

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

PESTICIDES OF CONCERN ARE SHADED (Pesticide Action Network defined "Bad Actors")

Contra Costa County Public Works

For liquid materials: Gal. used x 8.33 lbs/gal H2O x sp. Grav. x % AI

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total Lbs A.I. Used FY 00-01	Total Lbs A.I. Used FY 04-05	Total Lbs A.I. Used 07-08	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used	Total Lbs A.I.	Amt Used	Total Lbs A.I.	
														FY 14-15	Used 14-15	FY 15-16	Used 15-16	
Liquid Materials														(gallons)		(gallons)		
Adjuvant	Activator 90	36208-50014	1.040	90.000	4786.31	3592.41	4248.36	3381.90										
Adjuvant	Agri-Dex	5905-50094-AA	0.879	99.000												84.75	614.34	
Glyphosate, isopropylamine salt	AquaMaster	524-343	1.205	53.800			814.09	662.88	487.37	322.67	446.22	301.06	255.16	26.38	142.46			
	Chemtrol	36208-50015	0.995	1.000	1.16						1.82		0.70					
Sodium salt of Imazxamox	Clearcast	241-437-AA-67690	1.049	12.100									5.29	3.50	3.70	3.31	3.50	
Copper ethanalamine complexes, mixed	Citrine Plus	8959-10-AA	1.206	9.000	58.78		40.69					6.78	4.52					
Dithiopyr	Dimension 2EW	62719-542-AA	1.001	24.000												0.31	0.62	
Indaziflam	Esplanade 200 SC	432-1516-AA	1.050	19.050								4.17	41.66	25.14	41.89	28.44	47.39	
Adjuvant	Foam Fighter F	36208-50015	0.995	5.000	0.52		0.52											
Dimethyl silicone fluid emulsion	Foam Fighter F	36208-50003, 72-50005-AA	1.000	10.000				0.94	0.62	0.62	0.42	0.73	0.52					
Triclopyr triethylamine salt	Garlon 3A	62719-37-ZA	1.135	44.400	268.66	459.66	1862.78	1547.95	2048.03	1165.94	757.71	1008.02	502.44	166.75	699.99	153.13	642.81	
Triclopyr BEE	Garlon 4	62719-40	1.060	61.600	278.76	67.28	155.02	106.77	111.50	1.36	2.72	10.88	19.04					
Oxyfluorfen	Goal	707-174	0.990	19.400	3.20													
Oxyfluorfen	Goal Tender	62719-447-ZA	1.170	41.000					7.99		16.50	2.00				13.38	53.47	
Oxyfluorfen	Goal	707-243	1.120	22.000			13.34											
Imazapyr, isopropylamine salt	Habitat	241-426-AA	1.068	28.700				5.75	17.08	34.40	13.10	5.75	2.25	2.19	5.59	3.55	9.07	
Heavy-range paraffin based petroleum oil+nonionic emulsifiers	Helena Agri-Dex	5905-50017-AA	0.879	99.000										2.00	14.50			
Aminopyralid, tri isopropanolamine salt	Milestone	62719-519-AA	1.140	40.600												4.75	18.31	
Aminopyralid, tri isopropanolamine salt	Milestone VM	62719-537-AA	1.140	40.600			173.26	238.42	241.39	229.05	225.43	120.12	57.36	13.09	50.48	8.72	33.63	
Adjuvant	M.O.C. Methylated Oil Concentrate	5905-50095-AA	0.891	100.000												2.75	20.41	
Adjuvant	MSO Conc w/Leci-Tech	34704-50053-AA	0.900	100.000										0.38	2.85			
Adjuvant	No Foam A	11656-50086-ZA & AA	1.050	90.000				253.87	2731.53	2292.68	2267.57	2290.71	1817.22	209.00	1645.22	121.75	958.40	
Adjuvant	No Foam A	1050775-50015-AA	1.060	90.000												0.5	3.97	
Pendimethalin	Pendulum Aquacap	241-416-AA	1.175	38.700		121.21					28.41					5.00	18.94	
Sethoxydim	Poast	7969-58	0.935	18.000		5.61	20.33											
Imazapyr, isopropylamine salt	Polaris	228-534-AA	1.057	27.700								26.83	29.32			0.33	0.80	
Triclopyr TEA	Renovate 3	62719-37-67690	1.140	44.400		277.27	324.71	309.95	171.84	137.05	183.44	145.49	366.88	35.13	148.15	27.63	116.52	
Glyphosate,	Rodeo	524-343	1.205	53.800	1193.46	660.83												
Glyphosate, isopropylamine salt	Roundup Custom	524-343-ZC & ZG	1.206	53.800										29.94	161.82	49.19	265.86	
	Roundup Pro	524-475-ZA & ZB	1.170	41.000	2041.43									12.00	47.96	36.63	146.41	
Glyphosate, isopropylamine salt	Roundup Pro Conc.	524-529	1.199	50.200		2352.35	588.28	1153.95	937.84	1006.75	1092.55	1496.00	1369.00	240.75	1206.57	238.63	1195.95	
Glyphosate, isopropylamine salt	Roundup Tough Weed Formula	239-2636	1.070	18.000								98.07						
Maleic hydrazide	Royal Slo Gro	400-94-AA	1.135	21.700								41.03						
Imazapyr, isopropylamine salt	Stalker	241-398	1.050	27.600	13.58	318.05	20.98	9.05										

