

III. Appendices

E. Water Appendix

6. Water Exposure Assessment: Application-Specific Input Parameters for PRZM/EXAMS by Region

The tables presented in this region summarize the region-specific input parameters for each of the crop-OP uses modeled in each region. For each chemical, the tables provide:

- PRZM scenario file name – the scenario input file, documented in Appendix III.E.7
- Crop on which the pesticide is used
- Application method (PRZM CAM variable) and the general application method documented in Appendix III.E.8
- Depth of incorporation, based on available information on usage in the chemical-specific risk assessments
- Application rate (kg/ha) based on the usage information documented in Appendix III.E.8
- Application efficiency, set according to USEPA OPP's input parameter guidance
- Spray drift fraction, documented in Appendix III.E.9
- Application date, based on usage, growth stage, and most active application period documented in Appendix III.E.8
- Interval between additional applications, if any, based on usage information documented in Appendix III.E.8

a. Region A (Florida) Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate (kg/ha)	Applic. Effic.	Spray Drift (1)	App. Date	Interval between apps (days)						
									1	2	3	4	5	6	
Chlorpyrifos	FLsweetcornC	Corn	2 Aerial/ foliar	0	0.73	0.99	0.055 Aerial	15-Feb	228 **						
Phorate + Degradates	FLsweetcornC	Corn	7 Ground/ at plant	2.5	1.44	1	0.85 Frac in top 2 cm	1-Sep							
Ethoprop	FLsugarcaneC	Sugarcane	4 Ground/ at plant	10	3.89	1	0 No Drift	1-Sep							
Phorate + Degradates	FLsugarcaneC	Sugarcane	4 Ground/ at plant	2.5	4.44	1	0 No Drift	1-Sep							
Chlorpyrifos	FLcitrusC	Grapefruit	2 Airblast/foliar	0	2.09	0.99	0.0087 Air Blast	1-Jan	45						
Chlorpyrifos	FLcitrusC	Orange	2 Airblast/foliar	0	0.63	0.99	0.0087 Air Blast	1-Jan	45						
Chlorpyrifos	FLcitrusC	Tangelo	2 Ground/ at plant	0	1.12	0.99	0.0049 Ground	1-Jan							
Chlorpyrifos	FLcitrusC	Tangerine	2 Airblast/foliar	0	0.80	0.99	0.0087 Air Blast	1-Jan	45						
Acephate	FLcucumberC	Peppers	2 Ground / foliar	0	0.84	0.99	0.0049 Ground	25-Jan	263 ***	51					
Methamidophos (Acephate degradate)	FLcucumberC	Peppers	2	0	0.21 acephate * 0.25	1	0 degradate	27-Jan	263 ***	51					
Diazinon	FLcucumberC	Lettuce	2 Ground/ foliar	0	0.77	0.99	0.0049 Ground	22-Jan	266 ***						
Diazinon	FLcucumberC	Tomato	2 Ground/ foliar	0	0.64	0.99	0.0049 Ground	23-Jan	282 ***						
Methamidophos	FLcucumberC	Tomato	2 Ground/ foliar	0	0.52	0.99	0.0049 Ground	19-Feb	255 ***	55					

(1) Spray drift load estimated using Ag-Drift.

*** To populate app dates, listed app dates in chronological order w/in year

b. Region B (Northwest) Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth.. (CAM)	Incorp. Depth (cm)	App. Rate (kg/ha)	App. Effic.	Spray Drift (1)	App.Date	Interval between applications (days)					
									1	2	3	4	5	6
Azinphos Methyl	ORappleC	Apples	2 Ground/ Foliar	0	0.99	0.99	0.0087 Airblast	1-May	41	41				
Chlorpyrifos	ORappleC	Apples	2 Ground/ Dormant	0	2.04	0.99	0.0087 Airblast	1-Feb						
Diazinon	ORappleC	Apples	2 Airblast/ Foliar	0	0.72	0.99	0.0087 Airblast	1-Feb	103					
Dimethoate	ORappleC	Apples	2 Airblast/ Foliar	0	0.85	0.99	0.0087 Airblast	1-May						
Malathion	ORappleC	Apples	2 Airblast/ Foliar	0	1.04	0.99	0.0087 Airblast	1-May	31					
Phosmet	ORappleC	Apples	2 Airblast/ Foliar	0	2.49	0.99	0.0087 Airblast	1-May	61					
Azinphos Methyl	ORappleC	Pears	2 Airblast/ Foliar	0	1.08	0.99	0.0087 Airblast	15-Apr	61					
Chlorpyrifos	ORappleC	Pears	2 Airblast/ Dormant	0	2.24	0.99	0.0087 Airblast	1-Feb						
Methidathion	ORappleC	Pears	2 Airblast/ Dormant	0	1.45	0.99	0.0087 Airblast	1-Feb						
Phosmet	ORappleC	Pears	2 Airblast/ Foliar	0	3.17	0.99	0.0087 Airblast	15-Apr	61					
Diazinon	ORappleC	Pears	2 Airblast/ Foliar	0	1.15	0.99	0.0087 Airblast	15-May						
Azinphos Methyl	ORappleC	Cherry, Sweet	2 Airblast/ Foliar	0	0.97	0.99	0.0087 Airblast	15-May						
Chlorpyrifos	ORappleC	Cherry, Sweet	2 Airblast/ Dormant	0	2.44	0.99	0.0087 Airblast	1-Feb						
Diazinon	ORappleC	Cherry, Sweet	2 Airblast/ Dormant	0	1.08	0.99	0.0087 Airblast	1-Feb						
Dimethoate	ORappleC	Cherry, Sweet	2 Airblast/ Foliar	0	0.90	0.99	0.0087 Airblast	15-Apr						

