD RIDGE (Glades)	A&G	80,688.00					35,000.00	35,000.00										45,688.00
CALHOUN	G	4,605.00																4,605.00
CHARLOTTE	A&G	1,772,785.86		791,040.00				791,040.00										981,745.86
CITRUS	G	754,715.05																754,715.05
COLLER	A&G	1,595,505.00	729,591.00	865,914.00				1,595,505.00									197,360.80	0.00
COLUMBIA	G	199,228.98																199,228.98
EAST FLAGLER	A&G	540,893.90		29,645.00				29,645.00										511,248.90
EAST VOLusia	A&G	492,689.09		148,781.00				148,781.00	170,863.50		419,881.00							343,809.09
ESCAMBIA	G	1,764,319.92										156,464.46		3.00	4,499.20			1,764,319.92
FLORIDA KEYS (Monroe)	A&G	2,393,801.71		933,084.27				933,084.27										1,460,717.44
FRANKLIN	G	22,785.00																22,785.00
GADSDEN	G	4,083.19																4,083.19
GULF	G	329,161.91																329,161.91
HERNANDO	G	223,960.84																223,960.84
HILLSBOROUGH	A&G	1,371,836.58		66,560.00				66,560.00	1,305,199.20									1,305,276.58
INDIAN RIVER	A&G	759,927.60																759,927.60
JACKSONVILLE (Duval)	A&G	759,791.36	4,352.00	485,441.00				489,793.00	9,780.70									269,898.30
LAKE	G	827,692.90																827,692.90
LEE	A&G	2,165,384.00	264,782.00	907,775.00	67,365.00			1,239,922.00	612,896.00									925,462.00
LEE - FT. MYERS	G	33,523.92																33,523.92
LEON	A&G	177,207.00																40,949.00
LEVY	G	82,624.14																82,624.14
LIBERTY	G	106,123.36																106,123.36
MAISON	G	57,663.00																57,663.00
MANATEE	A&G	1,291,446.96		885,727.00				313,291.00	1,199,018.00									92,428.96
MIAMI (Dade)	A&G	699,559.00		439,660.00				439,660.00										259,899.00
MOOREHAVEN (Glades)	G	137,846.00																137,846.00
NORTH WALTON	G	488,437.94																488,437.94
OKALOOSA	G	320,844.40																320,844.40
ORANGE	A&G	351,015.75		13,000.00				28,000.00	41,000.00									310,015.75
OSCEOLA	A&G	542,680.37	231,928.37					231,928.37										310,752.00
PALM BEACH	A&G	714,170.00		688,160.00				688,160.00										46,010.00
PASCO	A&G	793,742.82		97,624.00				97,624.00	118,977.00									686,118.82
PINELLAS	A&G	110,065.83																110,065.83
POLK	A&G	1,001,812.14						103,826.46	103,826.46									897,985.68
PITHAM	G	135,549.00																135,549.00
SANTA ROSA	G	838,388.88																838,388.88
SARASOTA	A&G	816,428.71		548,178.86				548,178.86										268,249.85
ST. LUCIE	G	1,563,690.14																1,563,690.14
SOUTH WALTON	G	149,582.16																149,582.16
SUMTER	G	266,067.00																266,067.00
TAYLOR	G	78,081.64																78,081.64
WAKULLA	G	17,678.15																17,678.15
WASHINGTON	G	51,032.00																51,032.00
TOTAL ACRES		31,076,021.68	1,230,653.37	7,598,826.63	67,365.00	103,826.46	406,020.00	9,406,691.46	2,217,716.40	427,561.00	8,416,640.46	9,135,636.06	1,062,366.26	8,674.39	400,735.65			21,669,330.22

Florida Mosquito Adulticiding by Agency, Pesticide Formulation and Active Ingredient during Fiscal Year 1998-1999																							
Mosquito Control Agency	ORGANOPHOSPHATES						PYRETHROIDS																
