

Florida Mosquito Adulticiding by Agency and Pesticide Formulation during the Fiscal Year 1997-1998

MOSQUITO CONTROL AGENCY	Type	Aerial Aduliciding Grand Total Acres	Aerial Aduliciding Acres							Aerial Total Acres	Ground Aduliciding Acres							Ground Total Acres
			Fenthion		Organophosphates		Pyrethroids				Organophosphates		Pyrethroids			Sumthrin		
			Naled	Malathion	Permethrin	Resmethrin	Sumthrin	Naled	Malathion		Permethrin	Resmethrin	Pyrethrin	Sumthrin				
BAY COUNTY	G	495,020.00							0.00									495,020.00
BAY - BEACH MCD	A&G	148,270.01		29,601.60					29,601.60									148,270.01
BRADFORD	G	101,820.00							0.00									101,820.00
BREVARD	A&G	1,995,930.00		811,846.00					811,846.00					1,184,084.00				1,184,084.00
BROWARD	A&G	202,640.00		48,000.00					48,000.00					154,640.00				154,640.00
CALHOUN	G	39,638.00							0.00					39,638.00				39,638.00
CHARLOTTE	A&G	1,890,810.96		440,320.00					440,320.00					309,339.93	1,141,151.03			1,450,490.96
CITRUS	G	946,323.56							0.00					943,091.24	3,232.32			946,323.56
COLLIER	A&G	1,052,943.00	942,389.00	110,554.00					1,052,943.00									1,052,943.00
COLUMBIA	G	197,693.00							0.00					197,693.00				197,693.00
DADE	A&G	223,057.00		50,530.00					50,530.00					141,615.00	30,912.00			172,527.00
DUNAL	A&G	541,232.18	7,642.00	276,188.00					283,830.00	9,380.00		981.70			247,041.50			293,211.50
ESCAMBIA	G	371,207.60							0.00					371,207.60				371,207.60
EAST FLAGLER	A&G	660,735.10		34,734.00					34,734.00					614,173.30				348,907.30
FRANKLIN	G	22,785.00							0.00					22,785.00				22,785.00
GADSDEN	G	4,119.59							0.00					4,119.59				4,119.59
GLADES B.H.R.	A&G	78,872.00		11,520.00					11,520.00		31,856.00			21,986.00				67,652.00
GLADES M.H.	G	125,334.00							0.00					84,837.00		40,777.00		125,334.00
GULF	G	55,292.88							0.00					55,292.88				55,292.88
HERNANDO	G	63,275.25							0.00					63,180.74	94.51			63,275.25
HILLSBOROUGH	A&G	1,990,016.30		133,937.00					133,937.00	1,756,372.75				9,706.55				1,766,079.30
INDIAN RIVER	A&G	525,594.00							0.00	368,167.00	78,000.00			79,427.00				525,594.00
LAKE	G	995,569.00							0.00					710,422.40	285,146.60			995,569.00
LEE	A&G	1,544,433.90	186,606.00	346,640.00	312,921.00				844,167.00	496,697.00				191,427.00		12,142.00		700,266.00
LEE - FT. MYERS	G	20,434.32							0.00					20,434.32				20,434.32
LEON	G	116,288.62							0.00					115,121.52	1,167.10			116,288.62
LEVY	G	115,880.18							0.00					115,880.18				115,880.18
LIBERTY	G	4,194.00							0.00					4,194.00				4,194.00
MADISON	G	35,637.00							0.00					35,637.00				35,637.00
MANATEE	A&G	949,116.19		839,681.00					31,780.00	871,481.00				15,680.00				778,719.00
MONROE (Fl Keys)	A&G	1,200,435.10		454,384.00					0.00					938,218.18	4,222.40		3,614.52	536,655.10
NASSAU (Amelia Is)	G	399,253.00							0.00					40,914.00	340,139.00	18,200.00		399,253.00
OKALOOSA	G	216,085.00							0.00					215,046.00	801.00	538.00		216,085.00
ORANGE	A&G	449,669.25		28,740.00					28,740.00					405,095.25	15,692.50	231.50		420,929.25
OSCEOLA	A&G	150,640.64	113,871.84						113,871.84					36,720.00		149.00		36,869.00
PALM BEACH	A&G	1,164,840.00		844,800.00					844,800.00					320,040.00				320,040.00