Chemical	PRZM scenario file name	Crop/Use	App. Meth.. (CAM)	Incorp. Depth (cm)	App. Rate (kg/ha)	App. Effic.	Spray Drift (1)	App.Date	Interval between applications (days)					
									1	2	3	4	5	6
Dimethoate	ORappleC	Cherries, Tart	2 Airblast/ Foliar	0	1.01	0.99	0.0087 Airblast	15-Apr						
Diazinon	ORappleC	Cherries, Tart	2 Airblast/ Foliar	0	1.01	0.99	0.0087 Airblast	1-Feb						
Phosmet	ORappleC	Cherries, Tart	2 Airblast/ Foliar	0	1.78	0.99	0.0087 Airblast	15-May	23					
Chlorpyrifos	ORfilbertsQ	Hazelnuts	2 Airblast/ Foliar	0	1.38	0.99	0.0087 Airblast	15-Apr						
Chlorpyrifos	ORswcorn	Sweet Corn	4 Ground / At-plant	5	1.48	1.00	0.0049 Ground	15-Apr						
Diazinon	ORsnbeansC	Beans, snap	2 Ground/ foliar	0	0.61	0.99	0.0049 Ground	15-Jun						
Ethoprop	ORsnbeansC	Beans, snap	2 Ground/ at-plant	0	2.69	1 Granular	0 Granular	30-Apr						
Dimethoate	ORsnbeansC	Peas, green	2 Ground/ foliar	0	0.20	0.99	0.0049 Ground	1-May						
Diazinon	ORsnbeansC	Peas, green	2 Ground/ foliar	0	0.56	0.99	0.0049 Ground	1-May						
Bensulide	ORsnbeansC	Broccoli	1 Ground/ at plant	0	4.04	0.99	0.0049 Ground	1-May						
Chlorpyrifos	ORsnbeansC	Broccoli	4 Ground/ at plant	5	1.42	0.99	0.0049 Ground	1-May						
Diazinon	ORsnbeansC	Broccoli	2 Ground/ foliar	0	0.90	0.99	0.0049 Ground	1-Jul						
Disulfoton + degradates	ORsnbeansC	Broccoli	2 Ground/ foliar	0	1.13	0.99	0.0049 Ground	1-Jul						
Naled	ORsnbeansC	Broccoli	2 Ground/ foliar	0	1.55	0.99	0.0049 Ground	1-Jul						
DDVP (naled degr)	ORsnbeansC	Broccoli	2 Degradate	0	0.31 naled * 0.2	1.00	0 degradate	1-Jul						
Bensulide	ORsnbeansC	Cabbage	1 Ground/ at plant	0	4.24	0.99	0.0049 Ground	15-Mar						
Chlorpyrifos	ORsnbeansC	Cabbage	4 Ground/ at plant	5	0.74	0.99	0.0049 Ground	15-Mar						
Dimethoate	ORsnbeansC	Cabbage	2	0	0.53	0.99	0.0049	15-Jul	23					