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works (continued)

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total Lbs A.I. Used FY 00-01	Total Lbs A.I. Used FY 04-05	Total Lbs A.I. Used 07-08	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used		Total Lbs A.I.		
														FY 14-15	Used 14-15	FY 15-16	Used 15-16	
Liquid Materials														(gallons)		(gallons)		
Adjuvant	Silicone Super Wetter	17545-50029-AA	0.994	100.000									1.57					
Adjuvant	Silwet L-77	36208-50025	1.007	100.000	14.26		8.39					15.77						
Oryzalin	Surflan A.S.	62719-113	1.188	40.400	56.97	39.98												
Oryzalin	Surflan A.S.	70506-44	1.236	40.400			112.33	87.36	47.84	33.28	2.08			12.00	49.92			
Adjuvant/Surfactant	Surphtac	68891-50001-AA	1.118	53.400	197.06	189.57												
Adjuvant/Surfactant	Surphtac	11656-50093	1.180	53.400			112.85	190.95	181.77	129.28	168.65	173.90	152.22	20.81	109.23	11.56	60.68	
Adjuvant/Surfactant	Surphtac	34704-50086	1.096	33.000												9.56	28.80	
Clopyralid	Transline	62719-259	1.161	40.900	89.00	286.77	48.81	6.17										
Adjuvant	Unfoamer	34704-50062-AA	1.000	12.500										0.5	0.52	0.13	0.14	
	Vanquish	55947-46	1.250	56.800	1360.29													
Dicamba, diglycolamine salt	Vanquish	228-397	1.250	56.800			906.37	707.53	97.59		40.69	333.45	4.44	24.56	145.26	7.5	44.36	
	Weedar 64	71368-1-264	1.160	38.900	1979.96	357.09	18.79											
Dry Materials														(pounds)		(pounds)		
	Dimension Ultra 40 WP	62719-445	N/A	40.000		0.00											3.75	1.50
	Diuron 80DF	66222-51	N/A	80.000			960.00	640.00										
	Direx 80DF	352-508-1812	N/A	80.000	2300.00													
	Endurance	55947-43	N/A	65.000	983.45	52.00												
Prodiamine	Endurance	228-398	N/A	65.000			1194.05	789.75	855.40	689.00								
Isoxaben	Gallery 75DF	62719-145	N/A	75.000	40.50	39.00	51.75	59.25	54.75	2.63	3.00	15.75	11.25	48.50	36.38			
	Gallery SC	62719-658 AA	N/A	45.450										13.00	5.91	452.50	205.66	
Sulfometuron methyl	Oust	352-401	N/A	75.000	20.53	137.25	152.25	108.12	76.55									
	Oust XP	352-601	N/A	75.000						75.85	96.61	14.25	9.56					
	Predict	55947-78	N/A	78.600	389.07													
Prodiamine	ProClipse 65 WDG	228-434	N/A	65.000						201.50	361.40	448.50	31.20	383.00	248.95			
Prodiamine	Resolute 65WG	100-834-ZE	N/A	65.000												148.00	96.20	
	Ronstar 50WSP	264-538	N/A	50.000	60.00													
	Simtrol 90DF	35915-12-60063	N/A	90.000	387.00													
Tebuthiuron	Spike 80DF	62719-107	N/A	80.000	48.00	72.00	48.00	96.00	96.00	105.60						24.00	19.20	
Chlorsulfuron	Telar DF	352-522-ZA	N/A	75.000										1.00	0.75			
Chlorsulfuron	Telar XP	352-654-AA	N/A	75.000						4.88	5.16	6.00	6.76	16.00	12.00	0.63	0.47	
Chlorsulfuron	Telar	352-404	N/A	75.000	19.031	10.448	13.313	10.88		6.38								
TOTAL:					16590.97	12589.20	11889.25	10367.44	8165.12	6438.92	5713.48	6565.25	4688.34		4780.08		4607.39	
"Bad Actors" w/May 2013 changes					5764.53	2653.88	3493.47	2883.09	2545.49	1582.41	1117.04	1340.19	1032.82		1020.03		779.00	

