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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	5.00E-01	2.34E-05	6.43E+01	7.53E-04	NA	1.37E+02	NC	1.82E+05
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	5.00E-01	2.02E-05	6.43E+01	6.50E-04	NA	1.37E+02	NC	2.11E+05
Typical	Aerial	Forestry	Plane	Hiker/Hunter	5.00E-01	9.49E-05	6.43E+01	3.05E-03	NA	1.37E+02	NC	4.49E+04
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	5.00E-01	6.44E-05	6.43E+01	2.07E-03	NA	1.37E+02	NC	6.61E+04
Typical	Ground	Both	Low Boom	Hiker/Hunter	5.00E-01	4.41E-06	6.43E+01	1.42E-04	NA	1.37E+02	NC	9.66E+05
Typical	Ground	Both	High Boom	Hiker/Hunter	5.00E-01	7.28E-06	6.43E+01	2.34E-04	NA	1.37E+02	NC	5.85E+05
Max	Aerial	Agricultural	Plane	Hiker/Hunter	5.00E-01	2.00E-04	6.43E+01	6.43E-03	NA	1.37E+02	NC	2.13E+04
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	5.00E-01	1.00E-04	6.43E+01	3.22E-03	NA	1.37E+02	NC	4.26E+04
Max	Aerial	Forestry	Plane	Hiker/Hunter	5.00E-01	6.00E-04	6.43E+01	1.93E-02	NA	1.37E+02	NC	7.10E+03
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	5.00E-01	4.00E-04	6.43E+01	1.29E-02	NA	1.37E+02	NC	1.06E+04
Max	Ground	Both	Low Boom	Hiker/Hunter	5.00E-01	2.64E-05	6.43E+01	8.49E-04	NA	1.37E+02	NC	1.61E+05
Max	Ground	Both	High Boom	Hiker/Hunter	5.00E-01	4.36E-05	6.43E+01	1.40E-03	NA	1.37E+02	NC	9.77E+04
Typical	Aerial	Agricultural	Plane	Berry - child	5.00E-01	2.34E-05	1.07E+02	1.25E-03	NA	1.37E+02	NC	1.09E+05
Typical	Aerial	Agricultural	Helicopter	Berry - child	5.00E-01	2.02E-05	1.07E+02	1.08E-03	NA	1.37E+02	NC	1.27E+05
Typical	Aerial	Forestry	Plane	Berry - child	5.00E-01	9.49E-05	1.07E+02	5.08E-03	NA	1.37E+02	NC	2.70E+04
Typical	Aerial	Forestry	Helicopter	Berry - child	5.00E-01	6.44E-05	1.07E+02	3.45E-03	NA	1.37E+02	NC	3.97E+04
Typical	Ground	Both	Low Boom	Berry - child	5.00E-01	4.41E-06	1.07E+02	2.36E-04	NA	1.37E+02	NC	5.80E+05
Typical	Ground	Both	High Boom	Berry - child	5.00E-01	7.28E-06	1.07E+02	3.90E-04	NA	1.37E+02	NC	3.51E+05
Max	Aerial	Agricultural	Plane	Berry - child	5.00E-01	2.00E-04	1.07E+02	1.07E-02	NA	1.37E+02	NC	1.28E+04
Max	Aerial	Agricultural	Helicopter	Berry - child	5.00E-01	1.00E-04	1.07E+02	5.36E-03	NA	1.37E+02	NC	2.56E+04
Max	Aerial	Forestry	Plane	Berry - child	5.00E-01	6.00E-04	1.07E+02	3.21E-02	NA	1.37E+02	NC	4.26E+03
Max	Aerial	Forestry	Helicopter	Berry - child	5.00E-01	4.00E-04	1.07E+02	2.14E-02	NA	1.37E+02	NC	6.39E+03
Max	Ground	Both	Low Boom	Berry - child	5.00E-01	2.64E-05	1.07E+02	1.41E-03	NA	1.37E+02	NC	9.69E+04
Max	Ground	Both	High Boom	Berry - child	5.00E-01	4.36E-05	1.07E+02	2.34E-03	NA	1.37E+02	NC	5.87E+04
Typical	Aerial	Agricultural	Plane	Berry - adult	5.00E-01	2.34E-05	6.43E+01	7.53E-04	NA	1.37E+02	NC	1.82E+05
Typical	Aerial	Agricultural	Helicopter	Berry - adult	5.00E-01	2.02E-05	6.43E+01	6.50E-04	NA	1.37E+02	NC	2.11E+05
Typical	Aerial	Forestry	Plane	Berry - adult	5.00E-01	9.49E-05	6.43E+01	3.05E-03	NA	1.37E+02	NC	4.49E+04
Typical	Aerial	Forestry	Helicopter	Berry - adult	5.00E-01	6.44E-05	6.43E+01	2.07E-03	NA	1.37E+02	NC	6.61E+04
Typical	Ground	Both	Low Boom	Berry - adult	5.00E-01	4.41E-06	6.43E+01	1.42E-04	NA	1.37E+02	NC	9.66E+05
Typical	Ground	Both	High Boom	Berry - adult	5.00E-01	7.28E-06	6.43E+01	2.34E-04	NA	1.37E+02	NC	5.85E+05
Max	Aerial	Agricultural	Plane	Berry - adult	5.00E-01	2.00E-04	6.43E+01	6.43E-03	NA	1.37E+02	NC	2.13E+04
Max	Aerial	Agricultural	Helicopter	Berry - adult	5.00E-01	1.00E-04	6.43E+01	3.22E-03	NA	1.37E+02	NC	4.26E+04