Chemical	PRZM scenario file name	Crop/Use	App. Meth.. (CAM)	Incorp. Depth (cm)	App. Rate (kg/ha)	App. Effic.	Spray Drift (1)	App.Date	Interval between applications (days)									
									1	2	3	4	5	6				
			Ground/ foliar				Ground											
ODM	ORsnbeansC	Cabbage	2 Ground/ foliar	0	0.63	0.99	0.0049 Ground	15-Jul	23									
Acephate	ORsnbeansC	Cauliflower	2 Ground/ foliar	0	0.93	0.99	0.0049 Ground	15-Aug										
Methamidophos (acephate degradate)	ORsnbeansC	Cauliflower	2 Degradate	0	0.23 acephate * 0.25	1.00	0	17-Aug										
Diazinon	ORsnbeansC	Cauliflower	2 Ground/ foliar	0	0.60	0.99	0.0049 Ground	15-Aug	31									
Dimethoate	ORsnbeansC	Cauliflower	2 Ground/ foliar	0	0.44	0.99	0.0049 Ground	15-Aug										
Naled	ORsnbeansC	Cauliflower	2 Ground/ foliar	0	1.57	0.99	0.0049 Ground	15-Aug										
DDVP (naled degradate)	ORsnbeansC	Cauliflower	2 Degradate	0	0.31 naled * 0.2	1.00	0	15-Aug										
Bensulide	ORsnbeansC	Cucumbers	1 Ground/ at plant	0	3.60	0.99	0.0049 Ground	10-May										
Malathion	ORsnbeansC	Squash	2 Ground/ foliar	0	1.59	0.99	0.0049 Ground	1-Jul	15									
Chlorpyrifos	ORsnbeansC	Onions	4 Ground/ at plant	5	1.13	0.99	0.0049 Ground	20-Mar										
Diazinon	ORsnbeansC	Onions	2 Ground/ foliar	0	0.89	0.99	0.0049 Ground	1-Jul										
Malathion	ORsnbeansC	Onions	2 Ground/ foliar	0	2.06	0.99	0.0049 Ground	1-Jul	31									
MethylParathion	ORsnbeansC	Onions	2 Ground/ foliar	0	0.56	0.99	0.0049 Ground	1-Jul	31									
Chlorpyrifos	ORgrasseed C	Grass for seed	2 Ground/ foliar	0	1.11	0.99	0.0049 Ground	1-Apr										
Chlorpyrifos	ORXmasTree	Christmas Trees	2 Airblast/ foliar	0	1.11	0.99	0.0087 Airblast	1-May										
Dimethoate	ORXmasTree	Christmas Trees	2 Airblast/ foliar	0	0.56	0.99	0.0087 Airblast	1-May										

Chemical	PRZM scenario file name	Crop/Use	App. Meth.. (CAM)	Incorp. Depth (cm)	App. Rate (kg/ha)	App. Effic.	Spray Drift (1)	App.Date	Interval between applications (days)					
									1	2	3	4	5	6
ODM	ORXmasTree	Christmas Trees	2 Airblast/ foliar	0	0.42	0.99	0.0087 Airblast	15-Apr						
Acephate	ORXmasTree	Nursery/Trees-Shrubs	2 Ground/ foliar	0	1.11	0.99	0.0049 Ground	1-Apr						
Methamidophos (acephate degradate)	ORXmasTree	Nursery/Trees-Shrubs	2 Degradate	0	0.28 acephate * 0.25	1.00	0	3-Apr						
Chlorpyrifos	ORXmasTree	Nursery/Trees-Shrubs	2 Ground/ foliar	0	1.11	0.99	0.0049 Ground	1-Apr						
Diazinon	ORXmasTree	Nursery/Trees-Shrubs	2 Ground/ foliar	0	0.77	0.99	0.0049 Ground	1-Apr						
Diazinon	ORhopsC	Hops	2 Ground/ foliar	0	1.11	0.99	0.0049 Ground	1-Jun	31	31				
Acephate	ORMintC	Mint	2 Ground/ foliar	0	1.08	0.99	0.0049 Ground	15-Jul						
Methamidophos (acephate degradate)	ORMintC	Mint	2 Degradate	0	0.27 acephate * 0.25	1.00	0	17-Jul						
Chlorpyrifos	ORMintC	Mint	2 Ground/ foliar	0	2.10	0.99	0.0049 Ground	20-Aug						
AzinphosMethyl	ORberriesC	Blackberry	2 Ground/ foliar	0		0.99	0.0049 Ground	1-Apr						
Diazinon	ORberriesC	Blackberry	2 Ground/ foliar	0	1.29	0.99	0.0049 Ground	15-Mar						
Diazinon	ORberriesC	Blueberry	2 Ground/ foliar	0	0.89	0.99	0.0049 Ground	1-Mar						
Malathion	ORberriesC	Blueberry	2 Ground/ foliar	0	1.80	0.99	0.0049 Ground	1-Apr	62					
Diazinon	ORberriesC	Raspberry	2 Ground/ foliar	0	1.18	0.99	0.0049 Ground	1-Mar						
Malathion	ORberriesC	Raspberry	2 Ground/ foliar	0	2.29	0.99	0.0049 Ground	1-May						

