

Appendix C. PRZM/EXAMS input/output for vinclozolin residues of concern

stored as vinclozolin_total.out

Chemical: vinclozolin_total

PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007 at 12:03:48

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.108	6.012	5.647	3.836	3.017	0.746
1962	25.21	24.81	23.75	21.67	20.2	11.36
1963	28.98	28.7	28.07	26.98	26.77	23.65
1964	31.01	30.84	30.02	28.52	27.64	24.08
1965	29.42	29.27	25.21	24.73	24.33	22.41
1966	29.24	29.15	28.83	28.42	27.94	25.19
1967	48.1	47.61	46.49	43.87	42.56	35.82
1968	38.95	38.78	38.16	37.38	36.78	32.94
1969	39.03	38.87	38.36	37.62	37	32.57
1970	37.37	37.25	36.63	35.7	34.96	31.15
1971	33.43	33.31	32.89	32.02	31.76	28.66
1972	31.36	31.16	30.54	29.24	27.99	24.6
1973	38.01	37.77	36.91	35.12	34.5	31.41
1974	38.85	38.64	37.9	36.68	36.15	32.26
1975	33.76	33.59	33.03	32.08	32.09	29.46
1976	32.37	28.96	28.52	27.7	27.33	25.29
1977	36.63	36.33	35.25	33.49	32.77	28.92
1978	38.24	38.04	37.27	36.67	36.34	32.47
1979	39.87	39.66	39.14	37.86	37.4	33.68
1980	42.43	42.24	42.07	41.1	40.88	36.33
1981	43.35	41.98	39.98	38.32	37.31	34.57
1982	65.48	64.76	62.14	58.94	57.48	51.38
1983	60.17	59.9	59.23	58.26	57.5	51.62
1984	52.38	52.22	51.61	50.46	49.6	44.36
1985	45.29	45.15	44.58	43.73	43.54	39.59
1986	46.15	45.92	45.21	44.4	43.45	38.79
1987	39.57	39.42	38.86	37.8	37.38	33.95
1988	33.28	33.2	32.88	32.48	32.05	29.21
1989	29.52	29.43	29.09	28.5	28.16	25.71
1990	26.8	26.71	26.35	26	25.85	23.58

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	65.48	64.76	62.14	58.94	57.5	51.62
0.0645161290322581	60.17	59.9	59.23	58.26	57.48	51.38
0.0967741935483871	52.38	52.22	51.61	50.46	49.6	44.36
0.129032258064516	48.1	47.61	46.49	44.4	43.54	39.59
0.161290322580645	46.15	45.92	45.21	43.87	43.45	38.79
0.193548387096774	45.29	45.15	44.58	43.73	42.56	36.33
0.225806451612903	43.35	42.24	42.07	41.1	40.88	35.82
0.258064516129032	42.43	41.98	39.98	38.32	37.4	34.57
0.290322580645161	39.87	39.66	39.14	37.86	37.38	33.95
0.32258064516129	39.57	39.42	38.86	37.8	37.31	33.68

0.354838709677419	39.03	38.87	38.36	37.62	37	32.94
0.387096774193548	38.95	38.78	38.16	37.38	36.78	32.57
0.419354838709677	38.85	38.64	37.9	36.68	36.34	32.47
0.451612903225806	38.24	38.04	37.27	36.67	36.15	32.26
0.483870967741936	38.01	37.77	36.91	35.7	34.96	31.41
0.516129032258065	37.37	37.25	36.63	35.12	34.5	31.15
0.548387096774194	36.63	36.33	35.25	33.49	32.77	29.46
0.580645161290323	33.76	33.59	33.03	32.48	32.09	29.21
0.612903225806452	33.43	33.31	32.89	32.08	32.05	28.92
0.645161290322581	33.28	33.2	32.88	32.02	31.76	28.66
0.67741935483871	32.37	31.16	30.54	29.24	28.16	25.71
0.709677419354839	31.36	30.84	30.02	28.52	27.99	25.29
0.741935483870968	31.01	29.43	29.09	28.5	27.94	25.19
0.774193548387097	29.52	29.27	28.83	28.42	27.64	24.6
0.806451612903226	29.42	29.15	28.52	27.7	27.33	24.08
0.838709677419355	29.24	28.96	28.07	26.98	26.77	23.65
0.870967741935484	28.98	28.7	26.35	26	25.85	23.58
0.903225806451613	26.8	26.71	25.21	24.73	24.33	22.41
0.935483870967742	25.21	24.81	23.75	21.67	20.2	11.36
0.967741935483871	6.108	6.012	5.647	3.836	3.017	0.746

0.1	51.952	51.759	51.098	49.854	48.994	43.883
Average of yearly averages:						30.5252

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: vinclozolin_total

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: vinclozolin_total

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	286.11	g/mol	
Henry's Law Const.	henry	3.8e-7		atm-m ³ /mol
Vapor Pressure	vapr	2.6e-6	torr	
Solubility	sol	2.6	mg/L	
Kd	Kd	mg/L		
Koc	Koc	532	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	0	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	1.51	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	02-10	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	10	days	Set to 0 or delete line for single app.
app. rate 1	apprate	1.51	kg/ha	
Interval 2	interval	10	days	Set to 0 or delete line for single app.
app. rate 2	apprate	1.51	kg/ha	

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of
entire run)