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works, Special Districts

Name of Product Applied	EPA or Calif. Reg #	Specific Gravity	% A.I.	Total Lbs A.I. Used FY 07-08 & before	Amt Used FY 08-09	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used FY 14-15 (gallons)	Total Lbs A.I. Used 14-15	Amt Used FY 15-16 (gallons)	Total Lbs A.I. Used 15-16
Liquid Materials															
Gal. used x 8.33 lbs/gal H2O x sp. Grav. x %AI															
Glyphosate	Roundup ProMax	524-579	1.36	48.7	no data	0.00	0.00	0.00	26.45						
Dry Materials															
Amt. used x % AI (pounds)															
Bromethelin	Talpid Mole Bait	12455-101	N/A	0.025	no data				0.000008						
Chlorphacinone	Chlorophacinone	11071-CA-001	N/A	0.005	no data					0.00220					
Chlorphacinone	Chlorophacinone Treated Grain Rodent Bait	10965-50004ZA	N/A	0.005	no data	0.00	0.00	0.00	0.000190	0.0014375					
Diphacinone	Diphacinone Treated Grain Rodent Bait	10965-50003	N/A	0.010	no data				0.0001500						
Diphacinone	Diphacinone Treated Grain Rodent Bait	10965-50001-ZA	N/A	0.005	no data					0.00375	0.00225	29.00	0.00145	1.00	0.00005
Diphacinone	Eaton's Answer	56-57	N/A	0.005	no data	46.50	0.002325	0.00210	0.0009750	0.00095	0.00195	16.00	0.00080	17.00	0.00085
Diphacinone	Eaton's Bait Blocks	56-42	N/A	0.005	no data	2.00	0.0001	0.000250	0.00020	0.00060	0.00020	8.50	0.00043	9.50	0.00048
Aluminum phosphide	Fumitoxin	72959-1-5857	N/A	55.000	no data	0.00	0.00	0.00	0.81						
Strychnine Alkaloid	Gopher Getter AG Bait	36029-7	N/A	0.500	no data	0.00	0.00	0.00	0.0020						
Diphacinone	Gopher Getter Type 2 AG Bait	36029-23	N/A	0.005	no data	0.00	0.00	0.00	0.0002						
Diphacinone	Gopher Getter Type 2 AG Bait	36029-24	N/A	0.005	no data				0.0004025	0.00009					
Diphacinone	P.C.Q. Pelleted Rodent Bait	12455-50003-AA	N/A	0.010	no data				0.0005000	0.00365					
Aluminum phosphide	Phostoxin	72959-4	N/A		no data	19.62	10.79	9.20							
Oxadiazon	Ronstar G	432-886	N/A	2.000	no data				6.00						
Chlorphacinone	Rozol	7173-242	N/A	0.005	no data					0.00010					
Aluminum phosphide	Weevil-cide	70506-13	N/A	60.000	no data	0.00	0.00	0.66	11.64	6.7320000	7.140	1.59000			
Zinc phosphide	ZP Rodent Bait AG	12455-17	N/A	2.000	no data	0.000	0.000	0.000	0.02						
TOTAL						10.79	9.86	44.92	6.735666	7.151343	1.594400	0.00268	0.00138		
"Bad Actors" w/May 2013 changes						10.79	9.86	12.47	6.73	7.14	1.59	0.04 oz	0.02		
												0.00	0.00		