Max	Aerial	Forestry	Plane	Berry - adult	5.00E-01	6.00E-04	6.43E+01	1.93E-02	NA	1.37E+02	NC	7.10E+03
Max	Aerial	Forestry	Helicopter	Berry - adult	5.00E-01	4.00E-04	6.43E+01	1.29E-02	NA	1.37E+02	NC	1.06E+04
Max	Ground	Both	Low Boom	Berry - adult	5.00E-01	2.64E-05	6.43E+01	8.49E-04	NA	1.37E+02	NC	1.61E+05
Max	Ground	Both	High Boom	Berry - adult	5.00E-01	4.36E-05	6.43E+01	1.40E-03	NA	1.37E+02	NC	9.77E+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 Spray Drift
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	Angler	5.00E-01	2.34E-05	6.43E+01	7.53E-04	NA	1.37E+02	NC	1.82E+05
Typical	Aerial	Agricultural	Helicopter	Angler	5.00E-01	2.02E-05	6.43E+01	6.50E-04	NA	1.37E+02	NC	2.11E+05
Typical	Aerial	Forestry	Plane	Angler	5.00E-01	9.49E-05	6.43E+01	3.05E-03	NA	1.37E+02	NC	4.49E+04
Typical	Aerial	Forestry	Helicopter	Angler	5.00E-01	6.44E-05	6.43E+01	2.07E-03	NA	1.37E+02	NC	6.61E+04
Typical	Ground	Both	Low Boom	Angler	5.00E-01	4.41E-06	6.43E+01	1.42E-04	NA	1.37E+02	NC	9.66E+05
Typical	Ground	Both	High Boom	Angler	5.00E-01	7.28E-06	6.43E+01	2.34E-04	NA	1.37E+02	NC	5.85E+05
Max	Aerial	Agricultural	Plane	Angler	5.00E-01	2.00E-04	6.43E+01	6.43E-03	NA	1.37E+02	NC	2.13E+04
Max	Aerial	Agricultural	Helicopter	Angler	5.00E-01	1.00E-04	6.43E+01	3.22E-03	NA	1.37E+02	NC	4.26E+04
Max	Aerial	Forestry	Plane	Angler	5.00E-01	6.00E-04	6.43E+01	1.93E-02	NA	1.37E+02	NC	7.10E+03
Max	Aerial	Forestry	Helicopter	Angler	5.00E-01	4.00E-04	6.43E+01	1.29E-02	NA	1.37E+02	NC	1.06E+04
Max	Ground	Both	Low Boom	Angler	5.00E-01	2.64E-05	6.43E+01	8.49E-04	NA	1.37E+02	NC	1.61E+05
Max	Ground	Both	High Boom	Angler	5.00E-01	4.36E-05	6.43E+01	1.40E-03	NA	1.37E+02	NC	9.77E+04
Typical	Aerial	Agricultural	Plane	Res-child	5.00E-01	2.34E-05	1.07E+02	1.25E-03	NA	1.37E+02	NC	1.09E+05
Typical	Aerial	Agricultural	Helicopter	Res-child	5.00E-01	2.02E-05	1.07E+02	1.08E-03	NA	1.37E+02	NC	1.27E+05
Typical	Aerial	Forestry	Plane	Res-child	5.00E-01	9.49E-05	1.07E+02	5.08E-03	NA	1.37E+02	NC	2.70E+04
Typical	Aerial	Forestry	Helicopter	Res-child	5.00E-01	6.44E-05	1.07E+02	3.45E-03	NA	1.37E+02	NC	3.97E+04
Typical	Ground	Both	Low Boom	Res-child	5.00E-01	4.41E-06	1.07E+02	2.36E-04	NA	1.37E+02	NC	5.80E+05
Typical	Ground	Both	High Boom	Res-child	5.00E-01	7.28E-06	1.07E+02	3.90E-04	NA	1.37E+02	NC	3.51E+05
Max	Aerial	Agricultural	Plane	Res-child	5.00E-01	2.00E-04	1.07E+02	1.07E-02	NA	1.37E+02	NC	1.28E+04
Max	Aerial	Agricultural	Helicopter	Res-child	5.00E-01	1.00E-04	1.07E+02	5.36E-03	NA	1.37E+02	NC	2.56E+04
Max	Aerial	Forestry	Plane	Res-child	5.00E-01	6.00E-04	1.07E+02	3.21E-02	NA	1.37E+02	NC	4.26E+03
Max	Aerial	Forestry	Helicopter	Res-child	5.00E-01	4.00E-04	1.07E+02	2.14E-02	NA	1.37E+02	NC	6.39E+03
Max	Ground	Both	Low Boom	Res-child	5.00E-01	2.64E-05	1.07E+02	1.41E-03	NA	1.37E+02	NC	9.69E+04
Max	Ground	Both	High Boom	Res-child	5.00E-01	4.36E-05	1.07E+02	2.34E-03	NA	1.37E+02	NC	5.87E+04
Typical	Aerial	Agricultural	Plane	Res-adult	5.00E-01	2.34E-05	6.43E+01	7.53E-04	NA	1.37E+02	NC	1.82E+05
Typical	Aerial	Agricultural	Helicopter	Res-adult	5.00E-01	2.02E-05	6.43E+01	6.50E-04	NA	1.37E+02	NC	2.11E+05
Typical	Aerial	Forestry	Plane	Res-adult	5.00E-01	9.49E-05	6.43E+01	3.05E-03	NA	1.37E+02	NC	4.49E+04
Typical	Aerial	Forestry	Helicopter	Res-adult	5.00E-01	6.44E-05	6.43E+01	2.07E-03	NA	1.37E+02	NC	6.61E+04
Typical	Ground	Both	Low Boom	Res-adult	5.00E-01	4.41E-06	6.43E+01	1.42E-04	NA	1.37E+02	NC	9.66E+05
Typical	Ground	Both	High Boom	Res-adult	5.00E-01	7.28E-06	6.43E+01	2.34E-04	NA	1.37E+02	NC	5.85E+05
