

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure

Scenario: Public Receptors - Routine Exposure

Pathway: Dermal Contact with Spray Drift

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
									Int	Long	Int	Long
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	4.00E-01	5.77E-05	6.43E+01	1.48E-03	2.50E+01	8.00E+00	1.68E+04	5.39E+03
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	4.00E-01	9.54E-05	6.43E+01	2.46E-03	2.50E+01	8.00E+00	1.02E+04	3.26E+03
Max	Aerial	Agricultural	Plane	Hiker/Hunter	4.00E-01	1.50E-03	6.43E+01	3.86E-02	2.50E+01	8.00E+00	6.48E+02	2.07E+02
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.00E-01	1.30E-03	6.43E+01	3.35E-02	2.50E+01	8.00E+00	7.47E+02	2.39E+02
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	4.00E-01	2.00E-04	6.43E+01	5.15E-03	2.50E+01	8.00E+00	4.86E+03	1.55E+03
Max	Ground	Agricultural	High Boom	Hiker/Hunter	4.00E-01	3.00E-04	6.43E+01	7.72E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03
Typical	Aerial	Agricultural	Plane	Berry - child	4.00E-01	4.00E-04	1.07E+02	1.71E-02	2.50E+01	8.00E+00	1.46E+03	4.67E+02
Typical	Aerial	Agricultural	Helicopter	Berry - child	4.00E-01	4.00E-04	1.07E+02	1.71E-02	2.50E+01	8.00E+00	1.46E+03	4.67E+02
Typical	Ground	Agricultural	Low Boom	Berry - child	4.00E-01	5.77E-05	1.07E+02	2.47E-03	2.50E+01	8.00E+00	1.01E+04	3.24E+03
Typical	Ground	Agricultural	High Boom	Berry - child	4.00E-01	9.54E-05	1.07E+02	4.09E-03	2.50E+01	8.00E+00	6.12E+03	1.96E+03
Max	Aerial	Agricultural	Plane	Berry - child	4.00E-01	1.50E-03	1.07E+02	6.43E-02	2.50E+01	8.00E+00	3.89E+02	1.24E+02
Max	Aerial	Agricultural	Helicopter	Berry - child	4.00E-01	1.30E-03	1.07E+02	5.57E-02	2.50E+01	8.00E+00	4.49E+02	1.44E+02
Max	Ground	Agricultural	Low Boom	Berry - child	4.00E-01	2.00E-04	1.07E+02	8.57E-03	2.50E+01	8.00E+00	2.92E+03	9.33E+02
Max	Ground	Agricultural	High Boom	Berry - child	4.00E-01	3.00E-04	1.07E+02	1.29E-02	2.50E+01	8.00E+00	1.94E+03	6.22E+02
Typical	Aerial	Agricultural	Plane	Berry - adult	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Aerial	Agricultural	Helicopter	Berry - adult	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Ground	Agricultural	Low Boom	Berry - adult	4.00E-01	5.77E-05	6.43E+01	1.48E-03	2.50E+01	8.00E+00	1.68E+04	5.39E+03
Typical	Ground	Agricultural	High Boom	Berry - adult	4.00E-01	9.54E-05	6.43E+01	2.46E-03	2.50E+01	8.00E+00	1.02E+04	3.26E+03
Max	Aerial	Agricultural	Plane	Berry - adult	4.00E-01	1.50E-03	6.43E+01	3.86E-02	2.50E+01	8.00E+00	6.48E+02	2.07E+02
Max	Aerial	Agricultural	Helicopter	Berry - adult	4.00E-01	1.30E-03	6.43E+01	3.35E-02	2.50E+01	8.00E+00	7.47E+02	2.39E+02
Max	Ground	Agricultural	Low Boom	Berry - adult	4.00E-01	2.00E-04	6.43E+01	5.15E-03	2.50E+01	8.00E+00	4.86E+03	1.55E+03
Max	Ground	Agricultural	High Boom	Berry - adult	4.00E-01	3.00E-04	6.43E+01	7.72E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03
Typical	Aerial	Agricultural	Plane	Angler	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Aerial	Agricultural	Helicopter	Angler	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Ground	Agricultural	Low Boom	Angler	4.00E-01	5.77E-05	6.43E+01	1.48E-03	2.50E+01	8.00E+00	1.68E+04	5.39E+03
Typical	Ground	Agricultural	High Boom	Angler	4.00E-01	9.54E-05	6.43E+01	2.46E-03	2.50E+01	8.00E+00	1.02E+04	3.26E+03
Max	Aerial	Agricultural	Plane	Angler	4.00E-01	1.50E-03	6.43E+01	3.86E-02	2.50E+01	8.00E+00	6.48E+02	2.07E+02
Max	Aerial	Agricultural	Helicopter	Angler	4.00E-01	1.30E-03	6.43E+01	3.35E-02	2.50E+01	8.00E+00	7.47E+02	2.39E+02
Max	Ground	Agricultural	Low Boom	Angler	4.00E-01	2.00E-04	6.43E+01	5.15E-03	2.50E+01	8.00E+00	4.86E+03	1.55E+03
Max	Ground	Agricultural	High Boom	Angler	4.00E-01	3.00E-04	6.43E+01	7.72E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure

Scenario: Public Receptors - Routine Exposure

Pathway: Dermal Contact with Spray Drift

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	ermal NOAELs (mg/kg-day)		MOE (unitless)	
									Int	Long	Int	Long
Typical	Aerial	Agricultural	Plane	Res-child	4.00E-01	4.00E-04	1.07E+02	1.71E-02	2.50E+01	8.00E+00	1.46E+03	4.67E+02
Typical	Aerial	Agricultural	Helicopter	Res-child	4.00E-01	4.00E-04	1.07E+02	1.71E-02	2.50E+01	8.00E+00	1.46E+03	4.67E+02
Typical	Ground	Agricultural	Low Boom	Res-child	4.00E-01	5.77E-05	1.07E+02	2.47E-03	2.50E+01	8.00E+00	1.01E+04	3.24E+03
Typical	Ground	Agricultural	High Boom	Res-child	4.00E-01	9.54E-05	1.07E+02	4.09E-03	2.50E+01	8.00E+00	6.12E+03	1.96E+03
Max	Aerial	Agricultural	Plane	Res-child	4.00E-01	1.50E-03	1.07E+02	6.43E-02	2.50E+01	8.00E+00	3.89E+02	1.24E+02
Max	Aerial	Agricultural	Helicopter	Res-child	4.00E-01	1.30E-03	1.07E+02	5.57E-02	2.50E+01	8.00E+00	4.49E+02	1.44E+02
Max	Ground	Agricultural	Low Boom	Res-child	4.00E-01	2.00E-04	1.07E+02	8.57E-03	2.50E+01	8.00E+00	2.92E+03	9.33E+02
Max	Ground	Agricultural	High Boom	Res-child	4.00E-01	3.00E-04	1.07E+02	1.29E-02	2.50E+01	8.00E+00	1.94E+03	6.22E+02
Typical	Aerial	Agricultural	Plane	Res-adult	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Ground	Agricultural	Low Boom	Res-adult	4.00E-01	5.77E-05	6.43E+01	1.48E-03	2.50E+01	8.00E+00	1.68E+04	5.39E+03
Typical	Ground	Agricultural	High Boom	Res-adult	4.00E-01	9.54E-05	6.43E+01	2.46E-03	2.50E+01	8.00E+00	1.02E+04	3.26E+03
Max	Aerial	Agricultural	Plane	Res-adult	4.00E-01	1.50E-03	6.43E+01	3.86E-02	2.50E+01	8.00E+00	6.48E+02	2.07E+02
Max	Aerial	Agricultural	Helicopter	Res-adult	4.00E-01	1.30E-03	6.43E+01	3.35E-02	2.50E+01	8.00E+00	7.47E+02	2.39E+02
Max	Ground	Agricultural	Low Boom	Res-adult	4.00E-01	2.00E-04	6.43E+01	5.15E-03	2.50E+01	8.00E+00	4.86E+03	1.55E+03
Max	Ground	Agricultural	High Boom	Res-adult	4.00E-01	3.00E-04	6.43E+01	7.72E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03
Typical	Aerial	Agricultural	Plane	N.A.-child	4.00E-01	4.00E-04	1.07E+02	1.71E-02	2.50E+01	8.00E+00	1.46E+03	4.67E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-child	4.00E-01	4.00E-04	1.07E+02	1.71E-02	2.50E+01	8.00E+00	1.46E+03	4.67E+02
Typical	Ground	Agricultural	Low Boom	N.A.-child	4.00E-01	5.77E-05	1.07E+02	2.47E-03	2.50E+01	8.00E+00	1.01E+04	3.24E+03
Typical	Ground	Agricultural	High Boom	N.A.-child	4.00E-01	9.54E-05	1.07E+02	4.09E-03	2.50E+01	8.00E+00	6.12E+03	1.96E+03
Max	Aerial	Agricultural	Plane	N.A.-child	4.00E-01	1.50E-03	1.07E+02	6.43E-02	2.50E+01	8.00E+00	3.89E+02	1.24E+02
Max	Aerial	Agricultural	Helicopter	N.A.-child	4.00E-01	1.30E-03	1.07E+02	5.57E-02	2.50E+01	8.00E+00	4.49E+02	1.44E+02
Max	Ground	Agricultural	Low Boom	N.A.-child	4.00E-01	2.00E-04	1.07E+02	8.57E-03	2.50E+01	8.00E+00	2.92E+03	9.33E+02
Max	Ground	Agricultural	High Boom	N.A.-child	4.00E-01	3.00E-04	1.07E+02	1.29E-02	2.50E+01	8.00E+00	1.94E+03	6.22E+02
Typical	Aerial	Agricultural	Plane	N.A.-adult	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	4.00E-01	4.00E-04	6.43E+01	1.03E-02	2.50E+01	8.00E+00	2.43E+03	7.77E+02
Typical	Ground	Agricultural	Low Boom	N.A.-adult	4.00E-01	5.77E-05	6.43E+01	1.48E-03	2.50E+01	8.00E+00	1.68E+04	5.39E+03
Typical	Ground	Agricultural	High Boom	N.A.-adult	4.00E-01	9.54E-05	6.43E+01	2.46E-03	2.50E+01	8.00E+00	1.02E+04	3.26E+03
Max	Aerial	Agricultural	Plane	N.A.-adult	4.00E-01	1.50E-03	6.43E+01	3.86E-02	2.50E+01	8.00E+00	6.48E+02	2.07E+02
Max	Aerial	Agricultural	Helicopter	N.A.-adult	4.00E-01	1.30E-03	6.43E+01	3.35E-02	2.50E+01	8.00E+00	7.47E+02	2.39E+02
Max	Ground	Agricultural	Low Boom	N.A.-adult	4.00E-01	2.00E-04	6.43E+01	5.15E-03	2.50E+01	8.00E+00	4.86E+03	1.55E+03
Max	Ground	Agricultural	High Boom	N.A.-adult	4.00E-01	3.00E-04	6.43E+01	7.72E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure

Scenario: Public Receptors - Routine Exposure

Pathway: Dermal Contact with Foliage

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Foliage	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Dislodgeable Foliar Residue (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	ermal NOAELs (mg/kg-day)		MOE (unitless)	
											Int	Long	Int	Long
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	2.00E-01	4.00E-01	5.77E-05	1.15E-05	2.86E+01	1.32E-04	2.50E+01	8.00E+00	1.90E+05	6.07E+04
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	2.00E-01	4.00E-01	9.54E-05	1.91E-05	2.86E+01	2.18E-04	2.50E+01	8.00E+00	1.15E+05	3.67E+04
Max	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	4.00E-01	1.50E-03	3.00E-04	2.86E+01	3.43E-03	2.50E+01	8.00E+00	7.29E+03	2.33E+03
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	4.00E-01	1.30E-03	2.60E-04	2.86E+01	2.97E-03	2.50E+01	8.00E+00	8.41E+03	2.69E+03
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	2.00E-01	4.00E-01	2.00E-04	4.00E-05	2.86E+01	4.57E-04	2.50E+01	8.00E+00	5.47E+04	1.75E+04
Max	Ground	Agricultural	High Boom	Hiker/Hunter	2.00E-01	4.00E-01	3.00E-04	6.00E-05	2.86E+01	6.86E-04	2.50E+01	8.00E+00	3.65E+04	1.17E+04
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.00E+01	1.28E-03	2.50E+01	8.00E+00	1.95E+04	6.25E+03
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.00E+01	1.28E-03	2.50E+01	8.00E+00	1.95E+04	6.25E+03
Typical	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	4.00E-01	5.77E-05	1.15E-05	4.00E+01	1.85E-04	2.50E+01	8.00E+00	1.35E+05	4.33E+04
Typical	Ground	Agricultural	High Boom	Berry - child	2.00E-01	4.00E-01	9.54E-05	1.91E-05	4.00E+01	3.05E-04	2.50E+01	8.00E+00	8.19E+04	2.62E+04
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.00E-01	1.50E-03	3.00E-04	4.00E+01	4.80E-03	2.50E+01	8.00E+00	5.21E+03	1.67E+03
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.00E-01	1.30E-03	2.60E-04	4.00E+01	4.16E-03	2.50E+01	8.00E+00	6.01E+03	1.92E+03
Max	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	4.00E-01	2.00E-04	4.00E-05	4.00E+01	6.40E-04	2.50E+01	8.00E+00	3.91E+04	1.25E+04
Max	Ground	Agricultural	High Boom	Berry - child	2.00E-01	4.00E-01	3.00E-04	6.00E-05	4.00E+01	9.60E-04	2.50E+01	8.00E+00	2.60E+04	8.33E+03
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.29E+01	1.37E-03	2.50E+01	8.00E+00	1.82E+04	5.83E+03
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.29E+01	1.37E-03	2.50E+01	8.00E+00	1.82E+04	5.83E+03
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	4.00E-01	5.77E-05	1.15E-05	4.29E+01	1.98E-04	2.50E+01	8.00E+00	1.26E+05	4.04E+04
Typical	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	4.00E-01	9.54E-05	1.91E-05	4.29E+01	3.27E-04	2.50E+01	8.00E+00	7.64E+04	2.45E+04
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.00E-01	1.50E-03	3.00E-04	4.29E+01	5.14E-03	2.50E+01	8.00E+00	4.86E+03	1.56E+03
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.00E-01	1.30E-03	2.60E-04	4.29E+01	4.46E-03	2.50E+01	8.00E+00	5.61E+03	1.79E+03
Max	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	4.00E-01	2.00E-04	4.00E-05	4.29E+01	6.86E-04	2.50E+01	8.00E+00	3.65E+04	1.17E+04
Max	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	4.00E-01	3.00E-04	6.00E-05	4.29E+01	1.03E-03	2.50E+01	8.00E+00	2.43E+04	7.78E+03
Typical	Aerial	Agricultural	Plane	Angler	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Aerial	Agricultural	Helicopter	Angler	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Ground	Agricultural	Low Boom	Angler	2.00E-01	4.00E-01	5.77E-05	1.15E-05	2.86E+01	1.32E-04	2.50E+01	8.00E+00	1.90E+05	6.07E+04
Typical	Ground	Agricultural	High Boom	Angler	2.00E-01	4.00E-01	9.54E-05	1.91E-05	2.86E+01	2.18E-04	2.50E+01	8.00E+00	1.15E+05	3.67E+04
Max	Aerial	Agricultural	Plane	Angler	2.00E-01	4.00E-01	1.50E-03	3.00E-04	2.86E+01	3.43E-03	2.50E+01	8.00E+00	7.29E+03	2.33E+03
Max	Aerial	Agricultural	Helicopter	Angler	2.00E-01	4.00E-01	1.30E-03	2.60E-04	2.86E+01	2.97E-03	2.50E+01	8.00E+00	8.41E+03	2.69E+03
Max	Ground	Agricultural	Low Boom	Angler	2.00E-01	4.00E-01	2.00E-04	4.00E-05	2.86E+01	4.57E-04	2.50E+01	8.00E+00	5.47E+04	1.75E+04
Max	Ground	Agricultural	High Boom	Angler	2.00E-01	4.00E-01	3.00E-04	6.00E-05	2.86E+01	6.86E-04	2.50E+01	8.00E+00	3.65E+04	1.17E+04

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure

Scenario: Public Receptors - Routine Exposure

Pathway: Dermal Contact with Foliage

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Foliage	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Dislodgeable Foliar Residue (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
											Int	Long	Int	Long
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.93E+02	2.22E-02	2.50E+01	8.00E+00	1.13E+03	3.61E+02
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.93E+02	2.22E-02	2.50E+01	8.00E+00	1.13E+03	3.61E+02
Typical	Ground	Agricultural	Low Boom	Res-child	2.00E-01	4.00E-01	5.77E-05	1.15E-05	6.93E+02	3.20E-03	2.50E+01	8.00E+00	7.81E+03	2.50E+03
Typical	Ground	Agricultural	High Boom	Res-child	2.00E-01	4.00E-01	9.54E-05	1.91E-05	6.93E+02	5.29E-03	2.50E+01	8.00E+00	4.72E+03	1.51E+03
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.00E-01	1.50E-03	3.00E-04	6.93E+02	8.32E-02	2.50E+01	8.00E+00	3.00E+02	9.62E+01
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.00E-01	1.30E-03	2.60E-04	6.93E+02	7.21E-02	2.50E+01	8.00E+00	3.47E+02	1.11E+02
Max	Ground	Agricultural	Low Boom	Res-child	2.00E-01	4.00E-01	2.00E-04	4.00E-05	6.93E+02	1.11E-02	2.50E+01	8.00E+00	2.25E+03	7.21E+02
Max	Ground	Agricultural	High Boom	Res-child	2.00E-01	4.00E-01	3.00E-04	6.00E-05	6.93E+02	1.66E-02	2.50E+01	8.00E+00	1.50E+03	4.81E+02
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.14E+02	1.33E-02	2.50E+01	8.00E+00	1.89E+03	6.03E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.14E+02	1.33E-02	2.50E+01	8.00E+00	1.89E+03	6.03E+02
Typical	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	4.00E-01	5.77E-05	1.15E-05	4.14E+02	1.91E-03	2.50E+01	8.00E+00	1.31E+04	4.18E+03
Typical	Ground	Agricultural	High Boom	Res-adult	2.00E-01	4.00E-01	9.54E-05	1.91E-05	4.14E+02	3.16E-03	2.50E+01	8.00E+00	7.91E+03	2.53E+03
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.00E-01	1.50E-03	3.00E-04	4.14E+02	4.97E-02	2.50E+01	8.00E+00	5.03E+02	1.61E+02
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.00E-01	1.30E-03	2.60E-04	4.14E+02	4.31E-02	2.50E+01	8.00E+00	5.80E+02	1.86E+02
Max	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	4.00E-01	2.00E-04	4.00E-05	4.14E+02	6.63E-03	2.50E+01	8.00E+00	3.77E+03	1.21E+03
Max	Ground	Agricultural	High Boom	Res-adult	2.00E-01	4.00E-01	3.00E-04	6.00E-05	4.14E+02	9.94E-03	2.50E+01	8.00E+00	2.51E+03	8.05E+02
Typical	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.00E+01	1.92E-03	2.50E+01	8.00E+00	1.30E+04	4.17E+03
Typical	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.00E+01	1.92E-03	2.50E+01	8.00E+00	1.30E+04	4.17E+03
Typical	Ground	Agricultural	Low Boom	N.A.-child	2.00E-01	4.00E-01	5.77E-05	1.15E-05	6.00E+01	2.77E-04	2.50E+01	8.00E+00	9.03E+04	2.89E+04
Typical	Ground	Agricultural	High Boom	N.A.-child	2.00E-01	4.00E-01	9.54E-05	1.91E-05	6.00E+01	4.58E-04	2.50E+01	8.00E+00	5.46E+04	1.75E+04
Max	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	4.00E-01	1.50E-03	3.00E-04	6.00E+01	7.20E-03	2.50E+01	8.00E+00	3.47E+03	1.11E+03
Max	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	4.00E-01	1.30E-03	2.60E-04	6.00E+01	6.24E-03	2.50E+01	8.00E+00	4.01E+03	1.28E+03
Max	Ground	Agricultural	Low Boom	N.A.-child	2.00E-01	4.00E-01	2.00E-04	4.00E-05	6.00E+01	9.60E-04	2.50E+01	8.00E+00	2.60E+04	8.33E+03
Max	Ground	Agricultural	High Boom	N.A.-child	2.00E-01	4.00E-01	3.00E-04	6.00E-05	6.00E+01	1.44E-03	2.50E+01	8.00E+00	1.74E+04	5.56E+03
Typical	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.43E+01	2.06E-03	2.50E+01	8.00E+00	1.22E+04	3.89E+03
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.43E+01	2.06E-03	2.50E+01	8.00E+00	1.22E+04	3.89E+03
Typical	Ground	Agricultural	Low Boom	N.A.-adult	2.00E-01	4.00E-01	5.77E-05	1.15E-05	6.43E+01	2.97E-04	2.50E+01	8.00E+00	8.42E+04	2.70E+04
Typical	Ground	Agricultural	High Boom	N.A.-adult	2.00E-01	4.00E-01	9.54E-05	1.91E-05	6.43E+01	4.91E-04	2.50E+01	8.00E+00	5.10E+04	1.63E+04
Max	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	4.00E-01	1.50E-03	3.00E-04	6.43E+01	7.71E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03
Max	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	4.00E-01	1.30E-03	2.60E-04	6.43E+01	6.69E-03	2.50E+01	8.00E+00	3.74E+03	1.20E+03
Max	Ground	Agricultural	Low Boom	N.A.-adult	2.00E-01	4.00E-01	2.00E-04	4.00E-05	6.43E+01	1.03E-03	2.50E+01	8.00E+00	2.43E+04	7.78E+03
Max	Ground	Agricultural	High Boom	N.A.-adult	2.00E-01	4.00E-01	3.00E-04	6.00E-05	6.43E+01	1.54E-03	2.50E+01	8.00E+00	1.62E+04	5.19E+03

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Ingestion of Berries

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Berry	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	5.77E-05	4.60E+00	5.31E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Berry - child	2.00E-01	9.54E-05	4.60E+00	8.78E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	1.50E-03	4.60E+00	1.38E-03	8.00E-02	1.73%
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	1.30E-03	4.60E+00	1.20E-03	8.00E-02	1.50%
Max	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Berry - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	8.00E-02	0.35%
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	5.77E-05	4.57E+00	5.28E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	9.54E-05	4.57E+00	8.72E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	1.50E-03	4.57E+00	1.37E-03	8.00E-02	1.71%
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	1.30E-03	4.57E+00	1.19E-03	8.00E-02	1.49%
Max	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	8.00E-02	0.34%
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Res-child	2.00E-01	5.77E-05	4.60E+00	5.31E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Res-child	2.00E-01	9.54E-05	4.60E+00	8.78E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	1.50E-03	4.60E+00	1.38E-03	8.00E-02	1.73%
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	1.30E-03	4.60E+00	1.20E-03	8.00E-02	1.50%
Max	Ground	Agricultural	Low Boom	Res-child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Res-child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	8.00E-02	0.35%
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	5.77E-05	4.57E+00	5.28E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Res-adult	2.00E-01	9.54E-05	4.57E+00	8.72E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	1.50E-03	4.57E+00	1.37E-03	8.00E-02	1.71%
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	1.30E-03	4.57E+00	1.19E-03	8.00E-02	1.49%
Max	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Res-adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	8.00E-02	0.34%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Ingestion of Berries

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Berry	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	N.American - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.00E-01	5.77E-05	4.60E+00	5.31E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	N.American - child	2.00E-01	9.54E-05	4.60E+00	8.78E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	N.American - child	2.00E-01	1.50E-03	4.60E+00	1.38E-03	8.00E-02	1.73%
Max	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	1.30E-03	4.60E+00	1.20E-03	8.00E-02	1.50%
Max	Ground	Agricultural	Low Boom	N.American - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	N.American - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	8.00E-02	0.35%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.00E-01	5.77E-05	4.57E+00	5.28E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	N.American - adult	2.00E-01	9.54E-05	4.57E+00	8.72E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	1.50E-03	4.57E+00	1.37E-03	8.00E-02	1.71%
Max	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	1.30E-03	4.57E+00	1.19E-03	8.00E-02	1.49%
Max	Ground	Agricultural	Low Boom	N.American - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	N.American - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	8.00E-02	0.34%