PASCO	A&G	634,526.94		10,240.00					11,520.00	21,760.00				410,014.10	3,553.82			612,778.96
PINELLAS	A&G	262,873.33	23,040.00						23,040.00									230,833.33
POLK	A&G	1,287,442.16							123,871.73	1,23,871.73				1,143,570.43		1.87	8,698.94	1,143,570.43
PUTNAM	G	102,743.30							0.00					81,417.50	21,325.80			102,743.30
SANTA ROSA	G	453,158.29							0.00					453,158.29				453,158.29
SARASOTA	A&G	1,053,877.43		666,754.13					666,754.13					387,123.30				387,123.30
ST. JOHNS (Anastasia)	G	321,822.06							0.00					245,277.00				321,822.06
ST. LUCIE	G	1,145,431.47							0.00	2,028.13				286.86	583,267.09	560,134.47	0.79	1,145,431.47
SUMTER	G	286.86							0.00					286.86				286.86
TAYLOR	G	52,804.68							0.00					52,804.68				52,804.68
VOLUSIA (East)	A&G	283,033.32		87,776.00					87,776.00	67,360.97	2,540.73			122,786.62				195,257.32
WALTON-NORTH	G	252,700.00							0.00					252,700.00				252,700.00
WALTON-SOUTH	G	92,542.27							0.00					92,542.27				92,542.27
WAKULA	G	9,656.62							0.00					9,656.62				9,656.62
WASHINGTON	G	32,432.00							0.00					32,432.00				32,432.00
TOTAL ACRES		25,159,129.44	2,128,398.64	4,369,193.73	324,441.00	0	123,871.73	31,780.00	6,977,685.10	2,931,062.73	711,375.73	6,105,159.43	7,278,861.74	1,108,640.70	12,293.66	34,050.36	16,181,444.34	

Florida Mosquito Adulticiding by Agency, Pesticide Formulation and Active Ingredient during Fiscal Year 1997-1998

Mosquito Control Agency	ORGANOPHOSPHATES				PYRETHROIDS																	
	FENTHION	MALATHION	NALED		Permanone 31-66	Permanone 10% EC	Permanone RTU	BioMist 1.5-7.5	BioMist 4-4	BioMist 31-66	Punt 57 OS	Punt 5.7 OS	Aqua Resin	RESMETHRIN		SUMITHRIN			PYRETHRIN			
	Baytex	Cythion/ Fytanon	Dibrom 14	Dibrom Trumphet										Scourge 18-54	Scourge 4-12	Solo 40 S	Anvil 2 + 2	Anvil 10 + 10	Pyronone 100	Pyroclide 7076		
BAY COUNTY		2,763.00																				
BAY - BEACH MCD		101.00	10.25	150.00												1.56						
BRADFORD		282.39																				
BREVARD			4,757.00		4,066.90																	
BROWARD			180.00					900.05														
CALHOUN		220.21																				
CHARLOTTE		997.00	2,070.00		2,108.96																	
CITRUS		4,823.13						11.75														
COLLIER	5,963.00		570.00																			
COLUMBIA					1,618.50																	
DADE (Miami)		758.48	289.00		79.75																	
DUVAL	69.10		1,491.90												950.00							
ESCAMBIA		1,949.95																				
EAST FLAGLER			1,122.30													33.40				26.40		
FRANKLIN		120.00																				
GADSDEN		22.84																				
GLADES B.H.R.	41.20	77.20	45.00																		55.00	
GLADES M.H.		373.00													22.50							
GULF		1,722.20																				
HERNANDO		343.70					5.91															
HILLSBOROUGH	1,644.00		465.00		5.74	2.06																
INDIAN RIVER	931.04		440.00		161.00																	
LAKE		3,892.77			78.46																	
LEE	2,068.23	8,018.10	1,858.55																			63.55
LEE - FT. MYERS								159.84														
LEON		512.30					22.86															
LEVY		656.65																				
LIBERTY		440.00																				
MADISON		173.90																				