(1) Spray drift load estimated using Ag-Drift.

c. Region C (Arid/Semiarid West): Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)					
									1	2	3	4	5	6
AzinphosMethyl	CAalmondC	Almonds, walnuts	2 Air29%, Grd 71%	0	1.73	0.99	0.0087 Airblast	12-Jul	7	1	6	1		
Chlorpyrifos	CAalmondC	Almonds, walnuts	2 Air 8%, Grd 92%	0	1.89	0.99	0.0087 Airblast	10-May	7	21	49	7		
Diazinon	CAalmondC	Almonds, walnuts	2 Air21%, Grd 79%	0	2.08	0.99	0.0087 Airblast	11-Jan	7	14	1	6		
Methidathion	CAalmondC	Almonds, walnuts	2 Air 8%, Grd 92%	0	1.08	0.99	0.0087 Airblast	11-Jan	7	1	6	7		
Naled	CAalmondC	Almonds, walnuts	2 Air0%, Grd 100%	0	1.78	0.99	0.0087 Airblast	18-Jan	6	1	1	6		
DDVP (Naled degradate)	CAalmondC	Almonds, walnuts	2 Naled*0.2	0	0.36	1	0 Degradate	18-Jan	6	1	1	6		
Phosmet	CAalmondC	Almonds, walnuts	2 Air 7%, Grd 93%	0	3.17	0.99	0.0087 Airblast	22-Mar	119	7	7	7		
Chlorpyrifos	CAalfalfaC	Alfalfa	2 Air85%, Grd 15%	0	0.63	0.99	0.055 Aerial	8-Mar	7	7	35	126		
Dimethoate	CAalfalfaC	Alfalfa	2 Air80%, Grd 20%	0	0.39	0.99	0.055 Aerial	8-Mar	7	7	7	49		
Malathion	CAalfalfaC	Alfalfa	2 Air83%, Grd 17%	0	1.26	0.99	0.055 Aerial	22-Mar	7	7	7	7		
MethylParathion	CAalfalfaC	Alfalfa	2 Air88%, Grd 12%	0	0.93	0.99	0.055 Aerial	7-Mar	1	1	6	7		
Phosmet	CAalfalfaC	Alfalfa	2 Air80%, Grd 21%	0	0.8	0.99	0.055 Aerial	8-Mar	7	1	6	7		
AzinphosMethyl	CAfruitC	Apples, pears	2 Air 6%, Grd 94%	0	1.16	0.99	0.0087 Airblast	24-May	21	7	28	35		
Chlorpyrifos	CAfruitC	Apples, pears	2 Air 8%, Grd 92%	0	1.46	0.99	0.0087 Airblast	8-Mar	49	7	21	28		
Diazinon	CAfruitC	Apples, pears	2	0	1.67	0.99	0.0087	25-Jan	42	1	6	154		

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
			Air 1%, Grd 99%				Airblast								
Dimethoate	CAfruitC	Apples, pears	2	0	0.64	0.99	0.0087	18-Apr	1	1	20	28			
			Air 0%, Grd100%				Airblast								
Methidathion	CAfruitC	Apples, pears	2	0	1.28	0.99	0.0087	18-Jan	7	28	7	7			
			Air 0%, Grd100%				Airblast								
Phosmet	CAfruitC	Apples, pears	2	0	3.35	0.99	0.0087	17-May	14	35	21	28			
			Air 15%, Grd85%				Airblast								
Chlorpyrifos	CAfruitC	Peaches, nectarines, apricots	2	0	2.03	0.99	0.0087	25-Jan	1	6	318	1			
			Air 1%, Grd99%				Airblast								
Diazinon	CAfruitC	Peaches, nectarines, apricots	2	0	2.34	0.99	0.0087	22-Nov	1	14	14	7			
			Air 3%, Grd97%				Airblast								
Dimethoate	CAfruitC	Peaches, nectarines, apricots	2	0	4.01	0.99	0.0087	5-Jun	1	1	1	1			
			Air 0%, Grd100%				Airblast								
Methidathion	CAfruitC	Peaches, nectarines, apricots	2	0	1.3	0.99	0.0087	18-Jan	42	280	14	1			
			Air 3%, Grd97%				Airblast								
Naled	CAfruitC	Peaches, nectarines, apricots	2	0	1.82	0.99	0.0087	4-Jan	1	12	1	1			
			Air 0%, Grd100%				Airblast								
DDVP	CAfruitC	Peaches, nectarines, apricots	2	0	0.36	1	0	4-Jan	1	12	1	1			
			Air 0%, Grd100%				Degradate								
Phosmet	CAfruitC	Peaches, nectarines, apricots	2	0	3.09	0.99	0.0087	31-May	7	7	21	14			
			Air 2%, Grd98%				Airblast								
Chlorpyrifos	CAtomatoC	Asparagus	2	0	0.72	0.99	0.055	5-Jul	21	7	42	35			
			Air 51%, Grd49%				Aerial								
DisulfotonT	CAtomatoC	Asparagus	2	0	1.18	0.99	0.055	9-Aug	28	14	14	7			
			Air 67%, Grd33%				Aerial								
Malathion	CAtomatoC	Asparagus	2	0	1.11	0.99	0.055	6-Jun	1	1	13	7			
			Air 46%, Grd54%				Aerial								