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure
 Scenario: Public Receptors - Routine Exposure
 Pathway: Dermal Contact with Water While Swimming
 Pesticide: Fluridone
 Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeability Constant (cm/hr)	Water Concentration (mg/L)	Unit Correction Factor (L/cm3)	Exposure Factor (cm2-hr/kg-day)	Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	3.97E-04	2.94E-03	1.00E-03	4.40E+02	5.14E-07	2.50E+01	4.87E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	3.97E-04	2.50E-03	1.00E-03	4.40E+02	4.37E-07	2.50E+01	5.72E+07
Typical	Ground	Agricultural	Low Boom	Swimmer-child	3.97E-04	2.79E-04	1.00E-03	4.40E+02	4.88E-08	2.50E+01	5.13E+08
Typical	Ground	Agricultural	High Boom	Swimmer-child	3.97E-04	4.49E-04	1.00E-03	4.40E+02	7.85E-08	2.50E+01	3.19E+08
Max	Aerial	Agricultural	Plane	Swimmer-child	3.97E-04	1.13E-02	1.00E-03	4.40E+02	1.97E-06	2.50E+01	1.27E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-child	3.97E-04	9.42E-03	1.00E-03	4.40E+02	1.65E-06	2.50E+01	1.52E+07
Max	Ground	Agricultural	Low Boom	Swimmer-child	3.97E-04	9.13E-04	1.00E-03	4.40E+02	1.60E-07	2.50E+01	1.57E+08
Max	Ground	Agricultural	High Boom	Swimmer-child	3.97E-04	1.47E-03	1.00E-03	4.40E+02	2.57E-07	2.50E+01	9.73E+07
Typical	Aerial	Agricultural	Plane	Swimmer-adult	3.97E-04	2.94E-03	1.00E-03	2.57E+02	3.00E-07	2.50E+01	8.33E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	3.97E-04	2.50E-03	1.00E-03	2.57E+02	2.55E-07	2.50E+01	9.79E+07
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	3.97E-04	2.79E-04	1.00E-03	2.57E+02	2.85E-08	2.50E+01	8.77E+08
Typical	Ground	Agricultural	High Boom	Swimmer-adult	3.97E-04	4.49E-04	1.00E-03	2.57E+02	4.59E-08	2.50E+01	5.45E+08
Max	Aerial	Agricultural	Plane	Swimmer-adult	3.97E-04	1.13E-02	1.00E-03	2.57E+02	1.15E-06	2.50E+01	2.17E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	3.97E-04	9.42E-03	1.00E-03	2.57E+02	9.62E-07	2.50E+01	2.60E+07
Max	Ground	Agricultural	Low Boom	Swimmer-adult	3.97E-04	9.13E-04	1.00E-03	2.57E+02	9.32E-08	2.50E+01	2.68E+08
Max	Ground	Agricultural	High Boom	Swimmer-adult	3.97E-04	1.47E-03	1.00E-03	2.57E+02	1.50E-07	2.50E+01	1.67E+08
Typical	Aerial	Agricultural	Plane	N.American-child	3.97E-04	2.94E-03	1.00E-03	1.14E+03	1.34E-06	2.50E+01	1.87E+07
Typical	Aerial	Agricultural	Helicopter	N.American-child	3.97E-04	2.50E-03	1.00E-03	1.14E+03	1.14E-06	2.50E+01	2.20E+07
Typical	Ground	Agricultural	Low Boom	N.American-child	3.97E-04	2.79E-04	1.00E-03	1.14E+03	1.27E-07	2.50E+01	1.97E+08
Typical	Ground	Agricultural	High Boom	N.American-child	3.97E-04	4.49E-04	1.00E-03	1.14E+03	2.04E-07	2.50E+01	1.23E+08
Max	Aerial	Agricultural	Plane	N.American-child	3.97E-04	1.13E-02	1.00E-03	1.14E+03	5.13E-06	2.50E+01	4.87E+06
Max	Aerial	Agricultural	Helicopter	N.American-child	3.97E-04	9.42E-03	1.00E-03	1.14E+03	4.28E-06	2.50E+01	5.84E+06
Max	Ground	Agricultural	Low Boom	N.American-child	3.97E-04	9.13E-04	1.00E-03	1.14E+03	4.15E-07	2.50E+01	6.03E+07
Max	Ground	Agricultural	High Boom	N.American-child	3.97E-04	1.47E-03	1.00E-03	1.14E+03	6.68E-07	2.50E+01	3.74E+07
Typical	Aerial	Agricultural	Plane	N.American-adult	3.97E-04	2.94E-03	1.00E-03	6.69E+02	7.81E-07	2.50E+01	3.20E+07
Typical	Aerial	Agricultural	Helicopter	N.American-adult	3.97E-04	2.50E-03	1.00E-03	6.69E+02	6.64E-07	2.50E+01	3.77E+07
Typical	Ground	Agricultural	Low Boom	N.American-adult	3.97E-04	2.79E-04	1.00E-03	6.69E+02	7.41E-08	2.50E+01	3.37E+08
Typical	Ground	Agricultural	High Boom	N.American-adult	3.97E-04	4.49E-04	1.00E-03	6.69E+02	1.19E-07	2.50E+01	2.10E+08
Max	Aerial	Agricultural	Plane	N.American-adult	3.97E-04	1.13E-02	1.00E-03	6.69E+02	3.00E-06	2.50E+01	8.33E+06
Max	Aerial	Agricultural	Helicopter	N.American-adult	3.97E-04	9.42E-03	1.00E-03	6.69E+02	2.50E-06	2.50E+01	9.99E+06
Max	Ground	Agricultural	Low Boom	N.American-adult	3.97E-04	9.13E-04	1.00E-03	6.69E+02	2.42E-07	2.50E+01	1.03E+08
Max	Ground	Agricultural	High Boom	N.American-adult	3.97E-04	1.47E-03	1.00E-03	6.69E+02	3.90E-07	2.50E+01	6.40E+07

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Incidental Ingestion of Water while Swimming

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Incidental Ingestion		
							Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	2.94E-03	3.33E-03	9.80E-06	2.50E+01	2.55E+06
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	2.50E-03	3.33E-03	8.33E-06	2.50E+01	3.00E+06
Typical	Ground	Agricultural	Low Boom	Swimmer-child	2.79E-04	3.33E-03	9.30E-07	2.50E+01	2.69E+07
Typical	Ground	Agricultural	High Boom	Swimmer-child	4.49E-04	3.33E-03	1.50E-06	2.50E+01	1.67E+07
Max	Aerial	Agricultural	Plane	Swimmer-child	1.13E-02	3.33E-03	3.77E-05	2.50E+01	6.64E+05
Max	Aerial	Agricultural	Helicopter	Swimmer-child	9.42E-03	3.33E-03	3.14E-05	2.50E+01	7.96E+05
Max	Ground	Agricultural	Low Boom	Swimmer-child	9.13E-04	3.33E-03	3.04E-06	2.50E+01	8.21E+06
Max	Ground	Agricultural	High Boom	Swimmer-child	1.47E-03	3.33E-03	4.90E-06	2.50E+01	5.10E+06
Typical	Aerial	Agricultural	Plane	Swimmer-adult	2.94E-03	7.14E-04	2.10E-06	2.50E+01	1.19E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	2.50E-03	7.14E-04	1.79E-06	2.50E+01	1.40E+07
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	2.79E-04	7.14E-04	1.99E-07	2.50E+01	1.25E+08
Typical	Ground	Agricultural	High Boom	Swimmer-adult	4.49E-04	7.14E-04	3.21E-07	2.50E+01	7.80E+07
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.13E-02	7.14E-04	8.07E-06	2.50E+01	3.10E+06
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	9.42E-03	7.14E-04	6.73E-06	2.50E+01	3.72E+06
Max	Ground	Agricultural	Low Boom	Swimmer-adult	9.13E-04	7.14E-04	6.52E-07	2.50E+01	3.83E+07
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.47E-03	7.14E-04	1.05E-06	2.50E+01	2.38E+07

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Drinking Water Ingestion

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water	
								PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	2.94E-03	2.86E-02	8.40E-05	8.00E-02	0.11%
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.50E-03	2.86E-02	7.14E-05	8.00E-02	0.09%
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	2.79E-04	2.86E-02	7.97E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	4.49E-04	2.86E-02	1.28E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.13E-02	2.86E-02	3.23E-04	8.00E-02	0.40%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	9.42E-03	2.86E-02	2.69E-04	8.00E-02	0.34%
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	9.13E-04	2.86E-02	2.61E-05	8.00E-02	0.03%
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.47E-03	2.86E-02	4.20E-05	8.00E-02	0.05%
Typical	Aerial	Agricultural	Plane	Berry - child	2.94E-03	6.67E-02	1.96E-04	8.00E-02	0.25%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.50E-03	6.67E-02	1.67E-04	8.00E-02	0.21%
Typical	Ground	Agricultural	Low Boom	Berry - child	2.79E-04	6.67E-02	1.86E-05	8.00E-02	0.02%
Typical	Ground	Agricultural	High Boom	Berry - child	4.49E-04	6.67E-02	2.99E-05	8.00E-02	0.04%
Max	Aerial	Agricultural	Plane	Berry - child	1.13E-02	6.67E-02	7.53E-04	8.00E-02	0.94%
Max	Aerial	Agricultural	Helicopter	Berry - child	9.42E-03	6.67E-02	6.28E-04	8.00E-02	0.79%
Max	Ground	Agricultural	Low Boom	Berry - child	9.13E-04	6.67E-02	6.09E-05	8.00E-02	0.08%
Max	Ground	Agricultural	High Boom	Berry - child	1.47E-03	6.67E-02	9.80E-05	8.00E-02	0.12%
Typical	Aerial	Agricultural	Plane	Berry - adult	2.94E-03	2.86E-02	8.40E-05	8.00E-02	0.11%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.50E-03	2.86E-02	7.14E-05	8.00E-02	0.09%
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.79E-04	2.86E-02	7.97E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	Berry - adult	4.49E-04	2.86E-02	1.28E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	Berry - adult	1.13E-02	2.86E-02	3.23E-04	8.00E-02	0.40%
Max	Aerial	Agricultural	Helicopter	Berry - adult	9.42E-03	2.86E-02	2.69E-04	8.00E-02	0.34%
Max	Ground	Agricultural	Low Boom	Berry - adult	9.13E-04	2.86E-02	2.61E-05	8.00E-02	0.03%
Max	Ground	Agricultural	High Boom	Berry - adult	1.47E-03	2.86E-02	4.20E-05	8.00E-02	0.05%
Typical	Aerial	Agricultural	Plane	Angler	2.94E-03	2.86E-02	8.40E-05	8.00E-02	0.11%
Typical	Aerial	Agricultural	Helicopter	Angler	2.50E-03	2.86E-02	7.14E-05	8.00E-02	0.09%
Typical	Ground	Agricultural	Low Boom	Angler	2.79E-04	2.86E-02	7.97E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	Angler	4.49E-04	2.86E-02	1.28E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	Angler	1.13E-02	2.86E-02	3.23E-04	8.00E-02	0.40%
Max	Aerial	Agricultural	Helicopter	Angler	9.42E-03	2.86E-02	2.69E-04	8.00E-02	0.34%
Max	Ground	Agricultural	Low Boom	Angler	9.13E-04	2.86E-02	2.61E-05	8.00E-02	0.03%
Max	Ground	Agricultural	High Boom	Angler	1.47E-03	2.86E-02	4.20E-05	8.00E-02	0.05%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Drinking Water Ingestion

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water	
								PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	N.American - child	2.94E-03	3.33E-02	9.80E-05	8.00E-02	0.12%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.50E-03	3.33E-02	8.33E-05	8.00E-02	0.10%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.79E-04	3.33E-02	9.30E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	N.American - child	4.49E-04	3.33E-02	1.50E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	N.American - child	1.13E-02	3.33E-02	3.77E-04	8.00E-02	0.47%
Max	Aerial	Agricultural	Helicopter	N.American - child	9.42E-03	3.33E-02	3.14E-04	8.00E-02	0.39%
Max	Ground	Agricultural	Low Boom	N.American - child	9.13E-04	3.33E-02	3.04E-05	8.00E-02	0.04%
Max	Ground	Agricultural	High Boom	N.American - child	1.47E-03	3.33E-02	4.90E-05	8.00E-02	0.06%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.94E-03	1.43E-02	4.20E-05	8.00E-02	0.05%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.50E-03	1.43E-02	3.57E-05	8.00E-02	0.04%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.79E-04	1.43E-02	3.99E-06	8.00E-02	0.00%
Typical	Ground	Agricultural	High Boom	N.American - adult	4.49E-04	1.43E-02	6.41E-06	8.00E-02	0.01%
Max	Aerial	Agricultural	Plane	N.American - adult	1.13E-02	1.43E-02	1.61E-04	8.00E-02	0.20%
Max	Aerial	Agricultural	Helicopter	N.American - adult	9.42E-03	1.43E-02	1.35E-04	8.00E-02	0.17%
Max	Ground	Agricultural	Low Boom	N.American - adult	9.13E-04	1.43E-02	1.30E-05	8.00E-02	0.02%
Max	Ground	Agricultural	High Boom	N.American - adult	1.47E-03	1.43E-02	2.10E-05	8.00E-02	0.03%

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Ingestion of Fish

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Bioconcentration Factor (L/kg)	Unit Correction Factor (kg/mg)	Exposure Factor (mg/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Angler	2.94E-03	3.01E+00	1.00E-06	9.00E+02	7.96E-06	8.00E-02	0.0100%
Typical	Aerial	Agricultural	Helicopter	Angler	2.50E-03	3.01E+00	1.00E-06	9.00E+02	6.77E-06	8.00E-02	0.0085%
Typical	Ground	Agricultural	Low Boom	Angler	2.79E-04	3.01E+00	1.00E-06	9.00E+02	7.56E-07	8.00E-02	0.0009%
Typical	Ground	Agricultural	High Boom	Angler	4.49E-04	3.01E+00	1.00E-06	9.00E+02	1.22E-06	8.00E-02	0.0015%
Max	Aerial	Agricultural	Plane	Angler	1.13E-02	3.01E+00	1.00E-06	9.00E+02	3.06E-05	8.00E-02	0.0383%
Max	Aerial	Agricultural	Helicopter	Angler	9.42E-03	3.01E+00	1.00E-06	9.00E+02	2.55E-05	8.00E-02	0.0319%
Max	Ground	Agricultural	Low Boom	Angler	9.13E-04	3.01E+00	1.00E-06	9.00E+02	2.47E-06	8.00E-02	0.0031%
Max	Ground	Agricultural	High Boom	Angler	1.47E-03	3.01E+00	1.00E-06	9.00E+02	3.98E-06	8.00E-02	0.0050%
Typical	Aerial	Agricultural	Plane	N.American - child	2.94E-03	3.01E+00	1.00E-06	1.27E+04	1.12E-04	8.00E-02	0.1401%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.50E-03	3.01E+00	1.00E-06	1.27E+04	9.53E-05	8.00E-02	0.1191%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.79E-04	3.01E+00	1.00E-06	1.27E+04	1.06E-05	8.00E-02	0.0133%
Typical	Ground	Agricultural	High Boom	N.American - child	4.49E-04	3.01E+00	1.00E-06	1.27E+04	1.71E-05	8.00E-02	0.0214%
Max	Aerial	Agricultural	Plane	N.American - child	1.13E-02	3.01E+00	1.00E-06	1.27E+04	4.31E-04	8.00E-02	0.5385%
Max	Aerial	Agricultural	Helicopter	N.American - child	9.42E-03	3.01E+00	1.00E-06	1.27E+04	3.59E-04	8.00E-02	0.4489%
Max	Ground	Agricultural	Low Boom	N.American - child	9.13E-04	3.01E+00	1.00E-06	1.27E+04	3.48E-05	8.00E-02	0.0435%
Max	Ground	Agricultural	High Boom	N.American - child	1.47E-03	3.01E+00	1.00E-06	1.27E+04	5.60E-05	8.00E-02	0.0701%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.94E-03	3.01E+00	1.00E-06	1.26E+04	1.12E-04	8.00E-02	0.1399%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.50E-03	3.01E+00	1.00E-06	1.26E+04	9.51E-05	8.00E-02	0.1189%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.79E-04	3.01E+00	1.00E-06	1.26E+04	1.06E-05	8.00E-02	0.0133%
Typical	Ground	Agricultural	High Boom	N.American - adult	4.49E-04	3.01E+00	1.00E-06	1.26E+04	1.71E-05	8.00E-02	0.0214%
Max	Aerial	Agricultural	Plane	N.American - adult	1.13E-02	3.01E+00	1.00E-06	1.26E+04	4.30E-04	8.00E-02	0.5375%
Max	Aerial	Agricultural	Helicopter	N.American - adult	9.42E-03	3.01E+00	1.00E-06	1.26E+04	3.58E-04	8.00E-02	0.4481%
Max	Ground	Agricultural	Low Boom	N.American - adult	9.13E-04	3.01E+00	1.00E-06	1.26E+04	3.47E-05	8.00E-02	0.0434%
Max	Ground	Agricultural	High Boom	N.American - adult	1.47E-03	3.01E+00	1.00E-06	1.26E+04	5.59E-05	8.00E-02	0.0699%