MANATEE			4,340.00	75.00					82.37				0.39								154.00	
MONROE (Fl Keys)			2,724.00	15.00				6,698.59					120.75		31.88		10.34	50.00				
NASSAU (Amelia Is)		92.00								949.00					68.00							
OKALOOSA		1,070.22					345.30								0.40							
ORANGE		1,895.00	135.00				73.50								1.81							4.66
OSCEOLA	595.00				12.75				216.75													
PALM BEACH			3,180.00		252.30																	
PASCO	620.40	4,449.33									77.94											
PINELLAS	90.00														5,242.12				59.50		8.04	
POLK					688.74	59.29									158.07							
PUTNAM		442.84			112.34																	
SANTA ROSA		2,588.40																				
SARASOTA			3,125.41				2,245.92															
ST. JOHNS (Anastasia)		1,260.00			478.00																	
ST. LUCIE	6.27								1,875.12						1,803.63							3.00
SUMTER		1,132.00																				
TAYLOR		402.00																				
VOLUSIA (East)	184.82	928.17	400.00	4.60																	9.12	
WALTON - NORTH									793.13													
WALTON - SOUTH		453.50																				
WAKULLA		182.40																				
WASHINGTON		151.50																				
TOTAL GALLONS	12,213.06	43,295.18	27,203.41	244.60	9,663.44	67.26	9,397.92	159.84	1,693.18	2,174.24	1,026.94	0.21	121.14	8,246.53	66.84	10.34	109.50	244.52	15.70	63.55		

Florida Mosquito Adulticiding by Formulation and Active Ingredients during Fiscal Year 1997-1998

Product Name Or Formulation	ACTIVE INGREDIENTS		Units	Total Gallons of Product Used	Pounds AI Used	Acres Treated	Average Lb. AI/Acre	Reporting End Users
	Chemical Name	Amount						
Baytex	Fenthion	9.67	lb/gal	12,213.06	118,100.29	5,059,461.37	0.0233425	11.00
Cythion, Fyfanon	Malathion	9.79	lb/gal	43,295.18	423,859.81	6,429,600.43	0.0659232	33.00
Dibrom 14	Naled	12.60	lb/gal	27,203.41	342,762.97	5,033,015.03	0.0681029	18.00
Trumphet EC	Naled	10.65	lb/gal	244.60	2,604.99	47,960.04	0.0543158	4.00
Total Organophosphates				82,956.25	887,328.06	16,570,036.87	0.05	
Permanone 31-66	Permethrin	2.86	lb/gal	9,683.44	27,694.64	4,490,631.91	0.0061672	13.00
Permanone 10% EC	Permethrin	0.68	lb/gal	67.26	46.01	904.01	0.0508909	3.00
Permanone RTU	Permethrin	0.29	lb/gal	9,397.92	2,716.00	1,326,170.24	0.002048	6.00
BioMist 31-66	Permethrin	2.86	lb/gal	2,174.24	6,218.33	679,738.25	0.00914812	2.00
BioMist 4-4	Permethrin	0.30	lb/gal	1,693.18	507.95	407,340.00	0.001247	2.00
BioMist 1.5-7.5	Permethrin	0.11	lb/gal	159.84	17.58	20,434.32	0.000860435	1.00
Punt 57 OS	Permethrin	5.00	lb/gal	1,026.94	5,134.70	343,692.71	0.0149398	2.00
Punt 5.7 OS	Permethrin	0.41	lb/gal	0.21	0.09	12.50	0.006888	1.00
Aqua Reslin	Permethrin	1.67	lb/gal	121.14	202.30	9,937.59	0.0203574	2.00
Sub Total	Permethrin's			24,324.17	42,537.60	7,278,861.53	0.01	
Scourge 4-12	Resmethrin	0.30	lb/gal	66.84	20.05	9,480.30	0.00211512	2.00
Scourge 18-54	Resmethrin	1.51	lb/gal	8,246.53	12,452.26	1,222,626.72	0.0101848	9.00
Sub Total	Resmethrin's			8,313.37	12,472.31	1,232,107.02	0.01	
Anvil 10 + 10	Sumithrin	0.74	lb/gal	244.52	180.94	54,116.90	0.00334359	4.00
Anvil 2 + 2	Sumithrin	0.15	lb/gal	109.50	16.43	10,199.22	0.00161042	2.00
Solo 40S	Sumithrin	3.04	lb/gal	10.34	31.43	1,514.24	0.0207587	1.00
Sub Total	Sumithrin's			364.36	228.80	65,830.36	0.01	