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)					
									1	2	3	4	5	6
Acephate	CAtomatoC	Legume (dry/succulent beans)	2	0	0.96	0.99	0.055	2-Aug	7	7	14	7		
			Air 95%, Grd5%				Aerial							
Methamidophos (acephate degradate)	CAtomatoC	Legume (dry/succulent beans)	2	0	0.24	1	0	4-Aug	7	7	14	7		
			Air 95%, Grd5%		Aceph*0.25 (RED)		Degradate	Aceph + 2 days						
Dimethoate	CAtomatoC	Legume (dry/succulent beans)	2	0	0.45	0.99	0.055	19-Jul	14	7	21	14		
			Air 87%, Grd13%				Aerial							
Malathion	CAtomatoC	Legume (dry/succulent beans)	2	0	1.19	0.99	0.055	28-Jun	35	7	1	6		
			Air 78%, Grd16%				Aerial							
Naled	CAtomatoC	Legume (dry/succulent beans)	2	0	0.97	0.99	0.055	30-Aug	7	7	1	13		
			Air 93%, Grd7%				Aerial							
DDVP	CAtomatoC	Legume (dry/succulent beans)	2	0	0.19	1	0	30-Aug	7	7	1	13		
			Air 93%, Grd7%		Naled*0.2 (RED)		Degradate							
Diazinon	CAtomatoC	Broccoli, brassicas	2	0	1.12	0.99	0.0049	16-Aug	1	1	1	1		
			Ground				Ground							
Dimethoate	CAtomatoC	Broccoli, brassicas	2	0	0.4	0.99	0.055	16-Aug	14	7	7	28		
			Air 54%, Grd46%				Aerial							
Methamidophos	CAtomatoC	Broccoli, brassicas	2	0	1.67	0.99	0.055	6-Sep	20	1	1	20		
			Air 60%, Grd40%				Aerial							
ODM	CAtomatoC	Broccoli, brassicas	2	0	0.56	0.99	0.055	11-Jan	35	244	1	1		
			Air 45%, Grd55%				Aerial							
Diazinon	CAtomatoC	Cantaloupe	2	0	0.38	0.99	0.055	17-May	7	69	1	1		
			Air 49%, Grd48%				Aerial							
Dimethoate	CAtomatoC	Cantaloupe	2	0	0.54	0.99	0.055	2-Aug	1	6	1	7		
			Air 69%, Grd31%				Aerial							
ODM	CAtomatoC	Cantaloupe	2	0	0.42	0.99	0.055	24-Jul	1	1	1	1		
			Air 66%, Grd34%				Aerial							
Acephate	CAtomatoC	Tomato	2	0	0.91	0.99	0.055	9-Aug	1	20	1	6		
			Air 58%, Grd42%				Aerial							