Max	Aerial	Agricultural	Plane	Res-adult	5.00E-01	2.00E-04	6.43E+01	6.43E-03	NA	1.37E+02	NC	2.13E+04
Max	Aerial	Agricultural	Helicopter	Res-adult	5.00E-01	1.00E-04	6.43E+01	3.22E-03	NA	1.37E+02	NC	4.26E+04
Max	Aerial	Forestry	Plane	Res-adult	5.00E-01	6.00E-04	6.43E+01	1.93E-02	NA	1.37E+02	NC	7.10E+03
Max	Aerial	Forestry	Helicopter	Res-adult	5.00E-01	4.00E-04	6.43E+01	1.29E-02	NA	1.37E+02	NC	1.06E+04
Max	Ground	Both	Low Boom	Res-adult	5.00E-01	2.64E-05	6.43E+01	8.49E-04	NA	1.37E+02	NC	1.61E+05
Max	Ground	Both	High Boom	Res-adult	5.00E-01	4.36E-05	6.43E+01	1.40E-03	NA	1.37E+02	NC	9.77E+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 Spray Drift
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	N.A.-child	5.00E-01	2.34E-05	1.07E+02	1.25E-03	NA	1.37E+02	NC	1.09E+05
Typical	Aerial	Agricultural	Helicopter	N.A.-child	5.00E-01	2.02E-05	1.07E+02	1.08E-03	NA	1.37E+02	NC	1.27E+05
Typical	Aerial	Forestry	Plane	N.A.-child	5.00E-01	9.49E-05	1.07E+02	5.08E-03	NA	1.37E+02	NC	2.70E+04
Typical	Aerial	Forestry	Helicopter	N.A.-child	5.00E-01	6.44E-05	1.07E+02	3.45E-03	NA	1.37E+02	NC	3.97E+04
Typical	Ground	Both	Low Boom	N.A.-child	5.00E-01	4.41E-06	1.07E+02	2.36E-04	NA	1.37E+02	NC	5.80E+05
Typical	Ground	Both	High Boom	N.A.-child	5.00E-01	7.28E-06	1.07E+02	3.90E-04	NA	1.37E+02	NC	3.51E+05
Max	Aerial	Agricultural	Plane	N.A.-child	5.00E-01	2.00E-04	1.07E+02	1.07E-02	NA	1.37E+02	NC	1.28E+04
Max	Aerial	Agricultural	Helicopter	N.A.-child	5.00E-01	1.00E-04	1.07E+02	5.36E-03	NA	1.37E+02	NC	2.56E+04
Max	Aerial	Forestry	Plane	N.A.-child	5.00E-01	6.00E-04	1.07E+02	3.21E-02	NA	1.37E+02	NC	4.26E+03
Max	Aerial	Forestry	Helicopter	N.A.-child	5.00E-01	4.00E-04	1.07E+02	2.14E-02	NA	1.37E+02	NC	6.39E+03
Max	Ground	Both	Low Boom	N.A.-child	5.00E-01	2.64E-05	1.07E+02	1.41E-03	NA	1.37E+02	NC	9.69E+04
Max	Ground	Both	High Boom	N.A.-child	5.00E-01	4.36E-05	1.07E+02	2.34E-03	NA	1.37E+02	NC	5.87E+04
Typical	Aerial	Agricultural	Plane	N.A.-adult	5.00E-01	2.34E-05	6.43E+01	7.53E-04	NA	1.37E+02	NC	1.82E+05
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	5.00E-01	2.02E-05	6.43E+01	6.50E-04	NA	1.37E+02	NC	2.11E+05
Typical	Aerial	Forestry	Plane	N.A.-adult	5.00E-01	9.49E-05	6.43E+01	3.05E-03	NA	1.37E+02	NC	4.49E+04
Typical	Aerial	Forestry	Helicopter	N.A.-adult	5.00E-01	6.44E-05	6.43E+01	2.07E-03	NA	1.37E+02	NC	6.61E+04
Typical	Ground	Both	Low Boom	N.A.-adult	5.00E-01	4.41E-06	6.43E+01	1.42E-04	NA	1.37E+02	NC	9.66E+05
Typical	Ground	Both	High Boom	N.A.-adult	5.00E-01	7.28E-06	6.43E+01	2.34E-04	NA	1.37E+02	NC	5.85E+05
Max	Aerial	Agricultural	Plane	N.A.-adult	5.00E-01	2.00E-04	6.43E+01	6.43E-03	NA	1.37E+02	NC	2.13E+04
Max	Aerial	Agricultural	Helicopter	N.A.-adult	5.00E-01	1.00E-04	6.43E+01	3.22E-03	NA	1.37E+02	NC	4.26E+04
Max	Aerial	Forestry	Plane	N.A.-adult	5.00E-01	6.00E-04	6.43E+01	1.93E-02	NA	1.37E+02	NC	7.10E+03
Max	Aerial	Forestry	Helicopter	N.A.-adult	5.00E-01	4.00E-04	6.43E+01	1.29E-02	NA	1.37E+02	NC	1.06E+04
Max	Ground	Both	Low Boom	N.A.-adult	5.00E-01	2.64E-05	6.43E+01	8.49E-04	NA	1.37E+02	NC	1.61E+05
Max	Ground	Both	High Boom	N.A.-adult	5.00E-01	4.36E-05	6.43E+01	1.40E-03	NA	1.37E+02	NC	9.77E+04

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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	Hiker/Hunter	2.00E-01	5.00E-01	2.34E-05	4.68E-06	2.86E+01	6.69E-05	NA	1.37E+02	NC	2.05E+06
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	5.00E-01	2.02E-05	4.04E-06	2.86E+01	5.77E-05	NA	1.37E+02	NC	2.37E+06