	FENTHION		MALATHION		NALED		PERMETHRIN				RESMETHRIN		SUMITHRIN		PYRETHRIN								
	Fenthion Air	Fenthion Ground	Malathion Air	Malathion Ground	Naled Air	Naled Ground	Permethrin 31-66	Permethrin 10%EC	Permethrin RTU	BioMist 1.5-7.5	BioMist 4-4	BioMist 31-66	BioMist 30-30	Pant 57 OS	Aqua Reslin	Scourge 18-54	Scourge 4-12	Anvil 2+2	Anvil 10+10	Pyronone 100	Pyroside 7076		
AMELIA ISLAND (Nassau)						30.00	870.00									22.00							
ANASTASIA (St. Johns)				853.00			176.00																
BAY COUNTY				3,600.00																			
BAY BEACH MCD				753.40	238.12												1.99						
BRADFORD				169.97																			
BREVARD				3,970.00			5,430.88															144.00	
BROWARD				860.00																			
BUCKHEAD RIDGE (Glades)									324.50	1,579.96												155.00	
CALHOUN				144.98																			
CHARLOTTE				727.75	3,870.00		1,140.75							653.25									
CITRUS				2,896.82					6.64														529.58
COLLIER	5,209.00			4,374.00																			
COLUMBIA							1,833.65																
EAST FLAGLER				121.00		643.00										28.40						251.30	
EAST VOLUSIA		369.79		833.24	765.00		0.41																58.05
ESCAMBIA				3,370.80																			
FLORIDA KEYS (Monroe)					5,487.46					6,754.87				708.44	1,802.11								
FRANKLIN				120.00																			
GADSDEN				22.64																			
GULF				1,276.93																			
HERNANDO				1,218.00					3.83														
HILLSBOROUGH		2,108.03			390.00				4.94														
INDIAN RIVER																							
JACKSONVILLE (Duval)	17.00	32.20			1,980.00									1,226.51									
LAKE					3,443.92											1,005.90							
LEE	787.34	1,867.39	1,505.00	1,662.06	4,728.00		53.69																45.23
LEE - FT. MYERS										250.01													
LEON				635.60						7,077.00													240.90
LEVY				657.73																			
LIBERTY				579.61																			
MADISON				279.60																			
MANATEE					4,636.50										66.06	62.97	0.60						1,517.50
MIAMI (Dade)				1,329.00	2,267.00		52.00																
MOOREHAVEN (Glades)				434.00						110.00													8.56
NORTH WALTON									1,041.00					824.00									3.09
OKALOOSA				1,308.99					195.97														
ORANGE				60.00										1,129.50								90.00	
OSCEOLA	1,214.00				3,215.00		320.50	1,942.00															1.00
PALM BEACH																							
PASCO		360.70		3,087.00	500.00									124.28	299.00								
PINELLAS																							
POLK				666.40			730.70	30.79															
PUTNAM				3,377.50											17.04								
SANTA ROSA					2,569.59					919.13				631.01									
SARASOTA				358.12						460.70													
SOUTH WALTON									1.78					2,710.90									10.33
ST. LUCIE																							
SUMTER				1,013.00																			
TAYLOR				486.19																			
WAKULLA																							
WASHINGTON				234.00																			
TOTAL GALLONS	7,227.34	4,738.11	1,505.00	35,352.85	40,134.61	643.00	11,504.17	41.75	15,994.21	684.51	3,495.67	66.06	6,491.57	124.28	2,118.75	3,662.61	1.99	434.46	2,986.33	11.33		45.23	

Florida Mosquito Adulticiding by Formulation and Active Ingredients during Fiscal Year 1998-1999									