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)					
									1	2	3	4	5	6
Methamidophos (acephate degradate)	CAtomatoC	Tomato	2	0	0.23	0.99	0	11-Aug	1	20	1	6		
			Air 58%, Grd42%		Aceph*0.25 (RED)		Degradate	Aceph + 2 days						
Chlorpyrifos	CAtomatoC	Tomato	2	0	0.67	0.99	0.0049	12-Jul	21	1	20	1		
			Air 12%, Grd88%				Ground							
Diazinon	CAtomatoC	Tomato	2	0	1.23	0.99	0.0049	8-Mar	56	14	7	49		
			Air 4%, Grd96%				Ground							
Dimethoate	CAtomatoC	Tomato	2	0	0.49	0.99	0.055	5-Jul	14	7	7	21		
			Air 71%, Grd29%				Aerial							
Malathion	CAtomatoC	Tomato	2	0	1.32	0.99	0.055	26-Jul	1	6	1	13		
			Air 56%, Grd44%				Aerial							
Methamidophos	CAtomatoC	Tomato	2	0	0.95	0.99	0.055	12-Jul	14	21	21	21		
			Air 51%, Grd49%				Aerial							
Chlorpyrifos	CAalfalfaC	Alfalfa	2	0	0.63	0.99	0.055	8-Mar	7	7	35	126		
			Air 85%, Grd15%				Aerial							
Dimethoate	CAalfalfaC	Alfalfa	2	0	0.39	0.99	0.055	8-Mar	7	7	7	49		
			Air 80%, Grd20%				Aerial							
Malathion	CAalfalfaC	Alfalfa	2	0	1.26	0.99	0.055	22-Mar	7	7	7	7		
			Air 83%, Grd17%				Aerial							
MethylParathion	CAalfalfaC	Alfalfa	2	0	0.93	0.99	0.055	7-Mar	1	1	6	7		
			Air 88%, Grd12%				Aerial							
Phosmet	CAalfalfaC	Alfalfa	2	0	0.8	0.99	0.055	8-Mar	7	1	6	7		
			Air 80%, Grd21%				Aerial							
Chlorpyrifos	CAcornC	FieldCorn	2	0	1.27	0.99	0.0049	17-May	21	7	14	14		
			Air 18%, Grd82%				Ground							
Dimethoate	CAcornC	FieldCorn	2	0	0.36	0.99	0.055	13-Mar	1	1	1	90		
			Air 74%, Grd26%				Aerial							
Malathion	CAcornC	FieldCorn	2	0	0.56	0.99	0.055	22-Mar	1	13	133	7		
			Air 89%, Grd11%				Aerial							
PhorateT	CAcornC	FieldCorn	7	2.5	1.31	1	0.85	3-May	14	14	7	7		
			Air 0%, Grd100%				Fraction in upper 2 cm							
Chlorpyrifos	CAgrapesC	Grapes	2	0	2.08	0.99	0.0012	7-Mar	1	1	6	1		
			Air 0%, Grd99%				Vineyard							
Diazinon	CAgrapesC	Grapes	2	0	0.38	0.99	0.0012	17-May	83	1	1	1		
			Air 0%, Grd99%				Vineyard							
Dimethoate	CAgrapesC	Grapes	2	0	0.32	0.99	0.0012	17-Jul	1	1	1	1		

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
			Air 0%, Grd99%				Vineyard								
Malathion	CAgrapesC	Grapes	2	0	32.37	0.99	0.0012	19-Jun	1	1	1	1			
			Air 6%, Grd94%				Vineyard								
Naled	CAgrapesC	Grapes	2	0	0.75	0.99	0.0012	21-Jun	28	14	7	28			
			Air 6%, Grd94%				Vineyard								
DDVP	CAgrapesC	Grapes	2	0	0.15	0.99	0	21-Jun	28	14	7	28			
			Air 6%, Grd94%				Degradate								
Chlorpyrifos	CA sugarbeet C	Sugarbeet	2	0	0.69	0.99	0.055	17-Mar	70	21	21	7			
			Air 78%, Grd22%				Aerial								
Methamidophos	CA sugarbeet C	Sugarbeet	2	0	0.82	0.99	0.055	10-May	84	7	7	49			
			Air 88%, Grd12%				Aerial								
Naled	CA sugarbeet C	Sugarbeet	2	0	1.13	0.99	0.055	18-Sep	1	1	1	1			
			Air 91%, Grd9%				Aerial								
DDVP	CA sugarbeet C	Sugarbeet	2	0	0.23	0.99	0	18-Sep	1	1	1	1			
			Air 91%, Grd9%				Degradate								
ODM	CA sugarbeet C	Sugarbeet	2	0	0.49	0.99	0.055	19-Apr	1	6	133	14			
			Air 88%, Grd12%				Aerial								
PhorateT	CA sugarbeet C	Sugarbeet	7	2.5	0.27	1	0.85	10-Apr	1	1	1	1			
			Air 2%, Grd98%				Fraction in upper 2 cm								

(1) Spray drift load estimated using Ag-Drift.