Typical	Aerial	Forestry	Plane	Hiker/Hunter	2.00E-01	5.00E-01	9.49E-05	1.90E-05	2.86E+01	2.71E-04	NA	1.37E+02	NC	5.05E+05
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	2.00E-01	5.00E-01	6.44E-05	1.29E-05	2.86E+01	1.84E-04	NA	1.37E+02	NC	7.45E+05
Typical	Ground	Both	Low Boom	Hiker/Hunter	2.00E-01	5.00E-01	4.41E-06	8.82E-07	2.86E+01	1.26E-05	NA	1.37E+02	NC	1.09E+07
Typical	Ground	Both	High Boom	Hiker/Hunter	2.00E-01	5.00E-01	7.28E-06	1.46E-06	2.86E+01	2.08E-05	NA	1.37E+02	NC	6.59E+06
Max	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	5.00E-01	2.00E-04	4.00E-05	2.86E+01	5.71E-04	NA	1.37E+02	NC	2.40E+05
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	5.00E-01	1.00E-04	2.00E-05	2.86E+01	2.86E-04	NA	1.37E+02	NC	4.80E+05
Max	Aerial	Forestry	Plane	Hiker/Hunter	2.00E-01	5.00E-01	6.00E-04	1.20E-04	2.86E+01	1.71E-03	NA	1.37E+02	NC	7.99E+04
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	2.00E-01	5.00E-01	4.00E-04	8.00E-05	2.86E+01	1.14E-03	NA	1.37E+02	NC	1.20E+05
Max	Ground	Both	Low Boom	Hiker/Hunter	2.00E-01	5.00E-01	2.64E-05	5.28E-06	2.86E+01	7.54E-05	NA	1.37E+02	NC	1.82E+06
Max	Ground	Both	High Boom	Hiker/Hunter	2.00E-01	5.00E-01	4.36E-05	8.72E-06	2.86E+01	1.25E-04	NA	1.37E+02	NC	1.10E+06
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	5.00E-01	2.34E-05	4.68E-06	4.00E+01	9.36E-05	NA	1.37E+02	NC	1.46E+06
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	5.00E-01	2.02E-05	4.04E-06	4.00E+01	8.08E-05	NA	1.37E+02	NC	1.70E+06
Typical	Aerial	Forestry	Plane	Berry - child	2.00E-01	5.00E-01	9.49E-05	1.90E-05	4.00E+01	3.80E-04	NA	1.37E+02	NC	3.61E+05
Typical	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	5.00E-01	6.44E-05	1.29E-05	4.00E+01	2.58E-04	NA	1.37E+02	NC	5.32E+05
Typical	Ground	Both	Low Boom	Berry - child	2.00E-01	5.00E-01	4.41E-06	8.82E-07	4.00E+01	1.76E-05	NA	1.37E+02	NC	7.77E+06
Typical	Ground	Both	High Boom	Berry - child	2.00E-01	5.00E-01	7.28E-06	1.46E-06	4.00E+01	2.91E-05	NA	1.37E+02	NC	4.70E+06
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	5.00E-01	2.00E-04	4.00E-05	4.00E+01	8.00E-04	NA	1.37E+02	NC	1.71E+05
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	5.00E-01	1.00E-04	2.00E-05	4.00E+01	4.00E-04	NA	1.37E+02	NC	3.43E+05
Max	Aerial	Forestry	Plane	Berry - child	2.00E-01	5.00E-01	6.00E-04	1.20E-04	4.00E+01	2.40E-03	NA	1.37E+02	NC	5.71E+04
Max	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	5.00E-01	4.00E-04	8.00E-05	4.00E+01	1.60E-03	NA	1.37E+02	NC	8.56E+04
Max	Ground	Both	Low Boom	Berry - child	2.00E-01	5.00E-01	2.64E-05	5.28E-06	4.00E+01	1.06E-04	NA	1.37E+02	NC	1.30E+06
Max	Ground	Both	High Boom	Berry - child	2.00E-01	5.00E-01	4.36E-05	8.72E-06	4.00E+01	1.74E-04	NA	1.37E+02	NC	7.86E+05
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	5.00E-01	2.34E-05	4.68E-06	4.29E+01	1.00E-04	NA	1.37E+02	NC	1.37E+06
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	5.00E-01	2.02E-05	4.04E-06	4.29E+01	8.66E-05	NA	1.37E+02	NC	1.58E+06
Typical	Aerial	Forestry	Plane	Berry - adult	2.00E-01	5.00E-01	9.49E-05	1.90E-05	4.29E+01	4.07E-04	NA	1.37E+02	NC	3.37E+05
Typical	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	5.00E-01	6.44E-05	1.29E-05	4.29E+01	2.76E-04	NA	1.37E+02	NC	4.96E+05
Typical	Ground	Both	Low Boom	Berry - adult	2.00E-01	5.00E-01	4.41E-06	8.82E-07	4.29E+01	1.89E-05	NA	1.37E+02	NC	7.25E+06
Typical	Ground	Both	High Boom	Berry - adult	2.00E-01	5.00E-01	7.28E-06	1.46E-06	4.29E+01	3.12E-05	NA	1.37E+02	NC	4.39E+06