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Intermediate Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion Short/Int Term Oral MOE	Exposure Pathways			Intermediate-Term Aggregate Risk Index
					Target MOE	Drift MOE	Foliage MOE	Water MOE		Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.11%	--	--	2.18E+01
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.09%	--	--	2.19E+01
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.01%	--	--	1.52E+02
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.02%	--	--	9.21E+01
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.40%	--	--	5.81E+00
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.34%	--	--	6.71E+00
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.03%	--	--	4.40E+01
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.05%	--	--	2.93E+01
Typical	Aerial	Agricultural	Plane	Berry - child	1.00E+02	#####	#####	--	--	0.25%	0.46%	--	1.24E+01
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	#####	#####	--	--	0.21%	0.46%	--	1.24E+01
Typical	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	#####	#####	--	--	0.02%	0.07%	--	8.68E+01
Typical	Ground	Agricultural	High Boom	Berry - child	1.00E+02	#####	#####	--	--	0.04%	0.11%	--	5.25E+01
Max	Aerial	Agricultural	Plane	Berry - child	1.00E+02	#####	#####	--	--	0.94%	1.73%	--	3.30E+00
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	#####	#####	--	--	0.79%	1.50%	--	3.81E+00
Max	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	#####	#####	--	--	0.08%	0.23%	--	2.51E+01
Max	Ground	Agricultural	High Boom	Berry - child	1.00E+02	#####	#####	--	--	0.12%	0.35%	--	1.67E+01
Typical	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	#####	#####	--	--	0.11%	0.46%	--	1.91E+01
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	#####	#####	--	--	0.09%	0.46%	--	1.92E+01
Typical	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.01%	0.07%	--	1.34E+02
Typical	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.02%	0.11%	--	8.08E+01
Max	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	#####	#####	--	--	0.40%	1.71%	--	5.10E+00
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	#####	#####	--	--	0.34%	1.49%	--	5.89E+00
Max	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.03%	0.23%	--	3.85E+01
Max	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.05%	0.34%	--	2.57E+01
Typical	Aerial	Agricultural	Plane	Angler	1.00E+02	#####	#####	--	--	0.11%	--	0.0100%	2.17E+01
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	#####	#####	--	--	0.09%	--	0.0085%	2.18E+01
Typical	Ground	Agricultural	Low Boom	Angler	1.00E+02	#####	#####	--	--	0.01%	--	0.0009%	1.52E+02
Typical	Ground	Agricultural	High Boom	Angler	1.00E+02	#####	#####	--	--	0.02%	--	0.0015%	9.20E+01
Max	Aerial	Agricultural	Plane	Angler	1.00E+02	#####	#####	--	--	0.40%	--	0.0383%	5.80E+00
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	#####	#####	--	--	0.34%	--	0.0319%	6.69E+00
Max	Ground	Agricultural	Low Boom	Angler	1.00E+02	#####	#####	--	--	0.03%	--	0.0031%	4.39E+01
Max	Ground	Agricultural	High Boom	Angler	1.00E+02	#####	#####	--	--	0.05%	--	0.0050%	2.92E+01

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Intermediate Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion Short/Int Term Oral MOE	Exposure Pathways			Intermediate-Term Aggregate Risk Index
					Target MOE	Drift MOE	Foliage MOE	Water MOE		Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Res-child	1.00E+02	#####	#####	--	--	--	0.46%	--	6.18E+00
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	#####	#####	--	--	--	0.46%	--	6.18E+00
Typical	Ground	Agricultural	Low Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.07%	--	4.28E+01
Typical	Ground	Agricultural	High Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.11%	--	2.59E+01
Max	Aerial	Agricultural	Plane	Res-child	1.00E+02	#####	#####	--	--	--	1.73%	--	1.65E+00
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	#####	#####	--	--	--	1.50%	--	1.90E+00
Max	Ground	Agricultural	Low Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.23%	--	1.24E+01
Max	Ground	Agricultural	High Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.35%	--	8.23E+00
Typical	Aerial	Agricultural	Plane	Res-adult	1.00E+02	#####	#####	--	--	--	0.46%	--	1.01E+01
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	#####	#####	--	--	--	0.46%	--	1.01E+01
Typical	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.07%	--	7.02E+01
Typical	Ground	Agricultural	High Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.11%	--	4.24E+01
Max	Aerial	Agricultural	Plane	Res-adult	1.00E+02	#####	#####	--	--	--	1.71%	--	2.70E+00
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	#####	#####	--	--	--	1.49%	--	3.12E+00
Max	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.23%	--	2.02E+01
Max	Ground	Agricultural	High Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.34%	--	1.35E+01
Typical	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	#####	#####	1.87E+07	--	0.12%	0.46%	0.1401%	1.20E+01
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	#####	#####	2.20E+07	--	0.10%	0.46%	0.1191%	1.20E+01
Typical	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	#####	#####	1.97E+08	--	0.01%	0.07%	0.0133%	8.40E+01
Typical	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	#####	#####	1.23E+08	--	0.02%	0.11%	0.0214%	5.08E+01
Max	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	#####	#####	4.87E+06	--	0.47%	1.73%	0.5385%	3.19E+00
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	#####	#####	5.84E+06	--	0.39%	1.50%	0.4489%	3.69E+00
Max	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	#####	#####	6.03E+07	--	0.04%	0.23%	0.0435%	2.42E+01
Max	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	#####	#####	3.74E+07	--	0.06%	0.35%	0.0701%	1.61E+01
Typical	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	#####	#####	3.20E+07	--	0.05%	0.46%	0.1399%	1.79E+01
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	#####	#####	3.77E+07	--	0.04%	0.46%	0.1189%	1.80E+01
Typical	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	#####	#####	3.37E+08	--	0.00%	0.07%	0.0133%	1.25E+02
Typical	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	#####	#####	2.10E+08	--	0.01%	0.11%	0.0214%	7.59E+01
Max	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	#####	#####	8.33E+06	--	0.20%	1.71%	0.5375%	4.77E+00
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	#####	#####	9.99E+06	--	0.17%	1.49%	0.4481%	5.51E+00
Max	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	#####	#####	1.03E+08	--	0.02%	0.23%	0.0434%	3.63E+01
Max	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	#####	#####	6.40E+07	--	0.03%	0.34%	0.0699%	2.41E+01

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Intermediate Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion	Exposure Pathways			Intermediate-Term Aggregate Risk Index
					Target MOE	Drift MOE	Foliage MOE	Water MOE	Short/Int Term Oral Water MOE	Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	4.87E+07	2.55E+06	--	--	--	2.42E+04
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	5.72E+07	3.00E+06	--	--	--	2.85E+04
Typical	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	5.13E+08	2.69E+07	--	--	--	2.55E+05
Typical	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	3.19E+08	1.67E+07	--	--	--	1.59E+05
Max	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	1.27E+07	6.64E+05	--	--	--	6.31E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	1.52E+07	7.96E+05	--	--	--	7.57E+03
Max	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	1.57E+08	8.21E+06	--	--	--	7.81E+04
Max	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	9.73E+07	5.10E+06	--	--	--	4.85E+04
Typical	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	8.33E+07	1.19E+07	--	--	--	1.04E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	9.79E+07	1.40E+07	--	--	--	1.22E+05
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	8.77E+08	1.25E+08	--	--	--	1.10E+06
Typical	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	5.45E+08	7.80E+07	--	--	--	6.82E+05
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	2.17E+07	3.10E+06	--	--	--	2.71E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	2.60E+07	3.72E+06	--	--	--	3.25E+04
Max	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	2.68E+08	3.83E+07	--	--	--	3.35E+05
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	1.67E+08	2.38E+07	--	--	--	2.08E+05

--Receptor not exposed via this pathway.

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Long Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion Short/Int Term Oral Water MOE	Exposure Pathways			Long-Term Aggregate Risk Index
					Target MOE	Long-Term Dermal Drift MOE	Foliage MOE	Short/Int Term Oral Water MOE		Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.11%	--	--	7.08E+00
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.09%	--	--	7.09E+00
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.01%	--	--	4.92E+01
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.02%	--	--	2.98E+01
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.40%	--	--	1.89E+00
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.34%	--	--	2.18E+00
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.03%	--	--	1.42E+01
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	#####	#####	--	--	0.05%	--	--	9.47E+00
Typical	Aerial	Agricultural	Plane	Berry - child	1.00E+02	#####	#####	--	--	0.25%	0.46%	--	4.21E+00
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	#####	#####	--	--	0.21%	0.46%	--	4.22E+00
Typical	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	#####	#####	--	--	0.02%	0.07%	--	2.93E+01
Typical	Ground	Agricultural	High Boom	Berry - child	1.00E+02	#####	#####	--	--	0.04%	0.11%	--	1.77E+01
Max	Aerial	Agricultural	Plane	Berry - child	1.00E+02	#####	#####	--	--	0.94%	1.73%	--	1.12E+00
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	#####	#####	--	--	0.79%	1.50%	--	1.30E+00
Max	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	#####	#####	--	--	0.08%	0.23%	--	8.46E+00
Max	Ground	Agricultural	High Boom	Berry - child	1.00E+02	#####	#####	--	--	0.12%	0.35%	--	5.64E+00
Typical	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	#####	#####	--	--	0.11%	0.46%	--	6.60E+00
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	#####	#####	--	--	0.09%	0.46%	--	6.61E+00
Typical	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.01%	0.07%	--	4.59E+01
Typical	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.02%	0.11%	--	2.78E+01
Max	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	#####	#####	--	--	0.40%	1.71%	--	1.76E+00
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	#####	#####	--	--	0.34%	1.49%	--	2.03E+00
Max	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.03%	0.23%	--	1.32E+01
Max	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	#####	#####	--	--	0.05%	0.34%	--	8.83E+00
Typical	Aerial	Agricultural	Plane	Angler	1.00E+02	#####	#####	--	--	0.11%	--	0.0100%	7.08E+00
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	#####	#####	--	--	0.09%	--	0.0085%	7.09E+00
Typical	Ground	Agricultural	Low Boom	Angler	1.00E+02	#####	#####	--	--	0.01%	--	0.0009%	4.92E+01
Typical	Ground	Agricultural	High Boom	Angler	1.00E+02	#####	#####	--	--	0.02%	--	0.0015%	2.98E+01
Max	Aerial	Agricultural	Plane	Angler	1.00E+02	#####	#####	--	--	0.40%	--	0.0383%	1.89E+00
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	#####	#####	--	--	0.34%	--	0.0319%	2.18E+00
Max	Ground	Agricultural	Low Boom	Angler	1.00E+02	#####	#####	--	--	0.03%	--	0.0031%	1.42E+01
Max	Ground	Agricultural	High Boom	Angler	1.00E+02	#####	#####	--	--	0.05%	--	0.0050%	9.47E+00