d. Region D (Northeast/ North Central): Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
AzinphosMethyl	MNsugarbeetC	Potato	Aerial/ foliar	2	0	0.53	0.99	0.055	31-Jul						
Dimethoate	MNsugarbeetC	Potato	Aerial foliar	2	0	0.30	0.99	0.055	31-Jul						
Chlorpyrifos	MNsugarbeetC	Sugar beet	Ground/ plant; gen w/ incorp	4	5	1.39	0.99	0.0049	10-May						
Phorate+ degradates	MNsugarbeetC	Sugar beet	Ground/ plant	7	2	1.14	1	0.85	10-May						
Terbufos+ degradates	MNsugarbeetC	Sugar beet	Ground/ plant	7	2	2.19	1	0.85	10-May						
Chlorpyrifos	NDwheatC	Wheat	Aerial/ foliar	2	0	0.56	0.99	0.055	3-Jul						

(1) Spray drift load estimated using Ag-Drift.

e. Region E (Humid Southeast): Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
Terbufos + Residues	NCcornEC	Corn	In-furrow	7	2.5	1.27	1	0.85 Frac in top 2 cm	17-Apr						
Chlorpyrifos	NCcornEC	Corn	Ground/ broadcast or before wheel	2	0	1.30	0.99	0.0049 Ground	17-Apr						
Acephate	NCcottonC	Cotton	Broadcast	2	0	0.30	0.99	0.0049 Ground	11-Jun						
Methamidophos (Acephate degradate)	NCcottonC	Cotton	acephate degr	2	0	0.07 aceph*0.25	0.99	0	13-Jun Off-set, 2-da t1/2						
Dimethoate	NCcottonC	Cotton	Broadcast	2	0	0.11	0.99	0.0049 Ground	1-May	41					
Phorate + Residues	NCcottonC	Cotton	Banded	8	1.27	1.00	1	0 No drift	10-May						
Tribufos	NCcottonC	Cotton	Broadcast	2	0	0.51	0.99	0.0049 Ground	19-Oct						
Disulfoton + Residues	NCcottonC	Cotton	Banded	7	2.5	0.73	1	0.85 Frac in top 2 cm	10-May						
Acephate	NCpeanutC	Peanut	Aerial or ground/ broadcast	2	0	0.52	0.99	0.0049 Ground	25-May						
Methamidophos (Acephate degradate)	NCpeanutC	Peanut	acephate degr	2	0	0.13 aceph*0.25	1	0	27-May Off-set, 2-da t1/2						
Chlorpyrifos	NCpeanutC	Peanut	Banded	2	0	0.70	0.99	0.0049 Ground	7-Jul						

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)					
									1	2	3	4	5	6
Phorate + Residues	NCpeanutC	Peanut	Banded	7	2.5	1.00	0.85 Frac in top 2 cm	18-May						
Acephate	NCtobaccoC	Tobacco	Ground broadcast	2	0	0.83	0.99 0.0049 Ground	30-Jun						
Methamidophos (Acephate degradate)	NCtobaccoC	Tobacco	Ground broadcast	2	0	0.21 aceph*0.25	1 0	2-Jul						
Chlorpyrifos	NCtobaccoC	Tobacco	Aerial or ground/broadcast	2	0	2.55 NASS (1996)	0.99 ** Ground	16-May						

(1) Spray drift load estimated using Ag-Drift.

f. Region F (Lower Midwest): Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	Appl. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)					
									1	2	3	4	5	6
Chlorpyrifos	TXalfalfaC	Alfalfa	2	0	0.61	0.99	0.055 Aerial	16-Jun						
MethylParathion	TXalfalfaC	Alfalfa	2	0	0.21	0.99	0.055 Aerial	16-Jun						
Chlorpyrifos	TXcornC	Corn	4	5	0.84	1	0.0049 Ground	9-Apr						
Dimethoate	TXcornC	Corn	2	0	0.48	0.99	0.055 Aerial	1-Jul						
Phostebupirim	TXcornC	Corn	7	2.5	0.09	1	0.85 Fraction in upper 2 cm	9-Apr						
Terbufos + degradates	TXcornC	Corn	7	2.5	0.91	1	0.85 Fraction in upper 2 cm	9-Apr						
Acephate	TXcottonC	Cotton	2	0	0.63	0.99	0.0049 Ground	1-May	20					
Methamidophos (acephate Degradate)	TXcottonC	Cotton	2	0	0.16 acephate* 0.25	1	0	3-May	20					
Chlorpyrifos	TXcottonC	Cotton	Prairie / TX	0	0.71	0.99	0.055	15-Jun	31					
Diclotophos	TXcottonC	Cotton	Prairie / TX	0	0.16	0.99	0.0049 Ground	1-May	23					
Dimethoate	TXcottonC	Cotton	Prairie / TX	0	0.27	0.99	0.0049 Ground	1-May	23					
Malathion	TXcottonC	Cotton	Prairie / TX	0	1.13	0.99	0.0049 Ground	15-May						
Malathion	TXcottonC	Cotton	Prairie / TX	0	1.13	0.99	0.055 Aerial	6-Jun	22	22	22	22	22	