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	5.00E-01	2.00E-04	4.00E-05	4.29E+01	8.57E-04	NA	1.37E+02	NC	1.60E+05
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	5.00E-01	1.00E-04	2.00E-05	4.29E+01	4.29E-04	NA	1.37E+02	NC	3.20E+05
Max	Aerial	Forestry	Plane	Berry - adult	2.00E-01	5.00E-01	6.00E-04	1.20E-04	4.29E+01	2.57E-03	NA	1.37E+02	NC	5.33E+04
Max	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	5.00E-01	4.00E-04	8.00E-05	4.29E+01	1.71E-03	NA	1.37E+02	NC	7.99E+04
Max	Ground	Both	Low Boom	Berry - adult	2.00E-01	5.00E-01	2.64E-05	5.28E-06	4.29E+01	1.13E-04	NA	1.37E+02	NC	1.21E+06
Max	Ground	Both	High Boom	Berry - adult	2.00E-01	5.00E-01	4.36E-05	8.72E-06	4.29E+01	1.87E-04	NA	1.37E+02	NC	7.33E+05

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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	Angler	2.00E-01	5.00E-01	2.34E-05	4.68E-06	2.86E+01	6.69E-05	NA	1.37E+02	NC	2.05E+06
Typical	Aerial	Agricultural	Helicopter	Angler	2.00E-01	5.00E-01	2.02E-05	4.04E-06	2.86E+01	5.77E-05	NA	1.37E+02	NC	2.37E+06
Typical	Aerial	Forestry	Plane	Angler	2.00E-01	5.00E-01	9.49E-05	1.90E-05	2.86E+01	2.71E-04	NA	1.37E+02	NC	5.05E+05
Typical	Aerial	Forestry	Helicopter	Angler	2.00E-01	5.00E-01	6.44E-05	1.29E-05	2.86E+01	1.84E-04	NA	1.37E+02	NC	7.45E+05
Typical	Ground	Both	Low Boom	Angler	2.00E-01	5.00E-01	4.41E-06	8.82E-07	2.86E+01	1.26E-05	NA	1.37E+02	NC	1.09E+07
Typical	Ground	Both	High Boom	Angler	2.00E-01	5.00E-01	7.28E-06	1.46E-06	2.86E+01	2.08E-05	NA	1.37E+02	NC	6.59E+06
Max	Aerial	Agricultural	Plane	Angler	2.00E-01	5.00E-01	2.00E-04	4.00E-05	2.86E+01	5.71E-04	NA	1.37E+02	NC	2.40E+05
Max	Aerial	Agricultural	Helicopter	Angler	2.00E-01	5.00E-01	1.00E-04	2.00E-05	2.86E+01	2.86E-04	NA	1.37E+02	NC	4.80E+05
Max	Aerial	Forestry	Plane	Angler	2.00E-01	5.00E-01	6.00E-04	1.20E-04	2.86E+01	1.71E-03	NA	1.37E+02	NC	7.99E+04
Max	Aerial	Forestry	Helicopter	Angler	2.00E-01	5.00E-01	4.00E-04	8.00E-05	2.86E+01	1.14E-03	NA	1.37E+02	NC	1.20E+05
Max	Ground	Both	Low Boom	Angler	2.00E-01	5.00E-01	2.64E-05	5.28E-06	2.86E+01	7.54E-05	NA	1.37E+02	NC	1.82E+06
Max	Ground	Both	High Boom	Angler	2.00E-01	5.00E-01	4.36E-05	8.72E-06	2.86E+01	1.25E-04	NA	1.37E+02	NC	1.10E+06
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	5.00E-01	2.34E-05	4.68E-06	6.93E+02	1.62E-03	NA	1.37E+02	NC	8.44E+04
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	5.00E-01	2.02E-05	4.04E-06	6.93E+02	1.40E-03	NA	1.37E+02	NC	9.78E+04
Typical	Aerial	Forestry	Plane	Res-child	2.00E-01	5.00E-01	9.49E-05	1.90E-05	6.93E+02	6.58E-03	NA	1.37E+02	NC	2.08E+04
Typical	Aerial	Forestry	Helicopter	Res-child	2.00E-01	5.00E-01	6.44E-05	1.29E-05	6.93E+02	4.47E-03	NA	1.37E+02	NC	3.07E+04
Typical	Ground	Both	Low Boom	Res-child	2.00E-01	5.00E-01	4.41E-06	8.82E-07	6.93E+02	3.06E-04	NA	1.37E+02	NC	4.48E+05
Typical	Ground	Both	High Boom	Res-child	2.00E-01	5.00E-01	7.28E-06	1.46E-06	6.93E+02	5.05E-04	NA	1.37E+02	NC	2.71E+05
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	5.00E-01	2.00E-04	4.00E-05	6.93E+02	1.39E-02	NA	1.37E+02	NC	9.88E+03
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	5.00E-01	1.00E-04	2.00E-05	6.93E+02	6.93E-03	NA	1.37E+02	NC	1.98E+04
Max	Aerial	Forestry	Plane	Res-child	2.00E-01	5.00E-01	6.00E-04	1.20E-04	6.93E+02	4.16E-02	NA	1.37E+02	NC	3.29E+03
Max	Aerial	Forestry	Helicopter	Res-child	2.00E-01	5.00E-01	4.00E-04	8.00E-05	6.93E+02	2.77E-02	NA	1.37E+02	NC	4.94E+03