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Long Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion Short/Int Term Oral MOE	Exposure Pathways			Long-Term Aggregate Risk Index
					Target MOE	Long-Term Dermal Drift MOE	Foliage MOE	Short/Int Term Oral Water MOE		Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Res-child	1.00E+02	#####	#####	--	--	--	0.46%	--	2.02E+00
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	#####	#####	--	--	--	0.46%	--	2.02E+00
Typical	Ground	Agricultural	Low Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.07%	--	1.40E+01
Typical	Ground	Agricultural	High Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.11%	--	8.45E+00
Max	Aerial	Agricultural	Plane	Res-child	1.00E+02	#####	#####	--	--	--	1.73%	--	5.37E-01
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	#####	#####	--	--	--	1.50%	--	6.20E-01
Max	Ground	Agricultural	Low Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.23%	--	4.03E+00
Max	Ground	Agricultural	High Boom	Res-child	1.00E+02	#####	#####	--	--	--	0.35%	--	2.69E+00
Typical	Aerial	Agricultural	Plane	Res-adult	1.00E+02	#####	#####	--	--	--	0.46%	--	3.34E+00
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	#####	#####	--	--	--	0.46%	--	3.34E+00
Typical	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.07%	--	2.32E+01
Typical	Ground	Agricultural	High Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.11%	--	1.40E+01
Max	Aerial	Agricultural	Plane	Res-adult	1.00E+02	#####	#####	--	--	--	1.71%	--	8.92E-01
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	#####	#####	--	--	--	1.49%	--	1.03E+00
Max	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.23%	--	6.69E+00
Max	Ground	Agricultural	High Boom	Res-adult	1.00E+02	#####	#####	--	--	--	0.34%	--	4.46E+00
Typical	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	#####	#####	1.87E+07	--	0.12%	0.46%	0.1401%	4.07E+00
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	#####	#####	2.20E+07	--	0.10%	0.46%	0.1191%	4.08E+00
Typical	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	#####	#####	1.97E+08	--	0.01%	0.07%	0.0133%	2.83E+01
Typical	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	#####	#####	1.23E+08	--	0.02%	0.11%	0.0214%	1.71E+01
Max	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	#####	#####	4.87E+06	--	0.47%	1.73%	0.5385%	1.09E+00
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	#####	#####	5.84E+06	--	0.39%	1.50%	0.4489%	1.25E+00
Max	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	#####	#####	6.03E+07	--	0.04%	0.23%	0.0435%	8.18E+00
Max	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	#####	#####	3.74E+07	--	0.06%	0.35%	0.0701%	5.45E+00
Typical	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	#####	#####	3.20E+07	--	0.05%	0.46%	0.1399%	6.22E+00
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	#####	#####	3.77E+07	--	0.04%	0.46%	0.1189%	6.23E+00
Typical	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	#####	#####	3.37E+08	--	0.00%	0.07%	0.0133%	4.33E+01
Typical	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	#####	#####	2.10E+08	--	0.01%	0.11%	0.0214%	2.62E+01
Max	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	#####	#####	8.33E+06	--	0.20%	1.71%	0.5375%	1.66E+00
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	#####	#####	9.99E+06	--	0.17%	1.49%	0.4481%	1.91E+00
Max	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	#####	#####	1.03E+08	--	0.02%	0.23%	0.0434%	1.25E+01
Max	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	#####	#####	6.40E+07	--	0.03%	0.34%	0.0699%	8.32E+00

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Long Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion	Exposure Pathways			Long-Term Aggregate Risk Index
					Long-Term Dermal		Short/Int Term Oral		Short/Int Term Oral	Chronic Water	Chronic Berries	Chronic Fish	
					Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	%PAD	%PAD	%PAD	
Typical	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	4.87E+07	2.55E+06	--	--	--	2.42E+04
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	5.72E+07	3.00E+06	--	--	--	2.85E+04
Typical	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	5.13E+08	2.69E+07	--	--	--	2.55E+05
Typical	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	3.19E+08	1.67E+07	--	--	--	1.59E+05
Max	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	1.27E+07	6.64E+05	--	--	--	6.31E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	1.52E+07	7.96E+05	--	--	--	7.57E+03
Max	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	1.57E+08	8.21E+06	--	--	--	7.81E+04
Max	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	9.73E+07	5.10E+06	--	--	--	4.85E+04
Typical	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	8.33E+07	1.19E+07	--	--	--	1.04E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	9.79E+07	1.40E+07	--	--	--	1.22E+05
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	8.77E+08	1.25E+08	--	--	--	1.10E+06
Typical	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	5.45E+08	7.80E+07	--	--	--	6.82E+05
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	2.17E+07	3.10E+06	--	--	--	2.71E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	2.60E+07	3.72E+06	--	--	--	3.25E+04
Max	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	2.68E+08	3.83E+07	--	--	--	3.35E+05
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	1.67E+08	2.38E+07	--	--	--	2.08E+05

--Receptor not exposed via this pathway.

NA - Not Available.

NC - Not Calculated (No dose-response value).

(e) - Application rates are shown on Table 4-1 and are the same for each program.

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure

Scenario: Public Receptors - Routine Exposure

Pathway: Dermal Contact with Foliage

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Foliage	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Dislodgeable Foliar Residue (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	ermal NOAELs (mg/kg-day)		MOE (unitless)	
											Int	Long	Int	Long
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	2.00E-01	4.00E-01	5.77E-05	1.15E-05	2.86E+01	1.32E-04	2.50E+01	8.00E+00	1.90E+05	6.07E+04
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	2.00E-01	4.00E-01	9.54E-05	1.91E-05	2.86E+01	2.18E-04	2.50E+01	8.00E+00	1.15E+05	3.67E+04
Max	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	4.00E-01	1.50E-03	3.00E-04	2.86E+01	3.43E-03	2.50E+01	8.00E+00	7.29E+03	2.33E+03
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	4.00E-01	1.30E-03	2.60E-04	2.86E+01	2.97E-03	2.50E+01	8.00E+00	8.41E+03	2.69E+03
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	2.00E-01	4.00E-01	2.00E-04	4.00E-05	2.86E+01	4.57E-04	2.50E+01	8.00E+00	5.47E+04	1.75E+04
Max	Ground	Agricultural	High Boom	Hiker/Hunter	2.00E-01	4.00E-01	3.00E-04	6.00E-05	2.86E+01	6.86E-04	2.50E+01	8.00E+00	3.65E+04	1.17E+04
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.00E+01	1.28E-03	2.50E+01	8.00E+00	1.95E+04	6.25E+03
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.00E+01	1.28E-03	2.50E+01	8.00E+00	1.95E+04	6.25E+03
Typical	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	4.00E-01	5.77E-05	1.15E-05	4.00E+01	1.85E-04	2.50E+01	8.00E+00	1.35E+05	4.33E+04
Typical	Ground	Agricultural	High Boom	Berry - child	2.00E-01	4.00E-01	9.54E-05	1.91E-05	4.00E+01	3.05E-04	2.50E+01	8.00E+00	8.19E+04	2.62E+04
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.00E-01	1.50E-03	3.00E-04	4.00E+01	4.80E-03	2.50E+01	8.00E+00	5.21E+03	1.67E+03
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.00E-01	1.30E-03	2.60E-04	4.00E+01	4.16E-03	2.50E+01	8.00E+00	6.01E+03	1.92E+03
Max	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	4.00E-01	2.00E-04	4.00E-05	4.00E+01	6.40E-04	2.50E+01	8.00E+00	3.91E+04	1.25E+04
Max	Ground	Agricultural	High Boom	Berry - child	2.00E-01	4.00E-01	3.00E-04	6.00E-05	4.00E+01	9.60E-04	2.50E+01	8.00E+00	2.60E+04	8.33E+03
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.29E+01	1.37E-03	2.50E+01	8.00E+00	1.82E+04	5.83E+03
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.29E+01	1.37E-03	2.50E+01	8.00E+00	1.82E+04	5.83E+03
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	4.00E-01	5.77E-05	1.15E-05	4.29E+01	1.98E-04	2.50E+01	8.00E+00	1.26E+05	4.04E+04
Typical	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	4.00E-01	9.54E-05	1.91E-05	4.29E+01	3.27E-04	2.50E+01	8.00E+00	7.64E+04	2.45E+04
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.00E-01	1.50E-03	3.00E-04	4.29E+01	5.14E-03	2.50E+01	8.00E+00	4.86E+03	1.56E+03
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.00E-01	1.30E-03	2.60E-04	4.29E+01	4.46E-03	2.50E+01	8.00E+00	5.61E+03	1.79E+03
Max	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	4.00E-01	2.00E-04	4.00E-05	4.29E+01	6.86E-04	2.50E+01	8.00E+00	3.65E+04	1.17E+04
Max	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	4.00E-01	3.00E-04	6.00E-05	4.29E+01	1.03E-03	2.50E+01	8.00E+00	2.43E+04	7.78E+03
Typical	Aerial	Agricultural	Plane	Angler	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Aerial	Agricultural	Helicopter	Angler	2.00E-01	4.00E-01	4.00E-04	8.00E-05	2.86E+01	9.14E-04	2.50E+01	8.00E+00	2.73E+04	8.75E+03
Typical	Ground	Agricultural	Low Boom	Angler	2.00E-01	4.00E-01	5.77E-05	1.15E-05	2.86E+01	1.32E-04	2.50E+01	8.00E+00	1.90E+05	6.07E+04
Typical	Ground	Agricultural	High Boom	Angler	2.00E-01	4.00E-01	9.54E-05	1.91E-05	2.86E+01	2.18E-04	2.50E+01	8.00E+00	1.15E+05	3.67E+04
Max	Aerial	Agricultural	Plane	Angler	2.00E-01	4.00E-01	1.50E-03	3.00E-04	2.86E+01	3.43E-03	2.50E+01	8.00E+00	7.29E+03	2.33E+03
Max	Aerial	Agricultural	Helicopter	Angler	2.00E-01	4.00E-01	1.30E-03	2.60E-04	2.86E+01	2.97E-03	2.50E+01	8.00E+00	8.41E+03	2.69E+03
Max	Ground	Agricultural	Low Boom	Angler	2.00E-01	4.00E-01	2.00E-04	4.00E-05	2.86E+01	4.57E-04	2.50E+01	8.00E+00	5.47E+04	1.75E+04
Max	Ground	Agricultural	High Boom	Angler	2.00E-01	4.00E-01	3.00E-04	6.00E-05	2.86E+01	6.86E-04	2.50E+01	8.00E+00	3.65E+04	1.17E+04

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure

Scenario: Public Receptors - Routine Exposure

Pathway: Dermal Contact with Foliage

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Foliage	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Dislodgeable Foliar Residue (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
											Int	Long	Int	Long
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.93E+02	2.22E-02	2.50E+01	8.00E+00	1.13E+03	3.61E+02
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.93E+02	2.22E-02	2.50E+01	8.00E+00	1.13E+03	3.61E+02
Typical	Ground	Agricultural	Low Boom	Res-child	2.00E-01	4.00E-01	5.77E-05	1.15E-05	6.93E+02	3.20E-03	2.50E+01	8.00E+00	7.81E+03	2.50E+03
Typical	Ground	Agricultural	High Boom	Res-child	2.00E-01	4.00E-01	9.54E-05	1.91E-05	6.93E+02	5.29E-03	2.50E+01	8.00E+00	4.72E+03	1.51E+03
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.00E-01	1.50E-03	3.00E-04	6.93E+02	8.32E-02	2.50E+01	8.00E+00	3.00E+02	9.62E+01
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.00E-01	1.30E-03	2.60E-04	6.93E+02	7.21E-02	2.50E+01	8.00E+00	3.47E+02	1.11E+02
Max	Ground	Agricultural	Low Boom	Res-child	2.00E-01	4.00E-01	2.00E-04	4.00E-05	6.93E+02	1.11E-02	2.50E+01	8.00E+00	2.25E+03	7.21E+02
Max	Ground	Agricultural	High Boom	Res-child	2.00E-01	4.00E-01	3.00E-04	6.00E-05	6.93E+02	1.66E-02	2.50E+01	8.00E+00	1.50E+03	4.81E+02
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.14E+02	1.33E-02	2.50E+01	8.00E+00	1.89E+03	6.03E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	4.14E+02	1.33E-02	2.50E+01	8.00E+00	1.89E+03	6.03E+02
Typical	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	4.00E-01	5.77E-05	1.15E-05	4.14E+02	1.91E-03	2.50E+01	8.00E+00	1.31E+04	4.18E+03
Typical	Ground	Agricultural	High Boom	Res-adult	2.00E-01	4.00E-01	9.54E-05	1.91E-05	4.14E+02	3.16E-03	2.50E+01	8.00E+00	7.91E+03	2.53E+03
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.00E-01	1.50E-03	3.00E-04	4.14E+02	4.97E-02	2.50E+01	8.00E+00	5.03E+02	1.61E+02
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.00E-01	1.30E-03	2.60E-04	4.14E+02	4.31E-02	2.50E+01	8.00E+00	5.80E+02	1.86E+02
Max	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	4.00E-01	2.00E-04	4.00E-05	4.14E+02	6.63E-03	2.50E+01	8.00E+00	3.77E+03	1.21E+03
Max	Ground	Agricultural	High Boom	Res-adult	2.00E-01	4.00E-01	3.00E-04	6.00E-05	4.14E+02	9.94E-03	2.50E+01	8.00E+00	2.51E+03	8.05E+02
Typical	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.00E+01	1.92E-03	2.50E+01	8.00E+00	1.30E+04	4.17E+03
Typical	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.00E+01	1.92E-03	2.50E+01	8.00E+00	1.30E+04	4.17E+03
Typical	Ground	Agricultural	Low Boom	N.A.-child	2.00E-01	4.00E-01	5.77E-05	1.15E-05	6.00E+01	2.77E-04	2.50E+01	8.00E+00	9.03E+04	2.89E+04
Typical	Ground	Agricultural	High Boom	N.A.-child	2.00E-01	4.00E-01	9.54E-05	1.91E-05	6.00E+01	4.58E-04	2.50E+01	8.00E+00	5.46E+04	1.75E+04
Max	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	4.00E-01	1.50E-03	3.00E-04	6.00E+01	7.20E-03	2.50E+01	8.00E+00	3.47E+03	1.11E+03
Max	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	4.00E-01	1.30E-03	2.60E-04	6.00E+01	6.24E-03	2.50E+01	8.00E+00	4.01E+03	1.28E+03
Max	Ground	Agricultural	Low Boom	N.A.-child	2.00E-01	4.00E-01	2.00E-04	4.00E-05	6.00E+01	9.60E-04	2.50E+01	8.00E+00	2.60E+04	8.33E+03
Max	Ground	Agricultural	High Boom	N.A.-child	2.00E-01	4.00E-01	3.00E-04	6.00E-05	6.00E+01	1.44E-03	2.50E+01	8.00E+00	1.74E+04	5.56E+03
Typical	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.43E+01	2.06E-03	2.50E+01	8.00E+00	1.22E+04	3.89E+03
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	4.00E-01	4.00E-04	8.00E-05	6.43E+01	2.06E-03	2.50E+01	8.00E+00	1.22E+04	3.89E+03
Typical	Ground	Agricultural	Low Boom	N.A.-adult	2.00E-01	4.00E-01	5.77E-05	1.15E-05	6.43E+01	2.97E-04	2.50E+01	8.00E+00	8.42E+04	2.70E+04
Typical	Ground	Agricultural	High Boom	N.A.-adult	2.00E-01	4.00E-01	9.54E-05	1.91E-05	6.43E+01	4.91E-04	2.50E+01	8.00E+00	5.10E+04	1.63E+04
Max	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	4.00E-01	1.50E-03	3.00E-04	6.43E+01	7.71E-03	2.50E+01	8.00E+00	3.24E+03	1.04E+03
Max	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	4.00E-01	1.30E-03	2.60E-04	6.43E+01	6.69E-03	2.50E+01	8.00E+00	3.74E+03	1.20E+03
Max	Ground	Agricultural	Low Boom	N.A.-adult	2.00E-01	4.00E-01	2.00E-04	4.00E-05	6.43E+01	1.03E-03	2.50E+01	8.00E+00	2.43E+04	7.78E+03
Max	Ground	Agricultural	High Boom	N.A.-adult	2.00E-01	4.00E-01	3.00E-04	6.00E-05	6.43E+01	1.54E-03	2.50E+01	8.00E+00	1.62E+04	5.19E+03

