



Appendix B. Input Files for Tier 2 Aquatic Exposure Modeling for the Propyzamide Red-legged Frog Assessment.

Table B.1. Summary of Input Files.

File name	Date	Location/Use
Weather Data Files		
W23188.dvf	July 3, 2002	San Diego, CA
W23232.dvf	July 3, 2002	Sacramento, CA
W23234.dvf	July 3, 2002	San Francisco, CA
W23273.dvf	July 3, 2002	Santa Maria, CA
W24283.dvf	July 3, 2002	Arcata, CA
W93193.dvf	July 3, 2002	Fresno CA
Crop Scenario Files		
CAalfalfa_WirrigOP.txt	14-Jun-07	Irrigated CA alfalfa
CAForestryRLF.txt	20-Feb-07	Unirrigated California forestry
CAfruit_WirrigSTD.txt	29-May-07	Irrigated California deciduous fruit orchards
CAGrapes_WirrigSTD.txt	29-May-07	Irrigated grapes in CA
CAlettuceSTD.txt	21-Feb-06	Unirrigated California lettuce
CAnurserySTD.txt	24-Jan-07	Irrigated California ornamental nurseries
CArangelandhayRLF.txt	20-Feb-07	Unirrigated California rangeland & hay
CARowcropRLF.txt	20-Feb-07	Irrigated California truck crops and beans
CATurfRLF.txt	20-Feb-07	Irrigated California general turf
CAWineGrapesRLF.txt	20-Feb-07	Irrigated California wine grapes
Watershed File		
Pond298.exv	29-Aug-02	Watershed scenario for standard pond
Input Files for Individual Simulations		
Pro_alfalfa.pzr	11-Oct-07	Max rate of propyzamide on CA alfalfa
Pro_artichoke.pzr	11-Oct-07	Max rate of propyzamide on CA artichokes
Pro_blueberries.pzr	11-Oct-07	Max rate of propyzamide on CA blueberries
Pro_fallow.pzr	26-Nov-07	Max rate of propyzamide on CA fallow land
Pro_fruit.pzr	11-Oct-07	Max rate of propyzamide on CA fruit orchards
Pro_grapes.pzr	11-Oct-07	Max rate of propyzamide on CA vineyards
Pro_lettuce1.pzr	21-Nov-07	Max rate of propyzamide on CA lettuce
Pro_orna.pzr	26-Nov-07	Max rate of propyzamide on CA ornamentals
Pro_turf.pzr	21-Nov-07	Max rate of propyzamide on CA turf
Pro_winegrapes.pzr	20-Nov-07	Max rate of propyzamide on CA vineyards

B.1. Input File Data for Individual Simulations

Alfalfa

Output File:	Pro_alfalfa			
Metfile:	w93193.dvf			
PRZM scenario:	CAalfalfa_WirrigOP.txt			
EXAMS environment file:	pond298.exv			
Chemical Name:	Propyzamide			
Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.13	g/mol	
Henry's Law Const.	henry		atm-m ³ /mol	
Vapor Pressure	vapr	8.5e-5	torr	
Solubility	sol	150	mg/L	
Kd	Kd		mg/L	
Koc	Koc	841	mg/L	
Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	2.242	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	07-01	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Interval 1	interval	98	days	Set to 0 or delete line for single app.
app. rate 1	apprate		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)	

Artichokes

Output File:	Pro_artichoke			
Metfile:	w23234.dvf			
PRZM scenario:	CARowCropRLF.txt			
EXAMS environment file:	pond298.exv			
Chemical Name:	Propyzamide			
Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.13	g/mol	
Henry's Law Const.	henry		atm-m ³ /mol	
Vapor Pressure	vapr	8.5e-5	torr	
Solubility	sol	150	mg/L	
Kd	Kd		mg/L	
Koc	Koc	841	mg/L	

Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	4.574	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-01	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
Interval 1	interval	120	days	Set to 0 or delete line for single app.
app. rate 1	apprate		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)	

Blueberries

Output File: Pro_blueberries

Metfile:	w23234.dvf
PRZM scenario:	CAWineGrapesRLF.txt
EXAMS environment file:	pond298.exv
Chemical Name:	Propyzamide
Description	Variable Name Value Units Comments
Molecular weight	mwt 256.13 g/mol
Henry's Law Const.	henry atm-m ³ /mol
Vapor Pressure	vapr 8.5e-5 torr
Solubility	sol 150 mg/L
Kd	Kd mg/L
Koc	Koc 841 mg/L
Photolysis half-life	kdp 217 days Half-life
Aerobic Aquatic Metabolism	kbacw 1020 days Halfife
Anaerobic Aquatic Metabolism	kbacs 1210 days Halfife
Aerobic Soil Metabolism	asm 1580 days Halfife
Hydrolysis:	pH 5 0 days Half-life
Hydrolysis:	pH 7 0 days Half-life
Hydrolysis:	pH 9 0 days Half-life
Method:	CAM 1 integer See PRZM manual
Incorporation Depth:	DEPI 0 cm
Application Rate:	TAPP 2.287 kg/ha
Application Efficiency:	APPEFF 0.99 fraction
Spray Drift	DRFT 0.01 fraction of application rate applied to pond
Application Date	Date 21-11 dd/mm or dd/mm/yy or dd-mm or dd-mmm
Record 17:	FILTRA
	IPSCND 3
	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)