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Department of Agriculture

Gal. used x 8.33 lbs/gal H2O x sp. Grav. x %AI

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total Lbs A.I. Used FY 00-01	Total Lbs A.I. Used FY 04-05	Total Lbs A.I. Used FY 07-08	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used FY 14-15 (gallons)	Total Lbs A.I. Used 14-15	Amt Used FY 15-16 (gallons)	Total Lbs A.I. Used 15-16
<i>Liquid Materials</i>																	
glyphosate	Aquamaster	524-343	1.205	53.80								5.29	16.85				
glyphosate	Aqua Neat	228-365-AA	1.224	53.80		1.15											
glyphosate	Aqua Neat	228-365-4581	1.201	53.80							26.91						
esfenvalerate	Asana XL	352-515	0.930	8.40		0.00		0.09	0.01								
Dicamba & 2,4 D	Banvel	55947-1	1.211	48.20	72.51	0.00											
	2,4-D	34704-5	1.163	46.50	24.78	87.30											
	Bivert	2935-50157-AA	0.790	100.00	6.12	0.00											
	Carbaryl ("7")	54705-4	1.100	41.20	30.01	0.00											
dicamba, diglycolamine salt	Clarity	7969-137	1.250	58.10		719.91	425.96	174.84	286.87	400.67	281.73	230.61	152.45	14.76	89.29	2.55	15.43
Triclopyr, butoxyethyl ester	Garlon 4 Ultra	62719-527	1.110	60.45												8.85	49.47
Triclopyr, butoxyethyl ester	Garlon 4	464-554	1.082	61.60	13.88	0.00											
imazapyr isopropylamine salt	Habitat	241-426	1.068	28.70	0.00	0.00	1.33	1.20	0.72	1.35	0.26	0.92	0.23				
surfactant	Hasten	2935-50160	0.900	100.00						1.20	0.15						
Adjuvant	Herbicide Activator (First Choice)	11656-50024-ZC	0.900	100.00		0.00		0.94									
Drift retardant-oils	In Place	2935-50169	0.880	100.00								59.45	45.82	0.41	2.98		
Aminopyralid, trisopropanolammonium salt	Milestone	62719-519	1.140	40.60		0.00	33.74	10.60	38.06	43.42	17.70	21.52	24.18	3.13	12.07	0.98	3.78
Aminopyralid, trisopropanolammonium salt & triclopyr, triethylamine salt	Milestone VM Plus	62719-572	1.140	18.44		0.00		7.88	8.91	0.09	6.57						
surfactant	Pro-Tron	71058-50008-AA	0.984	95.00						195.84	51.47	137.75	165.86	4.93	38.39	0.11	0.86
Adjuvant	R-11	2935-50142-AA	1.020	90.00	389.99	216.48	180.09	71.80	170.14	1.76							
Clopyralid, triethylamine salt & triclopyr, triethylamine salt	Redeem	62719-337	1.140	45.10		19.28			0.30								
Glyphosate, isopropylamine salt	Rodeo	524-343	1.205	53.80	13.50	0.00											
Glyphosate, isopropylamine salt	Roundup Pro	524-475	1.170	41.00	276.35	75.90	104.04	195.97	182.66								
Glyphosate, isopropylamine salt	Roundup Pro Conc.	524-529	1.199	50.20						152.67	149.51	63.88	85.84	1.69	8.47	1.09	5.47
imazapyr isopropylamine salt	Stalker	241-296	1.060	27.60		0.00		0.30	0.56								
imazapyr isopropylamine salt	Stalker	241-398	1.060	27.60							1.61	0.71		0.0004	0.001		

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Department of Agriculture (continued)

Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total Lbs A.I. Used FY 00-01	Total Lbs A.I. Used FY 04-05	Total Lbs A.I. Used FY 07-08	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used FY 14-15	Total Lbs A.I. Used 14-15	Amt Used FY 15-16	Total Lbs A.I. Used 15-16		
Liquid Materials													(gallons)		(gallons)			
Picloram potassium salt	Tordon 22K	464-323	1.140	24.40	3.55	0.00												
Clpyralid, monoethanolamine salt	Transline	62719-259	1.161	40.90	277.99	13.92	0.03	0.01										
Adjuvant	Tri-Fol Buffer	2935-50152-AA	1.120	34.00		0.00	0.25											
dicamba, diglycolamine salt	Vanquish	55947-46	1.250	56.80	299.20	0.00	1.83	0.24										
dicamba, diglycolamine salt	Vanquish	100-884	1.250	56.80				0.35										
Triclopyr, butoxyethyl ester	Remedy	62719-552	1.080	61.60		0.00	16.63											
Dry Materials													(pounds)		(pounds)			
				Amt . Used x %AI														
Diphacinone	Diphacinone .005%	10965-50001-ZA	N/A	0.005	0.04	0.01	0.03	0.04	0.03	0.00	0.23	0.09	0.07	260	0.013	731.00	0.03655	
Diphacinone	Diphacinone .01%	10965-50003-ZA	N/A	0.01	1.57	2.56	2.58	2.34	2.78	3.37	3.10	2.75	1.31	27109	2.71	11888.50	1.18885	
Sodium nitrate, charcoal	Gas Cartridge	56228-2	N/A	81.00		0.00	2.58		1.94	2.07	4.56	5.47						
Imidacloprid	Merit 75WSP	3125-439	N/A	75.00	10.19	0.00												
Chlorsulfuron	Telar	352-522	N/A	75.00		0.77	0.14	0.29	0.18	0.89	0.93	5.84	8.09	1.05	0.79			
Picloram potassium salt	Tordon 10K	464-320	N/A	11.60	0.99	0.23			0.36	0.06								
Aluminum phosphide	Weevil-cide	70506-13	N/A	60.00		0.00	0.59			0.95			0.30					
				TOTAL:	1420.66	1137.53	767.11	469.00	693.77	803.69	545.74	534.27	500.98	154.72		76.22		
				"Bad Actors" w/May 2013 changes	131.84	107.58	0.14	0.88	0.48	1.26	1.94	5.84	8.39	0.79		0.00		