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Ingestion of Berries

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Berry	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	5.77E-05	4.60E+00	5.31E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Berry - child	2.00E-01	9.54E-05	4.60E+00	8.78E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	1.50E-03	4.60E+00	1.38E-03	8.00E-02	1.73%
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	1.30E-03	4.60E+00	1.20E-03	8.00E-02	1.50%
Max	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Berry - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	8.00E-02	0.35%
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	5.77E-05	4.57E+00	5.28E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	9.54E-05	4.57E+00	8.72E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	1.50E-03	4.57E+00	1.37E-03	8.00E-02	1.71%
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	1.30E-03	4.57E+00	1.19E-03	8.00E-02	1.49%
Max	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	8.00E-02	0.34%
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Res-child	2.00E-01	5.77E-05	4.60E+00	5.31E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Res-child	2.00E-01	9.54E-05	4.60E+00	8.78E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	1.50E-03	4.60E+00	1.38E-03	8.00E-02	1.73%
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	1.30E-03	4.60E+00	1.20E-03	8.00E-02	1.50%
Max	Ground	Agricultural	Low Boom	Res-child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Res-child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	8.00E-02	0.35%
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	5.77E-05	4.57E+00	5.28E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	Res-adult	2.00E-01	9.54E-05	4.57E+00	8.72E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	1.50E-03	4.57E+00	1.37E-03	8.00E-02	1.71%
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	1.30E-03	4.57E+00	1.19E-03	8.00E-02	1.49%
Max	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	Res-adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	8.00E-02	0.34%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Ingestion of Berries

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Berry	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	N.American - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.00E-01	5.77E-05	4.60E+00	5.31E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	N.American - child	2.00E-01	9.54E-05	4.60E+00	8.78E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	N.American - child	2.00E-01	1.50E-03	4.60E+00	1.38E-03	8.00E-02	1.73%
Max	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	1.30E-03	4.60E+00	1.20E-03	8.00E-02	1.50%
Max	Ground	Agricultural	Low Boom	N.American - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	N.American - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	8.00E-02	0.35%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	8.00E-02	0.46%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.00E-01	5.77E-05	4.57E+00	5.28E-05	8.00E-02	0.07%
Typical	Ground	Agricultural	High Boom	N.American - adult	2.00E-01	9.54E-05	4.57E+00	8.72E-05	8.00E-02	0.11%
Max	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	1.50E-03	4.57E+00	1.37E-03	8.00E-02	1.71%
Max	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	1.30E-03	4.57E+00	1.19E-03	8.00E-02	1.49%
Max	Ground	Agricultural	Low Boom	N.American - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	8.00E-02	0.23%
Max	Ground	Agricultural	High Boom	N.American - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	8.00E-02	0.34%

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Margins of Exposure
 Scenario: Public Receptors - Routine Exposure
 Pathway: Dermal Contact with Water While Swimming
 Pesticide: Fluridone
 Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeability Constant (cm/hr)	Water Concentration (mg/L)	Unit Correction Factor (L/cm ³)	Exposure Factor (cm ² -hr/kg-day)	Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	3.97E-04	2.94E-03	1.00E-03	4.40E+02	5.14E-07	2.50E+01	4.87E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	3.97E-04	2.50E-03	1.00E-03	4.40E+02	4.37E-07	2.50E+01	5.72E+07
Typical	Ground	Agricultural	Low Boom	Swimmer-child	3.97E-04	2.79E-04	1.00E-03	4.40E+02	4.88E-08	2.50E+01	5.13E+08
Typical	Ground	Agricultural	High Boom	Swimmer-child	3.97E-04	4.49E-04	1.00E-03	4.40E+02	7.85E-08	2.50E+01	3.19E+08
Max	Aerial	Agricultural	Plane	Swimmer-child	3.97E-04	1.13E-02	1.00E-03	4.40E+02	1.97E-06	2.50E+01	1.27E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-child	3.97E-04	9.42E-03	1.00E-03	4.40E+02	1.65E-06	2.50E+01	1.52E+07
Max	Ground	Agricultural	Low Boom	Swimmer-child	3.97E-04	9.13E-04	1.00E-03	4.40E+02	1.60E-07	2.50E+01	1.57E+08
Max	Ground	Agricultural	High Boom	Swimmer-child	3.97E-04	1.47E-03	1.00E-03	4.40E+02	2.57E-07	2.50E+01	9.73E+07
Typical	Aerial	Agricultural	Plane	Swimmer-adult	3.97E-04	2.94E-03	1.00E-03	2.57E+02	3.00E-07	2.50E+01	8.33E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	3.97E-04	2.50E-03	1.00E-03	2.57E+02	2.55E-07	2.50E+01	9.79E+07
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	3.97E-04	2.79E-04	1.00E-03	2.57E+02	2.85E-08	2.50E+01	8.77E+08
Typical	Ground	Agricultural	High Boom	Swimmer-adult	3.97E-04	4.49E-04	1.00E-03	2.57E+02	4.59E-08	2.50E+01	5.45E+08
Max	Aerial	Agricultural	Plane	Swimmer-adult	3.97E-04	1.13E-02	1.00E-03	2.57E+02	1.15E-06	2.50E+01	2.17E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	3.97E-04	9.42E-03	1.00E-03	2.57E+02	9.62E-07	2.50E+01	2.60E+07
Max	Ground	Agricultural	Low Boom	Swimmer-adult	3.97E-04	9.13E-04	1.00E-03	2.57E+02	9.32E-08	2.50E+01	2.68E+08
Max	Ground	Agricultural	High Boom	Swimmer-adult	3.97E-04	1.47E-03	1.00E-03	2.57E+02	1.50E-07	2.50E+01	1.67E+08
Typical	Aerial	Agricultural	Plane	N.American-child	3.97E-04	2.94E-03	1.00E-03	1.14E+03	1.34E-06	2.50E+01	1.87E+07
Typical	Aerial	Agricultural	Helicopter	N.American-child	3.97E-04	2.50E-03	1.00E-03	1.14E+03	1.14E-06	2.50E+01	2.20E+07
Typical	Ground	Agricultural	Low Boom	N.American-child	3.97E-04	2.79E-04	1.00E-03	1.14E+03	1.27E-07	2.50E+01	1.97E+08
Typical	Ground	Agricultural	High Boom	N.American-child	3.97E-04	4.49E-04	1.00E-03	1.14E+03	2.04E-07	2.50E+01	1.23E+08
Max	Aerial	Agricultural	Plane	N.American-child	3.97E-04	1.13E-02	1.00E-03	1.14E+03	5.13E-06	2.50E+01	4.87E+06
Max	Aerial	Agricultural	Helicopter	N.American-child	3.97E-04	9.42E-03	1.00E-03	1.14E+03	4.28E-06	2.50E+01	5.84E+06
Max	Ground	Agricultural	Low Boom	N.American-child	3.97E-04	9.13E-04	1.00E-03	1.14E+03	4.15E-07	2.50E+01	6.03E+07
Max	Ground	Agricultural	High Boom	N.American-child	3.97E-04	1.47E-03	1.00E-03	1.14E+03	6.68E-07	2.50E+01	3.74E+07
Typical	Aerial	Agricultural	Plane	N.American-adult	3.97E-04	2.94E-03	1.00E-03	6.69E+02	7.81E-07	2.50E+01	3.20E+07
Typical	Aerial	Agricultural	Helicopter	N.American-adult	3.97E-04	2.50E-03	1.00E-03	6.69E+02	6.64E-07	2.50E+01	3.77E+07
Typical	Ground	Agricultural	Low Boom	N.American-adult	3.97E-04	2.79E-04	1.00E-03	6.69E+02	7.41E-08	2.50E+01	3.37E+08
Typical	Ground	Agricultural	High Boom	N.American-adult	3.97E-04	4.49E-04	1.00E-03	6.69E+02	1.19E-07	2.50E+01	2.10E+08
Max	Aerial	Agricultural	Plane	N.American-adult	3.97E-04	1.13E-02	1.00E-03	6.69E+02	3.00E-06	2.50E+01	8.33E+06
Max	Aerial	Agricultural	Helicopter	N.American-adult	3.97E-04	9.42E-03	1.00E-03	6.69E+02	2.50E-06	2.50E+01	9.99E+06
Max	Ground	Agricultural	Low Boom	N.American-adult	3.97E-04	9.13E-04	1.00E-03	6.69E+02	2.42E-07	2.50E+01	1.03E+08
Max	Ground	Agricultural	High Boom	N.American-adult	3.97E-04	1.47E-03	1.00E-03	6.69E+02	3.90E-07	2.50E+01	6.40E+07

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Incidental Ingestion of Water while Swimming

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Incidental Ingestion		
							Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	2.94E-03	3.33E-03	9.80E-06	2.50E+01	2.55E+06
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	2.50E-03	3.33E-03	8.33E-06	2.50E+01	3.00E+06
Typical	Ground	Agricultural	Low Boom	Swimmer-child	2.79E-04	3.33E-03	9.30E-07	2.50E+01	2.69E+07
Typical	Ground	Agricultural	High Boom	Swimmer-child	4.49E-04	3.33E-03	1.50E-06	2.50E+01	1.67E+07
Max	Aerial	Agricultural	Plane	Swimmer-child	1.13E-02	3.33E-03	3.77E-05	2.50E+01	6.64E+05
Max	Aerial	Agricultural	Helicopter	Swimmer-child	9.42E-03	3.33E-03	3.14E-05	2.50E+01	7.96E+05
Max	Ground	Agricultural	Low Boom	Swimmer-child	9.13E-04	3.33E-03	3.04E-06	2.50E+01	8.21E+06
Max	Ground	Agricultural	High Boom	Swimmer-child	1.47E-03	3.33E-03	4.90E-06	2.50E+01	5.10E+06
Typical	Aerial	Agricultural	Plane	Swimmer-adult	2.94E-03	7.14E-04	2.10E-06	2.50E+01	1.19E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	2.50E-03	7.14E-04	1.79E-06	2.50E+01	1.40E+07
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	2.79E-04	7.14E-04	1.99E-07	2.50E+01	1.25E+08
Typical	Ground	Agricultural	High Boom	Swimmer-adult	4.49E-04	7.14E-04	3.21E-07	2.50E+01	7.80E+07
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.13E-02	7.14E-04	8.07E-06	2.50E+01	3.10E+06
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	9.42E-03	7.14E-04	6.73E-06	2.50E+01	3.72E+06
Max	Ground	Agricultural	Low Boom	Swimmer-adult	9.13E-04	7.14E-04	6.52E-07	2.50E+01	3.83E+07
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.47E-03	7.14E-04	1.05E-06	2.50E+01	2.38E+07