Product Name Or Formulation	ACTIVE INGREDIENTS			Total Gallons of Product Used	Pounds AI Used	Acres Treated	Average Lb. AI/Acre	Reporting End Users	
	Chemical Name	Amount	Units						
Baytex (Air)	Fenthion	9.67	lb/gal	7,227.34	69,888.38	1,230,653.37	0.0567897	4.00	
Baytex (Ground)	Fenthion	9.67	lb/gal	4,738.11	45,817.52	2,217,716.40	0.0206598	5.00	
Cythion, Fyfanon (Air)	Malathion	9.79	lb/gal	1,505.00	14,733.95	67,365.00	0.218718	1.00	
Cythion, Fyfanon (Grnd)	Malathion	9.79	lb/gal	35,352.85	346,104.40	8,416,640.46	0.0411214	31.00	
Dibrom (Air)	Naled	12.60	lb/gal	40,134.61	505,696.09	7,598,826.63	0.0665492	16.00	
Dibrom (Ground)	Naled	12.60	lb/gal	643.00	8,101.80	427,561.00	0.0189489	2.00	
Total Organophosphates				89,600.91	990,342.14	19,958,762.86			
Permanone 31-66	Permethrin	2.86	lb/gal	11,504.17	32,901.93	4,210,083.90	0.00781503	10.00	
Permanone 10%EC	Permethrin	0.68	lb/gal	41.75	28.56	666.83	0.042825	5.00	
Permanone RTU	Permethrin	0.29	lb/gal	15,994.21	4,622.33	1,255,318.33	0.00368219	6.00	
BioMist 31-66	Permethrin	2.86	lb/gal	66.06	188.93	45,845.80	0.00412102	1.00	
BioMist 30-30	Permethrin	2.52	lb/gal	6,491.57	16,358.76	2,544,782.79	0.00642835	6.00	
BioMist 4-4	Permethrin	0.30	lb/gal	3,495.67	1,048.70	712,021.03	0.00147285	4.00	
BioMist 1.5-7.5	Permethrin	0.11	lb/gal	684.51	75.30	104,108.92	0.000723244	3.00	
Punt 57 OS	Permethrin	5.00	lb/gal	124.28	621.40	2,047.82	0.303445	1.00	
Aqua Reslin	Permethrin	1.67	lb/gal	2,118.75	3,538.31	260,760.64	0.0135692	5.00	
Sub Total Permethrin's				40,520.97	59,384.21	9,135,636.06			
Scourge 4-12	Resmethrin	0.30	lb/gal	1.99	0.60	711.82	0.000838695	1.00	
Scourge 18-54	Resmethrin	1.51	lb/gal	3,662.61	5,530.54	1,061,654.44	0.00520936	8.00	
Sub Total Resmethrin's				3,664.60	5,531.14	1,062,366.26	0.01		
Anvil 10 + 10 (Air)	Sumithrin	0.74	lb/gal	2,986.33	2,209.88	406,020.00	0.0054428	8.00	
Anvil 10 + 10 (Ground)	Sumithrin	0.74	lb/gal	1,079.83	799.07	341,755.63	0.00233814		
Anvil 2 + 2 (Ground)	Sumithrin	0.15	lb/gal	434.46	65.17	58,980.02	0.00110493	1.00	
Sub Total Sumithrin's				4,500.62	3,074.13	806,755.65			
Pyrene 100	Pyrethrin	0.07	lb/gal	11.33	0.77	32.38	0.0237937	2.00	
Pyroicide 7076	Pyrethrin	0.38	lb/gal	45.23	17.19	8,642.00	0.00198882	1.00	
Sub Total Pyrethrin's				56.56	17.96	8,674.38	0.01		
Total Pyrethroids				N/A	N/A	48,742.75	68,007.43	11,013,432.35	
GRAND TOTAL ADULTICIDING				N/A	lb/gal	N/A	1,058,349.57	31,076,021.68	N/A
								50	

Florida Mosquito Larviciding by Agency, Pesticide Formulation and Active Ingredient during Fiscal Year 1998-1999																									
Mosquito Control Agency	TEMPEROS					s-METHOPRENE					BTI							MSF							
	Abate					Atoxid					by Percent														
	4E Gallons	15G Pounds	18G Pounds	2 BG Pounds	5P Pounds	1.50% Pounds	5% All Gallons	20% All Gallons	4% Pellets Pounds	30 Day Briquets Each	XR Briquets Each	Bti 0.2% Pounds	Bti 20% Pounds	Bti 0.4% Pounds	Bti 1.2% Gallons	Bti 1.6% Gallons	Bti 10% Briquets		BS 7.5% Pounds	Bti 2.80% Pounds	BVA 2 Gallons	GB Oil Gallons	Bonide Oil Gallons		