Fallow

Output File: Pro_fallow			
Metfile:	w23232.dvf		
PRZM scenario:	CArangelandhayRLF.txt		
EXAMS environment file:	pond298.exv		
Chemical Name:	Propyzamide		
Description	Variable Name	Value	Units Comments
Molecular weight	mwt	256.13	g/mol
Henry's Law Const.	henry		atm-m ³ /mol
Vapor Pressure	vapr	8.5e-5	torr
Solubility	sol	150	mg/L
Kd	Kd		mg/L
Koc	Koc	841	mg/L
Photolysis half-life	kdp	217	days Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days Halfife
Aerobic Soil Metabolism	asm	1580	days Halfife
Hydrolysis:	pH 5	0	days Half-life
Hydrolysis:	pH 7	0	days Half-life
Hydrolysis:	pH 9	0	days Half-life
Method:	CAM	1	integer See PRZM manual
Incorporation Depth:	DEPI	0	cm
Application Rate:	TAPP	0.572	kg/ha
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift	DRFT	0.05	fraction of application rate applied to pond
Application Date	Date	21-11	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy
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)

Fruit

Output File: Pro_fruit			
Metfile:	w93193.dvf		
PRZM scenario:	CAfruit_WirrigSTD.txt		
EXAMS environment file:	pond298.exv		
Chemical Name:	Propyzamide		
Description	Variable Name	Value	Units Comments
Molecular weight	mwt	256.13	g/mol
Henry's Law Const.	henry		atm-m ³ /mol
Vapor Pressure	vapr	8.5e-5	torr
Solubility	sol	150	mg/L
Kd	Kd		mg/L
Koc	Koc	841	mg/L

Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	4.574	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	21-11	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND	3		
	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)	

Grapes

Output File: Pro_grapes

Metfile: w93193.dvf

PRZM scenario: CAgapes_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Propyzamide

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.13	g/mol	
Henry's Law Const.	henry		atm-m ³ /mol	
Vapor Pressure	vapr	8.5e-5	torr	
Solubility	sol	150	mg/L	
Kd	Kd		mg/L	
Koc	Koc	841	mg/L	
Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	4.574	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	21-11	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
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)

Lettuce

Output File: Pro_lettuce1

Metfile: w23273.dvf
 PRZM scenario: CAlettuceSTD.txt
 EXAMS environment file: pond298.exv
 Chemical Name: Propyzamide

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.13	g/mol	
Henry's Law Const.	henry		atm-m ³ /mol	
Vapor Pressure	vapr	8.5e-5	torr	
Solubility	sol	150	mg/L	
Kd	Kd		mg/L	
Koc	Koc	841	mg/L	
Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	2.24	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	02-02	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	180	days	Set to 0 or delete line for single app.
app. rate 1	apprate		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)	

Ornamentals

Output File: Pro_orna

Metfile: w23188.dvf
 PRZM scenario: CAnurserySTD.txt
 EXAMS environment file: pond298.exv
 Chemical Name: Propyzamide

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.13	g/mol	
Henry's Law Const.	henry		atm-m ³ /mol	
Vapor Pressure	vapr	8.5e-5	torr	
Solubility	sol	150	mg/L	
Kd	Kd		mg/L	
Koc	Koc	841	mg/L	

Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	2.29	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	01-11	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
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)	

Turf

Output File: Pro_turf

Metfile: w23234.dvf
 PRZM scenario: CATurfRLF.txt
 EXAMS environment file: pond298.exv
 Chemical Name: Propyzamide

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.13	g/mol	
Henry's Law Const.	henry		atm-m ³ /mol	
Vapor Pressure	vapr	8.5e-5	torr	
Solubility	sol	150	mg/L	
Kd	Kd		mg/L	
Koc	Koc	841	mg/L	
Photolysis half-life	kdp	217	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
Aerobic Soil Metabolism	asm	1580	days	Halfife
Hydrolysis:	pH 5	0	days	Half-life
Hydrolysis:	pH 7	0	days	Half-life
Hydrolysis:	pH 9	0	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	1.72	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	15-03	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
Interval 1	interval	180	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	90	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		

Record 18:	UPTKF	
	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)

Wine grapes

Output File: Pro_winegrapes

Metfile: w23234.dvf

PRZM scenario: CAWineGrapesRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Propyzamide

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.13	g/mol	
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Henry's Law Const.	henry		atm-m ³ /mol	
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Vapor Pressure	vapr	8.5e-5	torr	
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Solubility	sol	150	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	841	mg/L	
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Photolysis half-life	kdp	217	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	1020	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	1210	days	Halfife
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Aerobic Soil Metabolism	asm	1580	days	Halfife
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Hydrolysis:	pH 5	0	days	Half-life
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Hydrolysis:	pH 7	0	days	Half-life
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Hydrolysis:	pH 9	0	days	Half-life
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	4.574	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
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Application Date	Date	21-11	dd/mm or dd/mm or dd-mm or dd-mmm	
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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)