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Drinking Water Ingestion

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water	
								PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	2.94E-03	2.86E-02	8.40E-05	8.00E-02	0.11%
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.50E-03	2.86E-02	7.14E-05	8.00E-02	0.09%
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	2.79E-04	2.86E-02	7.97E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	4.49E-04	2.86E-02	1.28E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.13E-02	2.86E-02	3.23E-04	8.00E-02	0.40%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	9.42E-03	2.86E-02	2.69E-04	8.00E-02	0.34%
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	9.13E-04	2.86E-02	2.61E-05	8.00E-02	0.03%
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.47E-03	2.86E-02	4.20E-05	8.00E-02	0.05%
Typical	Aerial	Agricultural	Plane	Berry - child	2.94E-03	6.67E-02	1.96E-04	8.00E-02	0.25%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.50E-03	6.67E-02	1.67E-04	8.00E-02	0.21%
Typical	Ground	Agricultural	Low Boom	Berry - child	2.79E-04	6.67E-02	1.86E-05	8.00E-02	0.02%
Typical	Ground	Agricultural	High Boom	Berry - child	4.49E-04	6.67E-02	2.99E-05	8.00E-02	0.04%
Max	Aerial	Agricultural	Plane	Berry - child	1.13E-02	6.67E-02	7.53E-04	8.00E-02	0.94%
Max	Aerial	Agricultural	Helicopter	Berry - child	9.42E-03	6.67E-02	6.28E-04	8.00E-02	0.79%
Max	Ground	Agricultural	Low Boom	Berry - child	9.13E-04	6.67E-02	6.09E-05	8.00E-02	0.08%
Max	Ground	Agricultural	High Boom	Berry - child	1.47E-03	6.67E-02	9.80E-05	8.00E-02	0.12%
Typical	Aerial	Agricultural	Plane	Berry - adult	2.94E-03	2.86E-02	8.40E-05	8.00E-02	0.11%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.50E-03	2.86E-02	7.14E-05	8.00E-02	0.09%
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.79E-04	2.86E-02	7.97E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	Berry - adult	4.49E-04	2.86E-02	1.28E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	Berry - adult	1.13E-02	2.86E-02	3.23E-04	8.00E-02	0.40%
Max	Aerial	Agricultural	Helicopter	Berry - adult	9.42E-03	2.86E-02	2.69E-04	8.00E-02	0.34%
Max	Ground	Agricultural	Low Boom	Berry - adult	9.13E-04	2.86E-02	2.61E-05	8.00E-02	0.03%
Max	Ground	Agricultural	High Boom	Berry - adult	1.47E-03	2.86E-02	4.20E-05	8.00E-02	0.05%
Typical	Aerial	Agricultural	Plane	Angler	2.94E-03	2.86E-02	8.40E-05	8.00E-02	0.11%
Typical	Aerial	Agricultural	Helicopter	Angler	2.50E-03	2.86E-02	7.14E-05	8.00E-02	0.09%
Typical	Ground	Agricultural	Low Boom	Angler	2.79E-04	2.86E-02	7.97E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	Angler	4.49E-04	2.86E-02	1.28E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	Angler	1.13E-02	2.86E-02	3.23E-04	8.00E-02	0.40%
Max	Aerial	Agricultural	Helicopter	Angler	9.42E-03	2.86E-02	2.69E-04	8.00E-02	0.34%
Max	Ground	Agricultural	Low Boom	Angler	9.13E-04	2.86E-02	2.61E-05	8.00E-02	0.03%
Max	Ground	Agricultural	High Boom	Angler	1.47E-03	2.86E-02	4.20E-05	8.00E-02	0.05%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Drinking Water Ingestion

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water	
								PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	N.American - child	2.94E-03	3.33E-02	9.80E-05	8.00E-02	0.12%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.50E-03	3.33E-02	8.33E-05	8.00E-02	0.10%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.79E-04	3.33E-02	9.30E-06	8.00E-02	0.01%
Typical	Ground	Agricultural	High Boom	N.American - child	4.49E-04	3.33E-02	1.50E-05	8.00E-02	0.02%
Max	Aerial	Agricultural	Plane	N.American - child	1.13E-02	3.33E-02	3.77E-04	8.00E-02	0.47%
Max	Aerial	Agricultural	Helicopter	N.American - child	9.42E-03	3.33E-02	3.14E-04	8.00E-02	0.39%
Max	Ground	Agricultural	Low Boom	N.American - child	9.13E-04	3.33E-02	3.04E-05	8.00E-02	0.04%
Max	Ground	Agricultural	High Boom	N.American - child	1.47E-03	3.33E-02	4.90E-05	8.00E-02	0.06%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.94E-03	1.43E-02	4.20E-05	8.00E-02	0.05%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.50E-03	1.43E-02	3.57E-05	8.00E-02	0.04%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.79E-04	1.43E-02	3.99E-06	8.00E-02	0.00%
Typical	Ground	Agricultural	High Boom	N.American - adult	4.49E-04	1.43E-02	6.41E-06	8.00E-02	0.01%
Max	Aerial	Agricultural	Plane	N.American - adult	1.13E-02	1.43E-02	1.61E-04	8.00E-02	0.20%
Max	Aerial	Agricultural	Helicopter	N.American - adult	9.42E-03	1.43E-02	1.35E-04	8.00E-02	0.17%
Max	Ground	Agricultural	Low Boom	N.American - adult	9.13E-04	1.43E-02	1.30E-05	8.00E-02	0.02%
Max	Ground	Agricultural	High Boom	N.American - adult	1.47E-03	1.43E-02	2.10E-05	8.00E-02	0.03%

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses

Scenario: Public Receptors - Routine Exposure

Pathway: Ingestion of Fish

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Bioconcentration Factor (L/kg)	Unit Correction Factor (kg/mg)	Exposure Factor (mg/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Angler	2.94E-03	3.01E+00	1.00E-06	9.00E+02	7.96E-06	8.00E-02	0.0100%
Typical	Aerial	Agricultural	Helicopter	Angler	2.50E-03	3.01E+00	1.00E-06	9.00E+02	6.77E-06	8.00E-02	0.0085%
Typical	Ground	Agricultural	Low Boom	Angler	2.79E-04	3.01E+00	1.00E-06	9.00E+02	7.56E-07	8.00E-02	0.0009%
Typical	Ground	Agricultural	High Boom	Angler	4.49E-04	3.01E+00	1.00E-06	9.00E+02	1.22E-06	8.00E-02	0.0015%
Max	Aerial	Agricultural	Plane	Angler	1.13E-02	3.01E+00	1.00E-06	9.00E+02	3.06E-05	8.00E-02	0.0383%
Max	Aerial	Agricultural	Helicopter	Angler	9.42E-03	3.01E+00	1.00E-06	9.00E+02	2.55E-05	8.00E-02	0.0319%
Max	Ground	Agricultural	Low Boom	Angler	9.13E-04	3.01E+00	1.00E-06	9.00E+02	2.47E-06	8.00E-02	0.0031%
Max	Ground	Agricultural	High Boom	Angler	1.47E-03	3.01E+00	1.00E-06	9.00E+02	3.98E-06	8.00E-02	0.0050%
Typical	Aerial	Agricultural	Plane	N.American - child	2.94E-03	3.01E+00	1.00E-06	1.27E+04	1.12E-04	8.00E-02	0.1401%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.50E-03	3.01E+00	1.00E-06	1.27E+04	9.53E-05	8.00E-02	0.1191%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.79E-04	3.01E+00	1.00E-06	1.27E+04	1.06E-05	8.00E-02	0.0133%
Typical	Ground	Agricultural	High Boom	N.American - child	4.49E-04	3.01E+00	1.00E-06	1.27E+04	1.71E-05	8.00E-02	0.0214%
Max	Aerial	Agricultural	Plane	N.American - child	1.13E-02	3.01E+00	1.00E-06	1.27E+04	4.31E-04	8.00E-02	0.5385%
Max	Aerial	Agricultural	Helicopter	N.American - child	9.42E-03	3.01E+00	1.00E-06	1.27E+04	3.59E-04	8.00E-02	0.4489%
Max	Ground	Agricultural	Low Boom	N.American - child	9.13E-04	3.01E+00	1.00E-06	1.27E+04	3.48E-05	8.00E-02	0.0435%
Max	Ground	Agricultural	High Boom	N.American - child	1.47E-03	3.01E+00	1.00E-06	1.27E+04	5.60E-05	8.00E-02	0.0701%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.94E-03	3.01E+00	1.00E-06	1.26E+04	1.12E-04	8.00E-02	0.1399%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.50E-03	3.01E+00	1.00E-06	1.26E+04	9.51E-05	8.00E-02	0.1189%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.79E-04	3.01E+00	1.00E-06	1.26E+04	1.06E-05	8.00E-02	0.0133%
Typical	Ground	Agricultural	High Boom	N.American - adult	4.49E-04	3.01E+00	1.00E-06	1.26E+04	1.71E-05	8.00E-02	0.0214%
Max	Aerial	Agricultural	Plane	N.American - adult	1.13E-02	3.01E+00	1.00E-06	1.26E+04	4.30E-04	8.00E-02	0.5375%
Max	Aerial	Agricultural	Helicopter	N.American - adult	9.42E-03	3.01E+00	1.00E-06	1.26E+04	3.58E-04	8.00E-02	0.4481%
Max	Ground	Agricultural	Low Boom	N.American - adult	9.13E-04	3.01E+00	1.00E-06	1.26E+04	3.47E-05	8.00E-02	0.0434%
Max	Ground	Agricultural	High Boom	N.American - adult	1.47E-03	3.01E+00	1.00E-06	1.26E+04	5.59E-05	8.00E-02	0.0699%

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Intermediate Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion Short/Int Term Oral Water MOE	Exposure Pathways		
					Intermediate-Term Dermal			Short/Int Term Oral Water MOE		Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	2.43E+03	2.73E+04	--	--	0.11%	--	--
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	2.43E+03	2.73E+04	--	--	0.09%	--	--
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	1.68E+04	1.90E+05	--	--	0.01%	--	--
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	1.02E+04	1.15E+05	--	--	0.02%	--	--
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	6.48E+02	7.29E+03	--	--	0.40%	--	--
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	7.47E+02	8.41E+03	--	--	0.34%	--	--
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	4.86E+03	5.47E+04	--	--	0.03%	--	--
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	3.24E+03	3.65E+04	--	--	0.05%	--	--
Typical	Aerial	Agricultural	Plane	Berry - child	1.00E+02	1.46E+03	1.95E+04	--	--	0.25%	0.46%	--
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	1.46E+03	1.95E+04	--	--	0.21%	0.46%	--
Typical	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	1.01E+04	1.35E+05	--	--	0.02%	0.07%	--
Typical	Ground	Agricultural	High Boom	Berry - child	1.00E+02	6.12E+03	8.19E+04	--	--	0.04%	0.11%	--
Max	Aerial	Agricultural	Plane	Berry - child	1.00E+02	3.89E+02	5.21E+03	--	--	0.94%	1.73%	--
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	4.49E+02	6.01E+03	--	--	0.79%	1.50%	--
Max	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	2.92E+03	3.91E+04	--	--	0.08%	0.23%	--
Max	Ground	Agricultural	High Boom	Berry - child	1.00E+02	1.94E+03	2.60E+04	--	--	0.12%	0.35%	--
Typical	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	2.43E+03	1.82E+04	--	--	0.11%	0.46%	--
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	2.43E+03	1.82E+04	--	--	0.09%	0.46%	--
Typical	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	1.68E+04	1.26E+05	--	--	0.01%	0.07%	--
Typical	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	1.02E+04	7.64E+04	--	--	0.02%	0.11%	--
Max	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	6.48E+02	4.86E+03	--	--	0.40%	1.71%	--
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	7.47E+02	5.61E+03	--	--	0.34%	1.49%	--
Max	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	4.86E+03	3.65E+04	--	--	0.03%	0.23%	--
Max	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	3.24E+03	2.43E+04	--	--	0.05%	0.34%	--
Typical	Aerial	Agricultural	Plane	Angler	1.00E+02	2.43E+03	2.73E+04	--	--	0.11%	--	0.0100%
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	2.43E+03	2.73E+04	--	--	0.09%	--	0.0085%
Typical	Ground	Agricultural	Low Boom	Angler	1.00E+02	1.68E+04	1.90E+05	--	--	0.01%	--	0.0009%
Typical	Ground	Agricultural	High Boom	Angler	1.00E+02	1.02E+04	1.15E+05	--	--	0.02%	--	0.0015%
Max	Aerial	Agricultural	Plane	Angler	1.00E+02	6.48E+02	7.29E+03	--	--	0.40%	--	0.0383%
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	7.47E+02	8.41E+03	--	--	0.34%	--	0.0319%
Max	Ground	Agricultural	Low Boom	Angler	1.00E+02	4.86E+03	5.47E+04	--	--	0.03%	--	0.0031%
Max	Ground	Agricultural	High Boom	Angler	1.00E+02	3.24E+03	3.65E+04	--	--	0.05%	--	0.0050%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Intermediate Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion	Exposure Pathways		
					Intermediate-Term Dermal			Short/Int Term Oral	Short/Int Term Oral	Chronic Water	Chronic Berries	Chronic Fish
					Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	%PAD	%PAD	%PAD
Typical	Aerial	Agricultural	Plane	Res-child	1.00E+02	1.46E+03	1.13E+03	--	--	--	0.46%	--
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	1.46E+03	1.13E+03	--	--	--	0.46%	--
Typical	Ground	Agricultural	Low Boom	Res-child	1.00E+02	1.01E+04	7.81E+03	--	--	--	0.07%	--
Typical	Ground	Agricultural	High Boom	Res-child	1.00E+02	6.12E+03	4.72E+03	--	--	--	0.11%	--
Max	Aerial	Agricultural	Plane	Res-child	1.00E+02	3.89E+02	3.00E+02	--	--	--	1.73%	--
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	4.49E+02	3.47E+02	--	--	--	1.50%	--
Max	Ground	Agricultural	Low Boom	Res-child	1.00E+02	2.92E+03	2.25E+03	--	--	--	0.23%	--
Max	Ground	Agricultural	High Boom	Res-child	1.00E+02	1.94E+03	1.50E+03	--	--	--	0.35%	--
Typical	Aerial	Agricultural	Plane	Res-adult	1.00E+02	2.43E+03	1.89E+03	--	--	--	0.46%	--
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	2.43E+03	1.89E+03	--	--	--	0.46%	--
Typical	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	1.68E+04	1.31E+04	--	--	--	0.07%	--
Typical	Ground	Agricultural	High Boom	Res-adult	1.00E+02	1.02E+04	7.91E+03	--	--	--	0.11%	--
Max	Aerial	Agricultural	Plane	Res-adult	1.00E+02	6.48E+02	5.03E+02	--	--	--	1.71%	--
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	7.47E+02	5.80E+02	--	--	--	1.49%	--
Max	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	4.86E+03	3.77E+03	--	--	--	0.23%	--
Max	Ground	Agricultural	High Boom	Res-adult	1.00E+02	3.24E+03	2.51E+03	--	--	--	0.34%	--
Typical	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	1.46E+03	1.30E+04	1.87E+07	--	0.12%	0.46%	0.1401%
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	1.46E+03	1.30E+04	2.20E+07	--	0.10%	0.46%	0.1191%
Typical	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	1.01E+04	9.03E+04	1.97E+08	--	0.01%	0.07%	0.0133%
Typical	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	6.12E+03	5.46E+04	1.23E+08	--	0.02%	0.11%	0.0214%
Max	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	3.89E+02	3.47E+03	4.87E+06	--	0.47%	1.73%	0.5385%
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	4.49E+02	4.01E+03	5.84E+06	--	0.39%	1.50%	0.4489%
Max	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	2.92E+03	2.60E+04	6.03E+07	--	0.04%	0.23%	0.0435%
Max	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	1.94E+03	1.74E+04	3.74E+07	--	0.06%	0.35%	0.0701%
Typical	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	2.43E+03	1.22E+04	3.20E+07	--	0.05%	0.46%	0.1399%
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	2.43E+03	1.22E+04	3.77E+07	--	0.04%	0.46%	0.1189%
Typical	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	1.68E+04	8.42E+04	3.37E+08	--	0.00%	0.07%	0.0133%
Typical	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	1.02E+04	5.10E+04	2.10E+08	--	0.01%	0.11%	0.0214%
Max	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	6.48E+02	3.24E+03	8.33E+06	--	0.20%	1.71%	0.5375%
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	7.47E+02	3.74E+03	9.99E+06	--	0.17%	1.49%	0.4481%
Max	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	4.86E+03	2.43E+04	1.03E+08	--	0.02%	0.23%	0.0434%
Max	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	3.24E+03	1.62E+04	6.40E+07	--	0.03%	0.34%	0.0699%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Intermediate Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways			Incidental Ingestion		Exposure Pathways		
					Intermediate-Term Dermal			Short/Int Term Oral	Short/Int Term Oral	Chronic Water	Chronic Berries	Chronic Fish
					Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	%PAD	%PAD	%PAD
Typical	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	4.87E+07	2.55E+06	--	--	--
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	5.72E+07	3.00E+06	--	--	--
Typical	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	5.13E+08	2.69E+07	--	--	--
Typical	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	3.19E+08	1.67E+07	--	--	--
Max	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	1.27E+07	6.64E+05	--	--	--
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	1.52E+07	7.96E+05	--	--	--
Max	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	1.57E+08	8.21E+06	--	--	--
Max	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	9.73E+07	5.10E+06	--	--	--
Typical	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	8.33E+07	1.19E+07	--	--	--
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	9.79E+07	1.40E+07	--	--	--
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	8.77E+08	1.25E+08	--	--	--
Typical	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	5.45E+08	7.80E+07	--	--	--
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	2.17E+07	3.10E+06	--	--	--
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	2.60E+07	3.72E+06	--	--	--
Max	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	2.68E+08	3.83E+07	--	--	--
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	1.67E+08	2.38E+07	--	--	--