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works - Grounds

Gal. used x 8.33 lbs/gal H2O x sp. Grav. x %A

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total Lbs A.I. Used FY 00-01	Total Lbs A.I. Used FY 04-05	Total Lbs A.I. Used FY 07-08	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used FY 14-15 (gallons)	Total Lbs A.I. Used 14-15	Amt Used FY 15-16 (gallons)	Total Lbs A.I. Used 15-16
	<i>Liquid Materials</i>																
Chlorantraniliprole	Acelepryn	352-731	1.094	18.40					0.24								
Clethodim	Arrow 2EC	66222-60	0.970	26.40												0.06	0.13
Dikegulac sodium	Atrimmec	2217-776	1.095	18.50					2.21		0.32						
Prodiamine	Barricade	100-1139						35.01									
Dicamba, MCPA, Triclopyr	Cool Power	228-317						9.27									
Adjuvant	Crop Oil (Monterey Herbicide Helper)	54705-50001-AA	0.900	100.00									0.60				
	Dursban 2E	464-586	1.000	24.10		3.87											
Myclobutanil	Eagle	62719-463						0.06									
	Embark	7182-7-AA	1.110	28.00		0.72											
Bifenazate	Floramite	400-508						0.03									
Ethephon	Florel	62719-145-AA	1.016	3.90		0.33											
Ethephon	Florel	264-543-54705						0.65									
NAA, ammonium salt	Fruit Stop	5481-66-65783						0.43									
Fluazifop-P-butyl	Fusilade II	100-1084	0.980	24.50				0.19		0.50	0.50		0.10				
	Goal	707-174	0.990	19.40	19.34												
	Grass Getter (Poast)	7969-58-ZA-54705	0.935	18.00		0.55											
Hexythiazox	Hexygon	10163-208						0.11									
Petroleum distillates	Lesco Horticultural Oil	10404-66						2.13									
	Knox Out 2 FM	4581-335-449	1.036	23.00		0.89											
	Lindane	7001-279-AA	0.976	87.60		0.64											
Adjuvant	Magnify	17545-50018	1.220	51.50								0.47		0.01	0.05		
	Maintain A	400-396-AA	1.000	0.30		0.01											
	Malathion	655-598	1.032	0.50		0.06											
Adjuvant	No Foam A (Monterey)	54705-50004-AA	1.050	90.00									1.18	0.22	1.73	0.003	0.02
Adjuvant	No Foam A	1050775-50015-AA	1.050	90.00												0.0155	0.12
	NuFarm Polaris	228-534-AA	1.057	27.70										0.04	0.10		
	Ornamec	2217-728-AA	0.880	6.75		0.18											

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Contra Costa County Public Works - Grounds (continued)

Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total Lbs A.I. Used FY 00-01	Total Lbs A.I. Used FY 04-05	Total Lbs A.I. Used FY 07-08	Total Lbs A.I. Used 08-09	Total Lbs A.I. Used 09-10	Total Lbs A.I. Used 10-11	Total Lbs A.I. Used 11-12	Total Lbs A.I. Used 12-13	Total Lbs A.I. Used 13-14	Amt Used FY 14-15 (gallons)	Total Lbs A.I. Used 14-15	Amt Used FY 15-16 (gallons)	Total Lbs A.I. Used 15-16
Liquid Materials																
Glyphosate isopropylamine salt	RangerPro	524-517-ZB	1.169	41.00											14.62	58.37
Glyphosate isopropylamine salt	Razor	228-366					91.73									
Glyphosate, diquat dibromide	Razorburn	228-446	1.146	43.10					4.11							
	Roundup Pro	524-445-ZB	1.020	41.00	156.00	158.75										
Glyphosate isopropylamine salt	Roundup Pro	524-475	1.170	41.00		23.98										
Glyphosate isopropylamine salt	Roundup Pro Conc.	524-529	1.199	50.20		33.89	50.92	41.56	94.11	363.50	351.72	182.55				
Glyphosate potassium salt	Roundup Promax	524-579	1.356	48.70				1.87				290.01	56.51	310.86	55.28	304.09
Nonanoic acid	Scythe	62719-529					0.66									
	Sevin SL	464-586	1.000	24.10	0.12											
Bifenthrin	Talstar	279-3206					0.02									
	Triclopyr 4EC	81927-11-AA	1.100	61.60						5.64	1.41		0.25	1.41		
Dicamba, MCPA, MCPP	Tri Power	228-262					3.79									
Triclopyr BEE	Turflon	62719-258	1.060	61.60	1.96	0.98										
	Turflon Ester	17545-8-AA	1.08	60.45									0.003	0.02		
Dry Materials																
			Amt. Used x %AI										(pounds)		(pounds)	
Isoxaben	Gallery 75 DF	62719-145-AA	N/A	75.00	97.08	102.38	44.42		14.25	4.88	8.25	2.25	18.38	13.79	80.00	60.00
Dithiopyr	Dithiopyr 40 WSB	73220-13	N/A	0.125 lbs ai/5 oz						1.63	2.72		30 oz (6 bags)	0.75	5 oz (1 bag)	0.125
Flumioxazin	Payload	59639-120-ZA	N/A	51.00			0.30					4.75	3.06	1.56	1.92	0.98
	Lindane	20954-107-AA	N/A	99.50	1.00											
	Orthene	59639-88	N/A	75.00	0.52											
Acephate	Orthene	59639-26					0.13									
Sulfometuron methyl	Oust	352-401	N/A	75.00	3.85		0.17									
Oxadiazon	Ronstar WP	264-538	N/A	50.00	648.63	414.50	0.00									
Halosulfuron methyl	Sedgehammer	81880-1-10163	N/A	75.00											0.007	0.005
Halosulfuron methyl	Sedgehammer	81880-24-10163	N/A	5.00							0.10	0.03	0.0015	0.04	0.002	
Flumioxazin	SureGuard	59639-120	N/A	51.00						1.27	12.20	10.79	15.69	8.00	17.33	8.84
Chlorsulfuron	Telar	352-522					0.06									
TOTAL				927.37	684.98	57.87	240.06	45.89	112.97	377.74	376.77	492.33		338.26	432.68	
"Bad Actors" w/May 2013 changes				649.14	421.59	0.00	5.00	0.00	0.50	0.50	0.00	0.10		0.00		0.00

NOTE: The totals for 07-08 only account for Grounds Div. usage and do not include Tru-Green usage.