Max	Ground	Both	Low Boom	Res-child	2.00E-01	5.00E-01	2.64E-05	5.28E-06	6.93E+02	1.83E-03	NA	1.37E+02	NC	7.48E+04
Max	Ground	Both	High Boom	Res-child	2.00E-01	5.00E-01	4.36E-05	8.72E-06	6.93E+02	3.02E-03	NA	1.37E+02	NC	4.53E+04
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	5.00E-01	2.34E-05	4.68E-06	4.14E+02	9.69E-04	NA	1.37E+02	NC	1.41E+05
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	5.00E-01	2.02E-05	4.04E-06	4.14E+02	8.37E-04	NA	1.37E+02	NC	1.64E+05
Typical	Aerial	Forestry	Plane	Res-adult	2.00E-01	5.00E-01	9.49E-05	1.90E-05	4.14E+02	3.93E-03	NA	1.37E+02	NC	3.48E+04
Typical	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	5.00E-01	6.44E-05	1.29E-05	4.14E+02	2.67E-03	NA	1.37E+02	NC	5.13E+04
Typical	Ground	Both	Low Boom	Res-adult	2.00E-01	5.00E-01	4.41E-06	8.82E-07	4.14E+02	1.83E-04	NA	1.37E+02	NC	7.50E+05
Typical	Ground	Both	High Boom	Res-adult	2.00E-01	5.00E-01	7.28E-06	1.46E-06	4.14E+02	3.02E-04	NA	1.37E+02	NC	4.54E+05
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	5.00E-01	2.00E-04	4.00E-05	4.14E+02	8.29E-03	NA	1.37E+02	NC	1.65E+04
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	5.00E-01	1.00E-04	2.00E-05	4.14E+02	4.14E-03	NA	1.37E+02	NC	3.31E+04
Max	Aerial	Forestry	Plane	Res-adult	2.00E-01	5.00E-01	6.00E-04	1.20E-04	4.14E+02	2.49E-02	NA	1.37E+02	NC	5.51E+03
Max	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	5.00E-01	4.00E-04	8.00E-05	4.14E+02	1.66E-02	NA	1.37E+02	NC	8.27E+03
Max	Ground	Both	Low Boom	Res-adult	2.00E-01	5.00E-01	2.64E-05	5.28E-06	4.14E+02	1.09E-03	NA	1.37E+02	NC	1.25E+05
Max	Ground	Both	High Boom	Res-adult	2.00E-01	5.00E-01	4.36E-05	8.72E-06	4.14E+02	1.81E-03	NA	1.37E+02	NC	7.58E+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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	N.A.-child	2.00E-01	5.00E-01	2.34E-05	4.68E-06	6.00E+01	1.40E-04	NA	1.37E+02	NC	9.76E+05
Typical	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	5.00E-01	2.02E-05	4.04E-06	6.00E+01	1.21E-04	NA	1.37E+02	NC	1.13E+06
Typical	Aerial	Forestry	Plane	N.A.-child	2.00E-01	5.00E-01	9.49E-05	1.90E-05	6.00E+01	5.69E-04	NA	1.37E+02	NC	2.41E+05
Typical	Aerial	Forestry	Helicopter	N.A.-child	2.00E-01	5.00E-01	6.44E-05	1.29E-05	6.00E+01	3.86E-04	NA	1.37E+02	NC	3.55E+05
Typical	Ground	Both	Low Boom	N.A.-child	2.00E-01	5.00E-01	4.41E-06	8.82E-07	6.00E+01	2.65E-05	NA	1.37E+02	NC	5.18E+06
Typical	Ground	Both	High Boom	N.A.-child	2.00E-01	5.00E-01	7.28E-06	1.46E-06	6.00E+01	4.37E-05	NA	1.37E+02	NC	3.14E+06
Max	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	5.00E-01	2.00E-04	4.00E-05	6.00E+01	1.20E-03	NA	1.37E+02	NC	1.14E+05
Max	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	5.00E-01	1.00E-04	2.00E-05	6.00E+01	6.00E-04	NA	1.37E+02	NC	2.28E+05
Max	Aerial	Forestry	Plane	N.A.-child	2.00E-01	5.00E-01	6.00E-04	1.20E-04	6.00E+01	3.60E-03	NA	1.37E+02	NC	3.81E+04
Max	Aerial	Forestry	Helicopter	N.A.-child	2.00E-01	5.00E-01	4.00E-04	8.00E-05	6.00E+01	2.40E-03	NA	1.37E+02	NC	5.71E+04
Max	Ground	Both	Low Boom	N.A.-child	2.00E-01	5.00E-01	2.64E-05	5.28E-06	6.00E+01	1.58E-04	NA	1.37E+02	NC	8.65E+05
Max	Ground	Both	High Boom	N.A.-child	2.00E-01	5.00E-01	4.36E-05	8.72E-06	6.00E+01	2.62E-04	NA	1.37E+02	NC	5.24E+05
Typical	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	5.00E-01	2.34E-05	4.68E-06	6.43E+01	1.50E-04	NA	1.37E+02	NC	9.11E+05
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	5.00E-01	2.02E-05	4.04E-06	6.43E+01	1.30E-04	NA	1.37E+02	NC	1.06E+06