--Receptor not exposed via this pathway.

NA - Not Available.

NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Long Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion	Exposure Pathways			Long-Term Aggregate Risk Index
					Long-Term Dermal			Short/Int Term Oral	Short/Int Term Oral	Chronic Water	Chronic Berries	Chronic Fish	
					Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	%PAD	%PAD	%PAD	
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	7.77E+02	8.75E+03	--	--	0.11%	--	--	7.08E+00
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	7.77E+02	8.75E+03	--	--	0.09%	--	--	7.09E+00
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	5.39E+03	6.07E+04	--	--	0.01%	--	--	4.92E+01
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	3.26E+03	3.67E+04	--	--	0.02%	--	--	2.98E+01
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	2.07E+02	2.33E+03	--	--	0.40%	--	--	1.89E+00
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	2.39E+02	2.69E+03	--	--	0.34%	--	--	2.18E+00
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	1.55E+03	1.75E+04	--	--	0.03%	--	--	1.42E+01
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	1.04E+03	1.17E+04	--	--	0.05%	--	--	9.47E+00
Typical	Aerial	Agricultural	Plane	Berry - child	1.00E+02	4.67E+02	6.25E+03	--	--	0.25%	0.46%	--	4.21E+00
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	4.67E+02	6.25E+03	--	--	0.21%	0.46%	--	4.22E+00
Typical	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	3.24E+03	4.33E+04	--	--	0.02%	0.07%	--	2.93E+01
Typical	Ground	Agricultural	High Boom	Berry - child	1.00E+02	1.96E+03	2.62E+04	--	--	0.04%	0.11%	--	1.77E+01
Max	Aerial	Agricultural	Plane	Berry - child	1.00E+02	1.24E+02	1.67E+03	--	--	0.94%	1.73%	--	1.12E+00
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	1.44E+02	1.92E+03	--	--	0.79%	1.50%	--	1.30E+00
Max	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	9.33E+02	1.25E+04	--	--	0.08%	0.23%	--	8.46E+00
Max	Ground	Agricultural	High Boom	Berry - child	1.00E+02	6.22E+02	8.33E+03	--	--	0.12%	0.35%	--	5.64E+00
Typical	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	7.77E+02	5.83E+03	--	--	0.11%	0.46%	--	6.60E+00
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	7.77E+02	5.83E+03	--	--	0.09%	0.46%	--	6.61E+00
Typical	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	5.39E+03	4.04E+04	--	--	0.01%	0.07%	--	4.59E+01
Typical	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	3.26E+03	2.45E+04	--	--	0.02%	0.11%	--	2.78E+01
Max	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	2.07E+02	1.56E+03	--	--	0.40%	1.71%	--	1.76E+00
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	2.39E+02	1.79E+03	--	--	0.34%	1.49%	--	2.03E+00
Max	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	1.55E+03	1.17E+04	--	--	0.03%	0.23%	--	1.32E+01
Max	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	1.04E+03	7.78E+03	--	--	0.05%	0.34%	--	8.83E+00
Typical	Aerial	Agricultural	Plane	Angler	1.00E+02	7.77E+02	8.75E+03	--	--	0.11%	--	0.0100%	7.08E+00
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	7.77E+02	8.75E+03	--	--	0.09%	--	0.0085%	7.09E+00
Typical	Ground	Agricultural	Low Boom	Angler	1.00E+02	5.39E+03	6.07E+04	--	--	0.01%	--	0.0009%	4.92E+01
Typical	Ground	Agricultural	High Boom	Angler	1.00E+02	3.26E+03	3.67E+04	--	--	0.02%	--	0.0015%	2.98E+01
Max	Aerial	Agricultural	Plane	Angler	1.00E+02	2.07E+02	2.33E+03	--	--	0.40%	--	0.0383%	1.89E+00
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	2.39E+02	2.69E+03	--	--	0.34%	--	0.0319%	2.18E+00
Max	Ground	Agricultural	Low Boom	Angler	1.00E+02	1.55E+03	1.75E+04	--	--	0.03%	--	0.0031%	1.42E+01
Max	Ground	Agricultural	High Boom	Angler	1.00E+02	1.04E+03	1.17E+04	--	--	0.05%	--	0.0050%	9.47E+00

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Long Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways				Incidental Ingestion Short/Int Term Oral MOE	Exposure Pathways			Long-Term Aggregate Risk Index
					Target MOE	Drift MOE	Foliage MOE	Short/Int Term Oral MOE		Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Res-child	1.00E+02	4.67E+02	3.61E+02	--	--	--	0.46%	--	2.02E+00
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	4.67E+02	3.61E+02	--	--	--	0.46%	--	2.02E+00
Typical	Ground	Agricultural	Low Boom	Res-child	1.00E+02	3.24E+03	2.50E+03	--	--	--	0.07%	--	1.40E+01
Typical	Ground	Agricultural	High Boom	Res-child	1.00E+02	1.96E+03	1.51E+03	--	--	--	0.11%	--	8.45E+00
Max	Aerial	Agricultural	Plane	Res-child	1.00E+02	1.24E+02	9.62E+01	--	--	--	1.73%	--	5.37E-01
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	1.44E+02	1.11E+02	--	--	--	1.50%	--	6.20E-01
Max	Ground	Agricultural	Low Boom	Res-child	1.00E+02	9.33E+02	7.21E+02	--	--	--	0.23%	--	4.03E+00
Max	Ground	Agricultural	High Boom	Res-child	1.00E+02	6.22E+02	4.81E+02	--	--	--	0.35%	--	2.69E+00
Typical	Aerial	Agricultural	Plane	Res-adult	1.00E+02	7.77E+02	6.03E+02	--	--	--	0.46%	--	3.34E+00
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	7.77E+02	6.03E+02	--	--	--	0.46%	--	3.34E+00
Typical	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	5.39E+03	4.18E+03	--	--	--	0.07%	--	2.32E+01
Typical	Ground	Agricultural	High Boom	Res-adult	1.00E+02	3.26E+03	2.53E+03	--	--	--	0.11%	--	1.40E+01
Max	Aerial	Agricultural	Plane	Res-adult	1.00E+02	2.07E+02	1.61E+02	--	--	--	1.71%	--	8.92E-01
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	2.39E+02	1.86E+02	--	--	--	1.49%	--	1.03E+00
Max	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	1.55E+03	1.21E+03	--	--	--	0.23%	--	6.69E+00
Max	Ground	Agricultural	High Boom	Res-adult	1.00E+02	1.04E+03	8.05E+02	--	--	--	0.34%	--	4.46E+00
Typical	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	4.67E+02	4.17E+03	1.87E+07	--	0.12%	0.46%	0.1401%	4.07E+00
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	4.67E+02	4.17E+03	2.20E+07	--	0.10%	0.46%	0.1191%	4.08E+00
Typical	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	3.24E+03	2.89E+04	1.97E+08	--	0.01%	0.07%	0.0133%	2.83E+01
Typical	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	1.96E+03	1.75E+04	1.23E+08	--	0.02%	0.11%	0.0214%	1.71E+01
Max	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	1.24E+02	1.11E+03	4.87E+06	--	0.47%	1.73%	0.5385%	1.09E+00
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	1.44E+02	1.28E+03	5.84E+06	--	0.39%	1.50%	0.4489%	1.25E+00
Max	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	9.33E+02	8.33E+03	6.03E+07	--	0.04%	0.23%	0.0435%	8.18E+00
Max	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	6.22E+02	5.56E+03	3.74E+07	--	0.06%	0.35%	0.0701%	5.45E+00
Typical	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	7.77E+02	3.89E+03	3.20E+07	--	0.05%	0.46%	0.1399%	6.22E+00
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	7.77E+02	3.89E+03	3.77E+07	--	0.04%	0.46%	0.1189%	6.23E+00
Typical	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	5.39E+03	2.70E+04	3.37E+08	--	0.00%	0.07%	0.0133%	4.33E+01
Typical	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	3.26E+03	1.63E+04	2.10E+08	--	0.01%	0.11%	0.0214%	2.62E+01
Max	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	2.07E+02	1.04E+03	8.33E+06	--	0.20%	1.71%	0.5375%	1.66E+00
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	2.39E+02	1.20E+03	9.99E+06	--	0.17%	1.49%	0.4481%	1.91E+00
Max	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	1.55E+03	7.78E+03	1.03E+08	--	0.02%	0.23%	0.0434%	1.25E+01
Max	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	1.04E+03	5.19E+03	6.40E+07	--	0.03%	0.34%	0.0699%	8.32E+00

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Aggregate Risk Index - Long Term Exposure Scenario

Scenario: Public Receptors - Routine Exposure

Pesticide: Fluridone

Program: Aquatic Sites

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Exposure Pathways			Short/Int Term Oral	Incidental Ingestion Short/Int Term Oral	Exposure Pathways			Long-Term Aggregate Risk Index
					Target MOE	Drift MOE	Foliage MOE			Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	
Typical	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	4.87E+07	2.55E+06	--	--	--	2.42E+04
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	5.72E+07	3.00E+06	--	--	--	2.85E+04
Typical	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	5.13E+08	2.69E+07	--	--	--	2.55E+05
Typical	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	3.19E+08	1.67E+07	--	--	--	1.59E+05
Max	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	1.27E+07	6.64E+05	--	--	--	6.31E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	1.52E+07	7.96E+05	--	--	--	7.57E+03
Max	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	1.57E+08	8.21E+06	--	--	--	7.81E+04
Max	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	9.73E+07	5.10E+06	--	--	--	4.85E+04
Typical	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	8.33E+07	1.19E+07	--	--	--	1.04E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	9.79E+07	1.40E+07	--	--	--	1.22E+05
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	8.77E+08	1.25E+08	--	--	--	1.10E+06
Typical	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	5.45E+08	7.80E+07	--	--	--	6.82E+05
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	2.17E+07	3.10E+06	--	--	--	2.71E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	2.60E+07	3.72E+06	--	--	--	3.25E+04
Max	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	2.68E+08	3.83E+07	--	--	--	3.35E+05
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	1.67E+08	2.38E+07	--	--	--	2.08E+05

--Receptor not exposed via this pathway.

NA - Not Available.

NC - Not Calculated (No dose-response value).

(e) - Application rates are shown on Table 4-1 and are the same for each program.