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

CCC Public Works - Facilities

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total oz. A.I. Used FY 07-08	Amt Used FY 08-09	Total oz. A.I. by wt. Used 08-09	Tot. oz. A.I. by wt. Used 09-10	Tot. oz. A.I. by wt. Used 10-11	Total OZ. A.I. Used 11-12	Total OZ. A.I. Used 12-13		Total OZ. A.I. Used 13-14	Amt Used FY 14-15	Total OZ. A.I. Used 14-15	Amt Used FY 15-16	Total Lbs A.I. Used 15-16
Orthoboric acid	Drax Liquid Bait	9444-206				2.22	0.03										
Sodium Tetraborate Decahydrate (Borax)	Advance Ant Gel	499-492	1.23	5.40					0.01	0.002							
Indoxacarb	Advion Ant Bait Arena	352-664	1.09	0.10						0.077	0.0063		0.00262	164 ea (Net wt of Arena is 0.07 oz)	0.013		
Indoxacarb	Advion Ant Bait Arena	100-1485	1.09	0.10												252 ea (Net wt of Arena is 0.07 oz)	0.02
Sodium Tetraborate Decahydrate	Advance Liquid Ant Bait	499-491	1.24	1.30				4.12	37.79	62.047	72.323		13.14360				
Indoxacarb	Advion Ant Gel	352-746	1.24	0.05					0.03	0.022	0.0346		0.05508	115.64	0.075		
Indoxacarb	Advion Ant Gel	100-1498	1.2	0.05												143.67	0.08965
Indoxacarb	Advion Cockroach Bait Arena	352-668	1.09	0.50						0.005	0.0014		0.00280	10 ea (Net wt of Arena is 0.07 oz)	0.00397		
Indoxacarb	Advion Cockroach Bait Arena	100-1486	1.09	0.50												41 ea (Net wt of Arena is 0.07 oz)	0.01627
Indoxacarb	Advion Cockroach Gel Bait	352-652	1.0442	0.60					0.01	0.000521	0.07871		0.20251	7.13	0.046		
Indoxacarb	Advion Cockroach Gel Bait	100-1484	1.123	0.60												14.61	0.10238
Chlorantraniliprole	Altriset	100-1503	1.094	18.4										2.00	0.419		
Cedar oil	Best Yet Insect Control Solution	Exempt 25b materia	1.00	10.00										128.00	12.800	16.00	1.66400
Cedar oil	Cedarcide PCO Choice Concentrate	Exempt 25b materia	1.00	85.00												10.00	8.84000
White pepper, mineral oil	DeTour for Rodents	Exempt	0.864	3.00										166.00	4.475		
Hydroprene	Gentrol IGR Concentrate	2724-351			0.08												
Hydroprene	Gentrol Point Source	2724-469	0.89	90.60						0.007	0.065					0.018	0.01509
Rosemary Oil	EcoExempt 1C	Exempt			1.66	79.99	8.32	112.49									
2-phenethyl proplionate	EcoPco Acu	67425-14					0.00	0.01									
Sodium Tetraborate Decahydrate (Borax)	Intice Thiquid Ant Bait	73079-7	1.33	1.00									43.26650	3554.00	49.159		
Sodium Tetraborate Decahydrate (Borax)	Intice Thiquid Ant Bait	73079-7	1.33	2.50												4566.00	157.89228
Fipronil	Maxforce Ant Bait Gel	432-1264	1.27	0.00		17.04				0.000013							
Fipronil	Maxforce FC Select Roach Gel	432-1259	1.1414	0.01						0.000006							
Imidacloprid	Maxforce Quantum Ant Bait	432-1506	1.43	0.03										27.90	0.012	31.71	0.01415
Fipronil	Maxforce FC Roach Bait Stations	432-1257	1.00	0.05												1 ea (Net wt of station is 0.053 oz)	0.00003
Hydramethylnon	Maxforce Roach Bait Gel	432-1254		2.15	0.13	1.13	0.03	0.00									
sodium lauryl sulfate	Oh Yeah	Exempt	1	0.70						9.47	18.731	9.57444	7.80416	2222	16.176	78	0.56784
Capsaicin	PIGNX Bird Repellent	844148-EPA	0.86	0.04												20	0.00716
Note: product has 2 a.i. s	Precor 2000	274-483		0.5% permethrin						0.0208							
				0.09% methoprene						0.0000							

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

CCC Public Works - Facilities, cont.

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total oz. A.I. Used FY 07-08	Amt Used FY 08-09	Total oz. A.I. by wt. Used 08-09	Tot. oz. A.I. by wt. Used 09-10	Tot. oz. A.I. by wt. Used 10-11	Total OZ. A.I. Used 11-12	Total OZ. A.I. Used 12-13		Total OZ. A.I. Used 13-14	Amt Used FY 14-15	Total OZ. A.I. Used 14-15	Amt Used FY 15-16	Total OZ. A.I. Used 15-16
Liquid Materials				(fl. ounces)					Oz. by Wt.	Oz. by Wt.		Oz. by Wt.	(fl. oz.)	Oz. by Wt.	(fl. oz.)	Oz. by Wt.	
Note: product has 4a.i. s	Precor 2000 Premise spray	2724-490	1	0.085% methoprene												16.00	0.01414
				0.35% permethrin													0.05820
				0.3% phenothrin													0.04990
				2% bicycloheptene dicarboximide													0.33280
				1.4% Piperonyl butoxide													0.23290
(s) methoprene	Precor IGR Conc	2724-352	0.789	1.20										1	0.010	8.00	0.07877
Foaming agent	Profoam Platinum (foaming agent)	1021148-50001-AA	No data	60.00										2	1.200		
coyote & fox urine	Shake Away: Fox/Coyote	80917-5	1.00	5.00							20.488		2.31400				
Sodium Tetraborate Decahydrate (Borax)	Terro PCO Bait stations	149-8-64405	1.00	5.40				0.12		1.166	0.661			135-0.36 oz stations	2.6244	170-0.36 oz stations	3.43699
Coyote urine	WCS Coyote Urine	N/A	1.00	100.00													