AMELIA ISLAND (Nassau)	0.00				1,222.00				44.00	6,500.00	374.00			57.00								1.50		1.33	
ANASTASIA (St. Johns)					1,732.00					799.00				1,450.00	305.50							56.50		6.16	
BAY COUNTY										5,236.00					20.35							23.11		82.25	
BAY BEACH/MCD	18.22				3.00					1,786.00					0.98		91.90							182.21	
BRADFORD																									
BREVARD								53.31		6,794.00	139.00	12,510.00			298.34							15,000.50			
BROWARD	78.93				22.00						322.00														
BUCKHEAD RIDGE (Gladys)																									
CALHOUN											77.00														
CHARLOTTE									346.50	4,000.00														134.00	
CITRUS										43.00		7,887.25			907.50	1,318.97		697.00	7,311.00			3,018.10		154.00	
COLLER										225.00					26,360.00	395.00								100.98	
COLLIERIA																									
JACKSONVILLE (Dunell)							0.40			50,263.00		20,075.00					3.20					2,120.00			
EAST FLAGLER					1,600.00					2,800.00														19.00	
EAST VOLusia	1.31						39.24		16.49	100.00														99.73	
ESCAMBA										1,431.00															3,773.90
FLORIDA KEYS (Marion)	2.69	19.00			8,250.00		80.00	1.89		286.00	34,195.00	203.00	86,085.00	1,920.00	6,360.00	158.45								488.47	
FRANKLIN																									
GADSDEN																0.46		143.00							
GULF										434.00															
HERNANDO					2.50				2.02	206.13		2,824.00													0.13
HILLSBOROUGH	4.06									173.93	184.00	1,561.00	16,159.59		5,520.00						19.23	11.51	30.07		13.00
INDIAN RIVER	43.00	15,668.00					43.80	52.87				880.00	50,199.00												5.25
LAKE	0.16																								700.00
LEE	1,196.38												7,560.00												217.00
LEE - FT. MYERS																									3,999.80
LEON									420.40		3,303.00	8,240.00			244.00		8,090.00	391.00	1,760.00						
LEVY										709.00															
LIBERTY																									
MADISON																									
MANATEE	84.36				776.13	490.00	61.75		2,336.00	1,196.00	229.00	6,987.50			831.50				24.50				4.50		234.30
MIAMI (Dade)						663.00						1,556.00			4.00										9.22
MOOREHAVEN (Gladys)																									
NORTH WALTON										4,022.00		220.00			45.25										
OKALOOSA												531.05			116.49										
ORANGE						840.00			185.25	1,685.50		14,250.00			44.00										12.00
OSCEOLA																									
PALM BEACH												660.00													
PASCO	19.22				65.00			0.50				33,236.00			8.55	70.00									725.50
PINELLAS						1,280.00	617.82			12,349.00	20.00	137,472.50			147.54										21.02
POLK	0.82					76.00	399.59			86.50		7,096.50			109.91										
PUTNAM										2,805.00															
SANTA ROSA										255.00		3.00	154.00												
SEBRASOTA					4,242.00							440.00													
ST. LUCIE						2.50	0.18	1.58	5.13	1,019.00	1,285.00	36,000.00													87.28
SOUTH WALTON						144.69			18.51	632.00	1,594.00	280.00			76.13										32.06
SLATTER																									
TAYLOR																									
WAKULLA																									
WASHINGTON												440.00													
TOTAL Lbs/Gal/Briq	1,449.16	15,668.00	19.00	9,850.00	5,331.32	3,765.00	744.32	149.02	4,080.84	130,357.50	15,326.00	446,889.79	1,920.00	39,147.50	4,476.29	1,643.08	19,795.00	80,404.91	7,446.50	19.23	30,153.93	1,909.40		4,859.74	