Pyrenone 100	Pyrethrin	0.07	lb/gal	15.70	1.07	151.66	0.00703943	3.00
Pyrocide 7076	Pyrethrin	0.38	lb/gal	63.55	24.15	12,142.00	0.00198888	1.00
Sub Total	Pyrethrin's			79.25	25.22	12,293.66	0.01	
Total Pyrethroids	N/A	N/A		33,081.15	55,263.93	8,589,092.57		
GRAND TOTAL ADULTICIDING	N/A	lb/gal		N/A	942,591.99	25,159,129.44	N/A	50

Florida Mosquito Larviciding by Agency, Pesticide Formulation and Active Ingredient during Fiscal Year 1997-1998																											
Mosquito Control Agency	TEMEPHOS			δ-METHOPRENE							B77							DIMILIN	PYRETHRUM	OILS			MSF				
	4E Gallons	15G Pounds	5% Pounds	1.50% Pounds	5% All Gallons	SR-10 Gallons	20% All Gallons	4% Pellets Pounds	10 Day Briquets Each	XR Briquets Each	Bt 0.2% Pounds	Bt 20% Pounds	Bt 0.4% Pounds	by Percent Bt 1.2% Gallons	Bt 1.0% Gallons	Bt 10% Briquets	BS 7.5% Pounds	IGR Pounds	2% Toxicants Briquets	BVA 2 Gallons	GB Oil Gallons	Bonide Oil Gallons	Gallons				
BAY COUNTY																											
BAY - BEACH/MCO	15.68													76.62										35.50			
BRADFORD														2.71										123.32			
BREVARD			350.00				76.71		3,338.00			1,847.00		329.78										12,934.00			
BROWARD	34.32		54.00							1,701.00																	
CALHOUN										60.00																	
CHARLOTTE					40.00			352.00	100.00															1,095.10			
CITRUS																									29,271.50		
COLLER									385.00																		
COLUMBIA									45.00	81.00																	
DADE (Miami)								10.50					6,276.00														
DUVAL					16.00			2,684.90	32,707.00				19,738.20							14.00					4,246.00		
ESCAMBIA									1,000.00																2,485.00		
EAST FLORIDA			8.00		21.50					1,600.00															28.10		
FRANKLIN													120.00														
GADSDEN																											
GLADES B&H																											
GLADES M.H.																											
GULF										1,565.00																	
HERNANDO			20.20				0.94																				
HILSDOROUGH	2.16		66.50				1.28	25.49	5,376.00	1,840.00			30,446.00												32.00		
INDIAN RIVER			15,840.00		240.00		840.00							26,806.00													
LAKE	91.21																										
LEE	1,100.58																								5,592.00		
LEE - FT. MYERS																									103.23		
LEON								37.80		5,730.00				7,880.00											0.50		
LEVY		14.50						29.50	1,163.00																		
LIBERTY																											
MADISON																											
MANATEE	41.63		503.00		77.59	0.38		2,638.25					3,696.00												4.50		
MONROE (Ft Myers)								1,880.00	87,814.00	910.00			59,920.00							55.50	1.20			1,954.18	1.60		
NASSAU (Amelia Is)	0.61		1,738.00					7,500.00	603.00					280.00											2.00	0.13	
OKALOOSA			0.90																								
ORANGE					18.75			1,290.75	4,899.00					266.75											14.00		
OSCEOLA														7,218.00											4.86		
PALM BEACH									300.00	1,100.00																	
PASCO	29.70		16.00		60.00									51,388.00											1,288.35		
PINELLAS					852.35				41,807.00	10.00															113.50	5.00	
POLK																											
PUTNAM	1.47		170.00																								
SANTA ROSA					0.02				13,826.00																		