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	Appl. Rate	App. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
Phorate + degradates	TXcottonC	Cotton	Ground/ plant	7	2.5	0.49	1	0.85	13-Apr						
								Fraction in upper 2 cm							
Tribufos	TXcottonC	Cotton	Air/ Harvest	2	0	0.57	0.99	0.055	1-Nov						
								Aerial							
Chlorpyrifos	TXsorghumC	Sorghum	Aerial/ foliar	2	0	0.49	0.99	0.055	2-May						
								Aerial							
Dimethoate	TXwheatC	Wheat	Aerial/ foliar	2	0	0.31	0.99	0.055	8-Nov						
								Aerial							

(1) Spray drift load estimated using Ag-Drift.

g. Region G (Mid-South): Application Parameters

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	Appl. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
Chlorpyrifos	MScornC	Corn	Ground plant	4	5	0.84	0.99	0.0049	27-Mar						
Dimethoate	MScornC	Corn	Aerial foliar	2	0	0.48	0.99	0.055	23-Jun						
Phostebupirim	MScornC	Corn	Ground plant	7	2.5	0.09	1	0.85	27-Mar						
Terbufos + Degradates	MScornC	Corn	Ground plant	7	2.5	0.91	1	0.85	27-Mar						
Acephate	MScottonC	Cotton	Ground/ plant-foliar	2	0	0.39	0.99	0.0049	6-May						
Methamidophos (acephate degradate)	MScottonC	Cotton	Ground/ plant-foliar	2	0	0.10	1	0	8-May						
Acephate	MScottonC	Cotton	Aerial/ foliar	2	0	0.39	0.99	0.055	24-Jun						
Methamidophos (acephate degradate)	MScottonC	Cotton	Aerial/ foliar	2	0	0.10	1	0	26-Jun						
Dicrotophos	MScottonC	Cotton	Ground/ foliar	2	0	0.30	0.99	0.0049	1-May						
Dicrotophos	MScottonC	Cotton	Aerial/ foliar	2	0	0.30	0.99	0.055	1-Jul						
Dimethoate	MScottonC	Cotton	Ground/ foliar	2	0	0.29	0.99	0.0049	15-Jun						
Dimethoate	MScottonC	Cotton	Aerial/ foliar	2	0	0.29	0.99	0.055	8-Jul						
Malathion	MScottonC	Cotton		2	0	0.97	0.99	0.0049	1-May	19	19				

Chemical	PRZM scenario file name	Crop/Use	App. Meth. (CAM)	Incorp. Depth (cm)	App. Rate	Appl. Effic.	Spray Drift	App. Date	Interval between applications (days)						
									1	2	3	4	5	6	
			Ground/ foliar				Ground								
Malathion	MScottonC	Cotton	Aerial/ foliar	2	0	0.97	0.99	0.055	27-Jun	19	19	19	19		
Methamidophos	MScottonC	Cotton	Aerial/ foliar	2	0	0.42	0.99	0.055	1-Jul						
MethylParathion	MscottonC	Cotton	Ground/ foliar	2	0	0.43	0.99	0.0049	15-Jun						
MethylParathion	MScottonC	Cotton	Aerial/ foliar	2	0	0.43	0.99	0.055	4-Jul	19	19				
Phorate + Degradates	MScottonC	Cotton	Ground/ plant	7	2.5	0.68	1	0.85	6-May						
Profenofos	MScottonC	Cotton	Ground/ plant	7	2.5	0.95	1	0.85	15-Jun						
Tribufos	MScottonC	Cotton	Air/ Harvest	2	0	0.75	0.99	0.055	2-Sep						
Disulfoton + Degradates	MScottonC	Cotton	Ground/ foliar	2	0	0.82	0.99	0.0049	23-May						
MethylParathion	MSsoybeanC	Soybean	Aerial/ foliar	2	0	0.51	0.99	0.055	31-Aug						

(1) Spray drift load estimated using Ag-Drift.