Florida Mosquito Larviciding Acres by Agency and Pesticide Formulation during Fiscal Year 1998-1999																											
Mosquito Control Agency	TEMPHOS					s-METHOPRENE										BTI					OILS				MSF Acres		
	4E Acres	15G Acres	15G Acres	26G Acres	0.05 Acres	1.50% Acres	5% ALL Acres	20% ALL Acres	4% Pellets Acres	3 Day Briquets Acres	XR Briquets Acres	BTI 0.2% Acres	BTI .26% Acres	BTI 0.4% Acres	by Percent			BTI 1.2% Acres	BTI 1.6% Acres	BTI 10% Acres	BS 7.5% Acres	BTI 2.86% Acres	BVA 2 Acres	GB Oil Acres		Bonide Oil Acres	
ARELVA ISLAND (Nassau)	7.00				395.00				6.00	14.94	3.83				22.00			241.00	3,969.00							1.00	3.00
ANASTASIA (St. Johns)					290.00					6.50																18.00	130.00
BAY COUNTY										13.86																168.38	16.30
BAY - BEACH MCD	2,331.67				1.50																	0.21			9.24	72.24	
BROWARD									8,945.00																		
BREVARD										16.64	0.32	1,117.00							1,455.67			0.22				3,080.50	
BROWARD	12,290.00				22.00						0.53											0.03					
BUCKHEAD RIDGE (Glades)																											
CALHOUN										0.18																	
CHARLOTTE									69.36	920.00									302.50	10,240.00	13,911.38		0.85		26.80	73.70	
CITRUS										0.10												1.60	1,462.32			754.52	403.82
COLLIER										0.48		1,971.82						5,273.00	1,580.00								
COLUMBIA				361.00			690.00																				
EAST FLAGLER								6,700.00		4.81																	
EAST VOLusia	159.20									0.10																9.50	
ESCAMBIA										3.31																11,429.85	
FLORIDA WAYS (Monroe)	295.00		1.00	1,396.67			11.43	79.00		40.36	279.90	7.00	8,509.83	320.00	636.00											484.00	13.00
FRANKLIN																											
GADSDEN																						7.35	0.33				
GULF											1.00																
HERNANDO					0.50			258.75	41.23		0.65																16.78
HILLSBOROUGH	359.60									34.79	0.38	7.16	2,120.53											5.87	4.72	9.45	
INDIAN RIVER	4,544.00	1,807.20					1,460.00	7,182.00				4.00	4,498.00						104.00								11.75
JACKSONVILLE (Duval)							12.80				115.30										3.80						1,060.10
LAKE	21.31																										22.43
LEE	174,256.00																										1,046.00
LEE - FT. MYERS																											140.00
LEON										104.60		15.60	1,177.00						23.55		31.60	270.20	251.30			78.29	84.70
LEVY										38.64																	
LIBERTY																											
MADISON																											
MANATEE	10,797.98				193.90		50.00	1,976.00		584.00	2.74	1.05	698.75						3,326.00			2.45				46.86	18.44
MANATEE (Dade)							133.00						156.00														
MOOREHAVEN (Glades)																											
WALTON - NORTH												9.22	8.00														
CYKLOPSA													41.29								24.00	0.35					
ORANGE							188.00			74.25	3.87											5.11					12.00
OSCEOLA											0.15		4,750.00														
PALM BEACH																								2,680.00			
PASCO	1,779.95				7.35		15.80						5,600.50											732.73			243.89
PINELLAS						232.00	24,586.43			27.25	0.05	13,747.25			1,512.86					3.74	6,619.65					13.50	61.28