SARASOTA			4,632.50			5.70		315.00	198.00	174.00				40.00													
ST. JOHNS (Anastasia)			1,824.00						460.00																	19.53	
ST. LUCIE					2.50	3.83			2,321.00					40.00												261.00	0.50
SUNTER								0.50	2,546.00	1,061.00			9,560.00	15,680.00												21.40	
TAYLOR																											
VOLUSIA (East)	5.68		1.00		9.00		11.84	4.60	308.00																	95.12	
WALTON - NORTH														100.00													
WALTON - SOUTH																										5.71	
WAKULLA																											
WASHINGTON																											
TOTAL 1997/1998	1,380.15	15,940.00	9,422.60	21.25	1,420.29	6.08	1,030.77	9,369.29	208,894.00	14,667.00			225,760.95	15,680.00	34,655.25	5,866.74	2,694.38	24,514.50	197.46	1.20	14.00	194.43	57,694.46	3,641.35	79.54		

Mosquito Control Agency	Florida Mosquito Larviciding Acres by Agency and Pesticide Formulation during Fiscal Year 1997-1998																							
	TEMEPHOS			s-METHOPRENE							BTI							DIMILIN		PYRETHRUM		OILS		MSF
	4E Acres	Abate 15G Acres	5% Acres	1.50% Acres	5% All Acres	SR-10 Acres	20% All Acres	4% Pellets Acres	10 Day Briquets Acres	2X 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	25 IGR Acres	1% Tossils Acres	BVA 2 Acres	GB Oil Acres	Bonide Oil Acres	Acres	
BAY COUNTY																								
BAY BEACH MCD	2,230.24									1.00				138.50									1.10	
BRADFORD														20.50									49.70	
BREVARD			94.00							7.85	505.70			2,084.30		0.24							2,644.04	
BROWARD	5,440.00		56.00				10,531.00			2.91														
CALHOUN										0.20														
CHARLOTTE					1,280.00				70.40	0.23													201.20	
CITrus										0.89													7,748.97	
COLLER													6,456.00											
COLUMBIA										0.11	0.37													
Duval (Miami)										31.00		134.60												
DUVAL					640.30			1,559.00	75.10		9,520.00										14.00		3,945.30	
ESCAMBIA										16.07													471.25	
EAST FLORIDA			1.30		786.00					3.70		60.00											14.00	
FRANKLIN																								
GADSDEN																	5.00							
GLADES BEACH																								
GLADES M.H.																								
GULF										3.60														
HERNANDO			4.04				119.50			18.00													6.04	
HILLSBOROUGH	189.81		16.66				41.06	50.99	46.72	8.44	3,044.00				12.89						38.41	80.47		
INDIAN RIVER	7,583.00	2,725.00			48.00		110.00				2,734.00												345.24	
LANCE		26.81																	23.67				174.97	
LEE	164,304.00																						1,118.00	
LEE - FT. MYERS																							36.86	
LEWIS										6.23		25.81	1,160.30										1.00	
LEVY			1.01							6.75	5.90													
LIBERTY																								
MADISON																							2.50	
MANATEE	5,252.53		125.75		2,483.00	24.00		659.50			369.60			888.60		5.55	20.00						237.80	
MONROE (Fl Keys)								659.90	635.81	21.00	4,664.20			96.00	276.50	1.20							371.65	
NASSAU (Amelia Is)	113.00		409.90					14.03	1.39		49.00			152.00								1.00	4.00	
OKALOOSA			0.93								24.63												0.61	
ORANGE					3.75			517.50	11.25				4.50	207.00									14.00	
OSCEOLA											2,406.01												1.62	
PALM BEACH														3,384.00										
PASCO	2,539.52				31.58						1,296.93	0.02	6,720.87										426.95	
