

## Summary of Palmer Creek Data 2010-2016

Rating of concern	PESTICIDE	Aquatic life Benchmark (ug/L)	# of Samples	# of analyzed detects	# of results at 0 (ug/L)	Max detect (ug/L)	Min detect (ug/L)	Overall average (ug/L)	Average of Detections (ug/L)	Avg. Detections % of Benchmark	Frequency of Detections (%)	Aquatic life ratio
NA	2,6-Dichlorobenzamide	NA	265	216	49	0.4550	0.0251	0.09910	0.11607		81.51	NA
NA	Deisopropylatrazine	NA	339	257	82	0.5470	0.0044	0.03420	0.03424		75.81	NA
NA	Desethylatrazine	NA	339	144	195	0.5590	0.0038	0.01240	0.02618		42.48	NA
NA	Mexacarbate	NA	367	1	366	0.0056	0.0056	0.00002	0.00556		0.27	NA
NA	Pronamide	NA	409	30	379	0.2280	0.0230	0.00600	0.06657		7.33	NA
4A	<b>Bifenthrin</b>	0.0013	346	7	339	0.0490	0.0218	0.00071	0.03477	2674.69	2.02	37.692
4A	<b>Chlorpyrifos</b>	0.041	409	32	377	0.8420	0.0231	0.00900	0.11507	280.65	7.82	20.54
4A	<b>Diazinon</b>	0.105	409	14	395	5.2100	0.0313	0.02164	0.52366	498.72	3.42	49.62
4A	<b>Dimethoate</b>	0.5	409	5	404	3.0600	0.0214	0.01479	0.86954	173.91	1.22	6.12
2C	<b>Diuron</b>	2.4	417	393	24	88.8000	0.0062	0.63644	0.64736	26.97	94.24	37
2A	Oxyfluorfen	0.33	227	40	187	0.7010	0.0231	0.01215	0.06816	20.65	17.62	2.124
2A	Linuron	0.09	417	12	405	0.1650	0.0060	0.00086	0.02988	33.20	2.88	1.833
2A	Methomyl	0.7	417	7	410	1.0100	0.0082	0.00342	0.20381	29.12	1.68	1.443
1C	Atrazine	1	417	264	153	1.7800	0.0040	0.02700	0.04179	4.18	63.31	1.78
1C	Dimethenamid	8.9	148	48	100	0.9730	0.0242	0.07377	0.14499	1.63	32.43	0.097
1C	Simazine	2.24	417	309	108	6.0300	0.0039	0.14226	0.19069	8.51	74.10	2.692
1C	Metolachlor	10	417	206	211	2.1000	0.0097	0.04385	0.07895	0.79	49.40	0.21
1C	Metribuzin	8.7	417	182	235	0.7720	0.0038	0.01168	0.02670	0.31	43.65	0.089
1C	Metsulfuron Methyl	0.36	203	69	134	0.2960	0.0044	0.01486	0.04195	11.65	33.99	0.806
1C	Aminomethylphosphonic acid (AMPA)	249500	68	68	0	8.8000	0.0676	1.54920	1.54919	0.00	100.00	0
1C	Glyphosate	1800	68	53	15	17.5000	0.0529	1.13373	1.43321	0.08	77.94	0.01
1C	Sulfometuron-methyl	0.45	339	118	221	0.5250	0.0040	0.01448	0.03693	8.21	34.81	1.076
1C	Propiconazole	21	417	146	271	1.7800	0.0190	0.04529	0.08169	0.39	35.01	0.085
1B	Norflurazon	9.7	409	90	319	0.9480	0.0241	0.03066	0.13698	1.41	22.00	0.098
1B	2,4-D	13.1	319	46	273	6.8000	0.1000	0.10877	0.75434	5.76	14.42	0.519
1B	Carbaryl	0.5	417	42	375	0.3780	0.0049	0.00448	0.04390	8.78	10.07	0.756

1B	Pendimethalin	5.2	409	49	360	0.0870	0.0230	0.00493	0.04112	0.79	11.98	0.017
1B	DEET	37500	417	69	348	0.1630	0.0051	0.00569	0.03438	0.00	16.55	0.003
1B	Imidacloprid	1.05	417	56	361	0.6830	0.0071	0.01307	0.09194	8.76	13.43	0.65
1B	Pyraclostrobin	1.5	409	48	361	0.1060	0.0042	0.00204	0.01797	1.20	11.74	0.071
1A	Tebuthiuron	50	406	37	369	0.2850	0.0267	0.00661	0.07249	0.14	9.11	0.006
1A	Acetamiprid	2.1	367	10	357	0.0214	0.0040	0.00027	0.01008	0.48	2.72	0.007
1A	Dichlobenil	30	262	24	238	0.2490	0.0224	0.00646	0.06932	0.23	9.16	0.008
1A	Imazapyr	24	365	7	358	0.7330	0.0685	0.00485	0.25279	1.05	1.92	0.031
1A	Trifluralin	1.14	409	22	387	0.0780	0.0240	0.00238	0.03683	3.23	5.38	0.069
1A	Bromacil	6.8	407	4	403	0.0888	0.0402	0.00062	0.06355	0.93	0.98	0.013
1A	2,4-DB	932	213	5	208	1.0000	0.6000	0.01831	0.78000	0.08	2.35	0.001
1A	Ametryn	3.67	403	1	402	0.0075	0.0075	0.00002	0.00753	0.21	0.25	0
1A	Carbofuran	0.75	417	7	410	0.1970	0.0044	0.00074	0.04449	5.93	1.68	0.263
1A	Dicamba	61	216	9	207	0.0020	0.0003	0.00003	0.00074	0.00	4.17	0.033
1A	Dichlobenil	30	262	24	238	0.2490	0.0220	0.00647	0.06932	0.23	9.16	0
1A	Endosulfan sulfate	1.9	409	19	390	0.0920	0.0222	0.00219	0.04710	2.48	4.65	0.048
1A	EPTC	800	409	5	404	0.0642	0.0250	0.00058	0.04760	0.01	1.22	0
1A	Ethoprop	0.8	409	23	386	0.4210	0.0221	0.00632	0.11233	14.04	5.62	0.526
1A	Hexazinone	7	409	17	392	0.1680	0.0240	0.00221	0.05307	0.76	4.16	0.024
1A	Methiocarb	0.1	414	6	408	0.0350	0.0059	0.00024	0.01625	16.25	1.45	0.085
1A	Napropamide	1100	409	1	408	0.0260	0.0260	0.02600	0.02600	0.00	0.24	0
1A	Pentachlorophenol	25	216	1	215	0.0900	0.0900	0.00042	0.09000	0.36	0.46	0
1A	Propazine	24.8	417	3	414	0.0140	0.0045	0.00006	0.00865	0.03	0.72	0
1A	Triclopyr	26	323	22	301	0.0075	0.0003	0.00009	0.00135	0.01	6.81	0.288

**Rating of Concern**

4A,4B, 4C, 3B	Concern
3A, 3B, 2B, 2C	Watch
2A,1A,1B,1C	Little Concern

**Average of Detections % of Benchmark**

0 - 20%	
21 - 50%	
> 50%	
100%	

**Frequency of Detection**

0 - 10%	
11 - 30%	
> 30%	