POLK	75.62					38.00	278.37			19.50			1,318.68						1,741.08	1,597.84			1,200.65				
PULNAM											6.42																
SANTA ROSA								1,878.83			0.01	0.58	18.35														
SARASOTA													44.00														29.00
SOUTH WALTON						495.63																					
ST. LUCIE					34.57		0.50	5.16	245.39		4.56	1.44	3.66	112.00							3.73					11.67	23.53
SUMTER																											0.34
TAYLOR																											
WAKULLA																											
WASHINGTON												1.00															
TOTAL ACRES	206,917.33	1,807.20	1.00	1,757.67	1,478.45	893.30	30,713.02	23,331.14	984.42	1,473.17	51.32	55,702.12	320.00	6,474.50	27,084.72	15,537.02	60.13	9,563.46	3,664.03	5.87	17,609.03	971.94	994.42				

Florida Mosquito Larviciding by Formulation and Active Ingredients during Fiscal Year 1998-1999								
Product Name Or Formulation	ACTIVE INGREDIENTS			Total Product Used	Pounds AI Used	Acres Treated	Average Lb. AI.	Reporting End Users
	Chemical Name	Amount	Units					
Abate 4 E	Temephos	4.00	lb/gal	1,449.16	5,796.64	206,917.33	0.0280143	12.00
Abate 1 SG	Temephos	0.01	lb/lb	15,668.00	156.68	1,807.20	0.0866977	1.00
Abate 1 BG	Temephos	0.01	lb/lb	19.00	0.19	1.00	0.19	1.00
Abate 2 BG	Temephos	0.02	lb/lb	9,850.00	197.00	1,757.67	0.11208	2.00
5 %Skeeter Abate	Temephos	0.05	lb/lb	5,331.32	266.57	1,478.45	0.180301	10.00
Abate Products Subtotal	Temephos	N/A	N/A	N/A	6,417.08	211,961.65	0.101	
1.5% Altosid XRG	s-Methoprene	0.02	lb/lb	3,765.00	56.48	893.30	0.0632206	2.00
5% A.L.L.	s-Methoprene	0.43	lb/gal	744.32	320.06	30,713.02	0.0104209	9.00
20% A.L.L.	s-Methoprene	1.72	lb/gal	149.02	256.32	23,331.14	0.010986	5.00
4% Pellets	s-Methoprene	0.04	lb/lb	4,080.84	163.23	984.42	0.165817	12.00
30 Day Briquet	s-Methoprene	0.00	lb/briq	130,357.50	122.54	1,473.17	0.0831784	18.00
XR Briquet	s-Methoprene	0.00	lb/briq	15,326.00	22.19	51.32	0.432442	13.00
Altosid Products Subtotal	s-Methoprene	N/A	N/A	N/A	884.34	57,446.37	0.0993	
0.26% B.t.i	d-Endotoxin	0.00	lb/lb	1,920.00	5.76	320.00	0.018	1.00
0.2% B.t.i	d-Endotoxin	0.00	lb/lb	446,889.79	893.78	55,702.12	0.0160457	18.00
0.4% B.t.i	d-Endotoxin	0.00	lb/lb	39,147.50	156.59	6,474.50	0.0241857	3.00
1.2% B.t.i	d-Endotoxin	0.01	lb/gal	4,476.29	53.72	27,084.72	0.00198324	22.00
1.6% B.t.i	d-Endotoxin	0.02	lb/gal	1,643.08	26.29	15,537.02	0.00169204	8.00
2.86% B.t.i	d-Endotoxin	0.03	lb/lb	7,446.50	208.50	3,664.03	0.0569051	1.00
10% B.t.i.	d-Endotoxin	0.05	lb/briq	19,795.00	989.75	60.13	16.4602	
B.t.i. Products Subtotal	d-Endotoxin	N/A	N/A	N/A	2,334.39	108,842.52	0.0973	
7.5% Bacillus Sphaericus	Bacillus Sphaericus	0.08	lb/lb	80,404.91	6,030.37	9,563.46	0.630563	2
BVA 2	Mineral Oil	7.08	lb/gal	19.23	136.15	5.87	23.1939	1.00
Bonide Mosquito Larvicide	Mineral Oil	6.96	lb/gal	1,909.40	13,289.42	971.94	13.6731	8.00
Golden Bear Mosquito Larvici	Napthenic Oil	7.25	lb/gal	30,153.93	218,615.99	17,609.03	12.415	19.00
Oil Products Subtotal	All Oils	N/A	N/A	32,082.56	232,041.56	18,586.84	27.66	
MSF	Isostearyl Alcohol	7.69	lb/gal	4,859.74	37,371.40	994.42	37.5811	6
GRAND TOTAL LARVICIDING	All Ingredients	N/A	N/A	N/A	285,079.13	407,395.26	N/A	