PINELLAS					78,145.50									5,799.24									44.87	
POLK	148.82		90.50					10.70						550.53		2,856.53	107.14	24.25					14.30	
PUTNAM										32.03				4.00										
SANTA ROSA					1,313.17					31.50		4.00											6.56	
SARASOTA			770.43			30.04					46.00													
ST. JOHNS (Anastasia)			306.00								4.00			251.50	7,568.00								66.00	
ST. LUCIE				0.25	123.39				0.10	5.84	4.87	1,057.00	1,192.86										8.00	
SUNTER																								
TAYLOR																								
VOLUSIA (East)	464.80		300.01				2,020.00	1.10	2.37														45.88	
WALTON - NORTH												20.00			328.00	136.00								
WALTON - SOUTH			0.15							0.62	3.20	1.00			267.58								5.41	
WAKULLA																								
WASHINGTON																								
TOTAL ACRES	188,292.53	2,725.00	2,174.88	4.00	84,850.94	54.04	12,821.56	3,594.47	2,154.60	93.97	32,472.11	1,192.86	6,857.00	25,287.63	37,798.04	187.16	53.47	20.00	14.00	38.41	16,791.10	1,095.27	211.70	

Florida Mosquito Larviciding by Formulation and Active Ingredients during Fiscal Year 1997-1998

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	1,380.15	5,520.60	188,292.53	0.0293193	11
Abate 1 SG	Temephos	0.01	lb/lb	15,940.00	159.40	2,725.00	0.0584954	1
5 % Skeeter Abate	Temephos	0.05	lb/lb	9,422.60	471.13	2,174.88	0.216623	14
Abate Products Subtotal	Temephos	N/A	N/A	N/A	6,151.13	193,192.41	0.101	
1.5% Altosid XRG	s-Methoprene	0.02	lb/lb	21.25	0.32	4.00	0.0796875	2
SR - 10	s-Methoprene	0.86	lb/gal	6.08	5.23	54.04	0.096758	2
5% A.L.L.	s-Methoprene	0.43	lb/gal	1,420.29	610.72	84,850.94	0.00719762	9
20% A.L.L.	s-Methoprene	1.72	lb/gal	1,030.77	1,772.92	12,821.56	0.138277	5
4% Pellets	s-Methoprene	0.04	lb/lb	9,369.29	374.77	3,594.67	0.104258	13
30 Day Briquet	s-Methoprene	0.00	lb/briq	208,894.00	196.36	2,154.60	0.0911354	18
XR Briquet	s-Methoprene	0.00	lb/briq	14,667.00	21.24	93.97	0.226014	13
Altosid Products Subtotal	s-Methoprene	N/A	N/A	N/A	2,976.02	103,573.77	0.0993	
0.26% B.t.i	d-Endotoxin	0.00	lb/lb	15,680.00	47.04	1,192.86	0.0394347	1
0.2% B.t.i	d-Endotoxin	0.00	lb/lb	225,760.95	451.52	32,472.11	0.0139049	18
0.4% B.t.i	d-Endotoxin	0.00	lb/lb	34,655.25	138.62	6,857.00	0.020216	5
1.2% B.t.i	d-Endotoxin	0.01	lb/gal	5,806.74	69.68	25,287.63	0.00275553	23
1.6% B.t.i	d-Endotoxin	0.02	lb/gal	2,694.38	43.11	37,798.04	0.00114054	8
10% B.t.i	d-Endotoxin	0.05	lb/briq	24,514.50	1,103.15	187.16	5.89417	12
B.t.i. Products Subtotal	d-Endotoxin	N/A	N/A	N/A	1,853.13	103,794.80	0.0973	
7.5% Bacillus Sphaericus	Bacillus Sphaericus	0.08	lb/lb	197.46	14.81	53.47	0.276968	3
Dimilin 25W IGR	Diflubenzuron	0.25	lb/lb	1.20	0.30	20.00	0.015	1
Pyrethrum 1% Tossits	Pyrethrum	0.0116	lb/Briq	14.00	0.16	14.00	0.0116	1
BVA 2	Mineral Oil	7.08	lb/gal	194.43	1,376.56	38.41	35.8387	1
Bonide Mosquito Larvicide	Mineral Oil	6.96	lb/gal	3,641.35	25,343.80	1,095.27	23.1393	8
Golden Bear Mosquito Larvicide	Napthenic Oil	7.25	lb/gal	57,694.46	418,284.84	16,791.10	24.9111	19
Oil Products Subtotal	All Oils	N/A	N/A	61,530.24	445,005.20	17,924.78	27.66	
MSF	Isostearyl Alcohol	7.69	lb/gal	79.54	611.66	211.7	2.88929	7
GRAND TOTAL LARVICIDING	All Ingredients	N/A	N/A	N/A	456,612.41	418,784.93	N/A	