

Appendix E. Example PRZM/EXAMS input/output file for iprodione total residues of concern (high-end drench use on ornamentals)

stored as run_13A.out

Chemical: iprodione

PRZM environment: CANurserySTD.txt modified Tuesday, 26 August 2008 at 06:16:36

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

Metfile: w23188.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	1480	1450	1360	774	575	276
1962	3210	3160	3000	2870	2770	2400
1963	6020	5970	5800	5080	4670	3600
1964	6190	6180	5810	5690	5630	5470
1965	11000	10900	10700	9480	8320	6620
1966	13400	13300	13100	12200	11700	10300
1967	16200	16200	15900	15000	14300	13400
1968	16100	16100	16000	15800	15800	15600
1969	20500	20400	20200	19900	19700	18900
1970	22100	22000	21900	21100	20800	20300
1971	23600	23600	23300	23100	22900	22000
1972	25100	25000	24900	24400	23900	23300
1973	25000	25000	24900	24700	24500	24400
1974	29900	29900	29500	27600	26900	25800
1975	29200	29100	29000	28800	28800	28500
1976	30100	29900	29800	29700	29700	29300
1977	33400	33400	33200	32900	32800	31400
1978	34200	34200	33800	33200	33100	32900
1979	35300	35300	35100	34900	34800	34500
1980	38100	38000	37800	37600	37400	36800
1981	41300	41300	41000	39200	38600	37800
1982	41600	41500	41400	41100	40800	40600
1983	41700	41700	41600	41500	41500	41300
1984	41600	41600	41500	41400	41300	41100
1985	49500	49400	48900	46900	44800	42000
1986	49500	49500	49300	49000	48700	47500
1987	50700	50700	50500	50100	49800	49200
1988	52200	52200	52000	51400	51100	50800
1989	53600	53600	51900	51800	51700	51300
1990	54200	54100	53900	53700	53600	52900

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	54200	54100	53900	53700	53600	52900
0.0645161290322581		53600	53600	52000	51800	51700
0.0967741935483871		52200	52200	51900	51400	51100
0.129032258064516	50700	50700	50500	50100	49800	49200
0.161290322580645	49500	49500	49300	49000	48700	47500
0.193548387096774	49500	49400	48900	46900	44800	42000
0.225806451612903	41700	41700	41600	41500	41500	41300
0.258064516129032	41600	41600	41500	41400	41300	41100
0.290322580645161	41600	41500	41400	41100	40800	40600
0.32258064516129	41300	41300	41000	39200	38600	37800

0.354838709677419	38100	38000	37800	37600	37400	36800
0.387096774193548	35300	35300	35100	34900	34800	34500
0.419354838709677	34200	34200	33800	33200	33100	32900
0.451612903225806	33400	33400	33200	32900	32800	31400
0.483870967741936	30100	29900	29800	29700	29700	29300
0.516129032258065	29900	29900	29500	28800	28800	28500
0.548387096774194	29200	29100	29000	27600	26900	25800
0.580645161290323	25100	25000	24900	24700	24500	24400
0.612903225806452	25000	25000	24900	24400	23900	23300
0.645161290322581	23600	23600	23300	23100	22900	22000
0.67741935483871	22100	22000	21900	21100	20800	20300
0.709677419354839	20500	20400	20200	19900	19700	18900
0.741935483870968	16200	16200	16000	15800	15800	15600
0.774193548387097	16100	16100	15900	15000	14300	13400
0.806451612903226	13400	13300	13100	12200	11700	10300
0.838709677419355	11000	10900	10700	9480	8320	6620
0.870967741935484	6190	6180	5810	5690	5630	5470
0.903225806451613	6020	5970	5800	5080	4670	3600
0.935483870967742	3210	3160	3000	2870	2770	2400
0.967741935483871	1480	1450	1360	774	575	276

0.1 52050 52050 51760 51270 50970 50640

Average of yearly averages: 28008.8666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run_13A