Typical	Aerial	Forestry	Plane	N.A.-adult	2.00E-01	5.00E-01	9.49E-05	1.90E-05	6.43E+01	6.10E-04	NA	1.37E+02	NC	2.25E+05
Typical	Aerial	Forestry	Helicopter	N.A.-adult	2.00E-01	5.00E-01	6.44E-05	1.29E-05	6.43E+01	4.14E-04	NA	1.37E+02	NC	3.31E+05
Typical	Ground	Both	Low Boom	N.A.-adult	2.00E-01	5.00E-01	4.41E-06	8.82E-07	6.43E+01	2.84E-05	NA	1.37E+02	NC	4.83E+06
Typical	Ground	Both	High Boom	N.A.-adult	2.00E-01	5.00E-01	7.28E-06	1.46E-06	6.43E+01	4.68E-05	NA	1.37E+02	NC	2.93E+06
Max	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	5.00E-01	2.00E-04	4.00E-05	6.43E+01	1.29E-03	NA	1.37E+02	NC	1.07E+05
Max	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	5.00E-01	1.00E-04	2.00E-05	6.43E+01	6.43E-04	NA	1.37E+02	NC	2.13E+05
Max	Aerial	Forestry	Plane	N.A.-adult	2.00E-01	5.00E-01	6.00E-04	1.20E-04	6.43E+01	3.86E-03	NA	1.37E+02	NC	3.55E+04
Max	Aerial	Forestry	Helicopter	N.A.-adult	2.00E-01	5.00E-01	4.00E-04	8.00E-05	6.43E+01	2.57E-03	NA	1.37E+02	NC	5.33E+04
Max	Ground	Both	Low Boom	N.A.-adult	2.00E-01	5.00E-01	2.64E-05	5.28E-06	6.43E+01	1.70E-04	NA	1.37E+02	NC	8.07E+05
Max	Ground	Both	High Boom	N.A.-adult	2.00E-01	5.00E-01	4.36E-05	8.72E-06	6.43E+01	2.80E-04	NA	1.37E+02	NC	4.89E+05

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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	2.34E-05	4.60E+00	2.15E-05	5.00E-01	0.004%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	2.02E-05	4.60E+00	1.86E-05	5.00E-01	0.004%
Typical	Aerial	Forestry	Plane	Berry - child	2.00E-01	9.49E-05	4.60E+00	8.73E-05	5.00E-01	0.017%
Typical	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	6.44E-05	4.60E+00	5.92E-05	5.00E-01	0.012%
Typical	Ground	Both	Low Boom	Berry - child	2.00E-01	4.41E-06	4.60E+00	4.06E-06	5.00E-01	0.001%
Typical	Ground	Both	High Boom	Berry - child	2.00E-01	7.28E-06	4.60E+00	6.70E-06	5.00E-01	0.001%
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	5.00E-01	0.037%
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	5.00E-01	0.018%
Max	Aerial	Forestry	Plane	Berry - child	2.00E-01	6.00E-04	4.60E+00	5.52E-04	5.00E-01	0.110%
Max	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	5.00E-01	0.074%
Max	Ground	Both	Low Boom	Berry - child	2.00E-01	2.64E-05	4.60E+00	2.43E-05	5.00E-01	0.005%
Max	Ground	Both	High Boom	Berry - child	2.00E-01	4.36E-05	4.60E+00	4.01E-05	5.00E-01	0.008%
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	2.34E-05	4.57E+00	2.14E-05	5.00E-01	0.004%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	2.02E-05	4.57E+00	1.85E-05	5.00E-01	0.004%
Typical	Aerial	Forestry	Plane	Berry - adult	2.00E-01	9.49E-05	4.57E+00	8.68E-05	5.00E-01	0.017%
Typical	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	6.44E-05	4.57E+00	5.89E-05	5.00E-01	0.012%
Typical	Ground	Both	Low Boom	Berry - adult	2.00E-01	4.41E-06	4.57E+00	4.03E-06	5.00E-01	0.001%
Typical	Ground	Both	High Boom	Berry - adult	2.00E-01	7.28E-06	4.57E+00	6.66E-06	5.00E-01	0.001%
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	5.00E-01	0.037%
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	5.00E-01	0.018%
Max	Aerial	Forestry	Plane	Berry - adult	2.00E-01	6.00E-04	4.57E+00	5.49E-04	5.00E-01	0.110%
Max	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	5.00E-01	0.073%
Max	Ground	Both	Low Boom	Berry - adult	2.00E-01	2.64E-05	4.57E+00	2.41E-05	5.00E-01	0.005%
Max	Ground	Both	High Boom	Berry - adult	2.00E-01	4.36E-05	4.57E+00	3.99E-05	5.00E-01	0.008%