	Dry Materials				OZ. by Wt.					OZ. by Wt.					OZ. by Wt.			
Note: product has 2 a.i. s	Alpine Dust	499-527		0.25% dinotefuran				0.00	0.000									
				95% DE				0.14	0.010									
Incoxacarb	Advion Fire Ant Bait	100-1481		0.05												3.17	0.0014	
	Avert Dry Flowable Bait	499-294			0.00	0.18	0.00	0.00										
Orthoboric acid	Borid	9444-129			0.00	7.00	6.93	0.99										
Amorphous silicon dioxide	Concern Diatomaceous Earth	73729-1-50932		85.00	0.00	0.00	0.00	0.02	2.09	1.700	0.680		0.23	0.1955	0.79	0.6715		
Bromodialone	Contrac Blox	12455-79			0.09	1252.00	0.06	0.02										
non-toxic rodent monitoring food bait	Detex Blox	Eco-019												236	N/A	267	N/A	
Diatomaceous earth	Mother Earth D	499-509		100														
Note: product has 3 a.i. s	Eco PCO WP-X	None		3% phenethyl propionate						0.060	0.0792							
				5% Thyme oil						0.100	0.132							
				0.05% pyrethrins						0.001	0.00132							

CONTRA COSTA COUNTY OPERATIONS - PESTICIDE USE SUMMARY COMPARISON FY 00-01 to FY 15-16, Revised 11-22-16

Note: product has 2 a.i. s	Eco PCO DX	67425-16-655	1% 2-phenethyl propionate								0.00017						
			0.4% pyrethrins								0.000068						
Note: product has 2 a.i.s	Essentira G (granules)	Exempt	2.9 % Eugenol													72	2.088
			0.60% Thyme Oil														0.432
Balsam fir oil	Fresh Cab Rodent Repellent (granules)	82016-1	2.00										8-2.5 oz pouches	0.4			
Oil of black pepper	Havahart Critter Ridder	50932-10	0.48										3.8592	624	2.9952	458	2.1984
CCC Public Works - Facilities, cont.																	

	Name of Product Applied	EPA or Calif. Registration #	Specific Gravity	% A. I.	Total oz. A.I. Used FY 07-08	Amt Used FY 08-09	Total oz. A.I. by wt. Used 08-09	Tot. oz. A.I. by wt. Used 09-10	Tot. oz. A.I. by wt. Used 10-11	Total OZ. A.I. Used 11-12	Tot. oz. A.I. by wt. Used 12-13	Tot. oz. A.I. by wt. Used 13-14	Amt Used FY 14-15	Tot. oz. A.I. by wt. Used 14-15	Amt Used FY 14-15	Tot. oz. A.I. by wt. Used 14-15	
	Dry Materials, cont.					OZ. by Wt.				OZ. by Wt.			OZ. by Wt.		OZ. by Wt.		
Orthoboric acid	Niban FG/Mother Earth Granules	64405-2 499-515		5.00	190.69	2150.56	107.53	62.64	35.98	56.875	156.300		18.75	3144.5	157.225	6038.5	301.925
Fipronil	Maxforce Ant Bait Stations	432-1256		0.05	0.00	4.66	0.00	0.00					0.00008				
Fipronil	Maxforce FC Prof. Insect Cntrl Roach Bait Station	432-1257		0.05									0.00021				
Fipronil	Maxforce Ant Bait Stations	64248-10		0.01					0.000005		0.000055						
Fipronil	Maxforce Roach Bait Stations	64248-11		0.05					0.00028	0.00016	0.000265						
Hydramethylnon	Maxforce Roach Bait Stations	432-1251			0.19	1.48	0.03	0.00									
Boric Acid	Perma Dust	499-384			142.71	682.00	242.11	94.08									
Fox Urine	Shake Away Fox Urine Granules	80917-4		5.00												196.5	9.825
OZ of A.I					335.55		365.04	274.37	85.64	140.824	260.426		89.401		247.829		480.749
LBs of A.I.					20.97		22.81	17.15	5.35	8.80	16.28		5.59		15.49		30.05
OZ of BA					0.41		0.12	0.03	0.00	0.02	0.0014		0.00		0.00		0.0582