Metfile: w23188.dvf

PRZM scenario: CANurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: iprodione

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	330.2	g/mol	
Henry's Law Const.	henry	9.0e-9		atm-m ³ /mol
Vapor Pressure	vapr	2.7e-7	torr	
Solubility	sol	13	mg/L	
Kd	Kd		mg/L	
Koc	Koc	553	mg/L	
Photolysis half-life	kdp	67	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		cm	
Application Rate: TAPP		25.15	kg/ha	
Application Efficiency:	APPEFF	1	fraction	
Spray Drift	DRFT	0	fraction of	application rate applied to pond
Application Date	Date	01-01	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	14	days	Set to 0 or delete line for single app.
app. rate 1	apprate	25.15	kg/ha	
Interval 2	interval	14	days	Set to 0 or delete line for single app.
app. rate 2	apprate	25.15	kg/ha	
Interval 3	interval	14	days	Set to 0 or delete line for single app.
app. rate 3	apprate	25.15	kg/ha	
Interval 4	interval	14	days	Set to 0 or delete line for single app.

app. rate 4	apprate	25.15	kg/ha	
Interval 5	interval	14	days	Set to 0 or delete line for single app.
app. rate 5	apprate	25.15	kg/ha	
Interval 6	interval	14	days	Set to 0 or delete line for single app.
app. rate 6	apprate	25.15	kg/ha	
Interval 7	interval	14	days	Set to 0 or delete line for single app.
app. rate 7	apprate	25.15	kg/ha	
Interval 8	interval	14	days	Set to 0 or delete line for single app.
app. rate 8	apprate	25.15	kg/ha	
Interval 9	interval	14	days	Set to 0 or delete line for single app.
app. rate 9	apprate	25.15	kg/ha	
Interval 10	interval	14	days	Set to 0 or delete line for single app.
app. rate 10	apprate	25.15	kg/ha	
Interval 11	interval	14	days	Set to 0 or delete line for single app.
app. rate 11	apprate	25.15	kg/ha	
Interval 12	interval	14	days	Set to 0 or delete line for single app.
app. rate 12	apprate	25.15	kg/ha	
Interval 13	interval	14	days	Set to 0 or delete line for single app.
app. rate 13	apprate	25.15	kg/ha	
Interval 14	interval	14	days	Set to 0 or delete line for single app.
app. rate 14	apprate	25.15	kg/ha	
Interval 15	interval	14	days	Set to 0 or delete line for single app.
app. rate 15	apprate	25.15	kg/ha	
Interval 16	interval	14	days	Set to 0 or delete line for single app.
app. rate 16	apprate	25.15	kg/ha	
Interval 17	interval	14	days	Set to 0 or delete line for single app.
app. rate 17	apprate	25.15	kg/ha	
Interval 18	interval	14	days	Set to 0 or delete line for single app.
app. rate 18	apprate	25.15	kg/ha	
Interval 19	interval	14	days	Set to 0 or delete line for single app.
app. rate 19	apprate	25.15	kg/ha	
Interval 20	interval	14	days	Set to 0 or delete line for single app.
app. rate 20	apprate	25.15	kg/ha	
Interval 21	interval	14	days	Set to 0 or delete line for single app.
app. rate 21	apprate	25.15	kg/ha	
Interval 22	interval	14	days	Set to 0 or delete line for single app.
app. rate 22	apprate	25.15	kg/ha	
Interval 23	interval	14	days	Set to 0 or delete line for single app.
app. rate 23	apprate	25.15	kg/ha	
Interval 24	interval	14	days	Set to 0 or delete line for single app.
app. rate 24	apprate	25.15	kg/ha	
Interval 25	interval	14	days	Set to 0 or delete line for single app.
app. rate 25	apprate	25.15	kg/ha	

Record 17: FILTRA

IPSCND 1

UPTKF

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)