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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	Res-child	2.00E-01	2.34E-05	4.60E+00	2.15E-05	5.00E-01	0.004%
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	2.02E-05	4.60E+00	1.86E-05	5.00E-01	0.004%
Typical	Aerial	Forestry	Plane	Res-child	2.00E-01	9.49E-05	4.60E+00	8.73E-05	5.00E-01	0.017%
Typical	Aerial	Forestry	Helicopter	Res-child	2.00E-01	6.44E-05	4.60E+00	5.92E-05	5.00E-01	0.012%
Typical	Ground	Both	Low Boom	Res-child	2.00E-01	4.41E-06	4.60E+00	4.06E-06	5.00E-01	0.001%
Typical	Ground	Both	High Boom	Res-child	2.00E-01	7.28E-06	4.60E+00	6.70E-06	5.00E-01	0.001%
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	5.00E-01	0.037%
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	5.00E-01	0.018%
Max	Aerial	Forestry	Plane	Res-child	2.00E-01	6.00E-04	4.60E+00	5.52E-04	5.00E-01	0.110%
Max	Aerial	Forestry	Helicopter	Res-child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	5.00E-01	0.074%
Max	Ground	Both	Low Boom	Res-child	2.00E-01	2.64E-05	4.60E+00	2.43E-05	5.00E-01	0.005%
Max	Ground	Both	High Boom	Res-child	2.00E-01	4.36E-05	4.60E+00	4.01E-05	5.00E-01	0.008%
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	2.34E-05	4.57E+00	2.14E-05	5.00E-01	0.004%
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	2.02E-05	4.57E+00	1.85E-05	5.00E-01	0.004%
Typical	Aerial	Forestry	Plane	Res-adult	2.00E-01	9.49E-05	4.57E+00	8.68E-05	5.00E-01	0.017%
Typical	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	6.44E-05	4.57E+00	5.89E-05	5.00E-01	0.012%
Typical	Ground	Both	Low Boom	Res-adult	2.00E-01	4.41E-06	4.57E+00	4.03E-06	5.00E-01	0.001%
Typical	Ground	Both	High Boom	Res-adult	2.00E-01	7.28E-06	4.57E+00	6.66E-06	5.00E-01	0.001%
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	5.00E-01	0.037%
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	5.00E-01	0.018%
Max	Aerial	Forestry	Plane	Res-adult	2.00E-01	6.00E-04	4.57E+00	5.49E-04	5.00E-01	0.110%
Max	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	5.00E-01	0.073%
Max	Ground	Both	Low Boom	Res-adult	2.00E-01	2.64E-05	4.57E+00	2.41E-05	5.00E-01	0.005%
Max	Ground	Both	High Boom	Res-adult	2.00E-01	4.36E-05	4.57E+00	3.99E-05	5.00E-01	0.008%

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: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

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	2.34E-05	4.60E+00	2.15E-05	5.00E-01	0.004%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	2.02E-05	4.60E+00	1.86E-05	5.00E-01	0.004%
Typical	Aerial	Forestry	Plane	N.American - child	2.00E-01	9.49E-05	4.60E+00	8.73E-05	5.00E-01	0.017%
Typical	Aerial	Forestry	Helicopter	N.American - child	2.00E-01	6.44E-05	4.60E+00	5.92E-05	5.00E-01	0.012%
Typical	Ground	Both	Low Boom	N.American - child	2.00E-01	4.41E-06	4.60E+00	4.06E-06	5.00E-01	0.001%
Typical	Ground	Both	High Boom	N.American - child	2.00E-01	7.28E-06	4.60E+00	6.70E-06	5.00E-01	0.001%
Max	Aerial	Agricultural	Plane	N.American - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	5.00E-01	0.037%
Max	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	5.00E-01	0.018%
Max	Aerial	Forestry	Plane	N.American - child	2.00E-01	6.00E-04	4.60E+00	5.52E-04	5.00E-01	0.110%
Max	Aerial	Forestry	Helicopter	N.American - child	2.00E-01	4.00E-04	4.60E+00	3.68E-04	5.00E-01	0.074%
Max	Ground	Both	Low Boom	N.American - child	2.00E-01	2.64E-05	4.60E+00	2.43E-05	5.00E-01	0.005%
Max	Ground	Both	High Boom	N.American - child	2.00E-01	4.36E-05	4.60E+00	4.01E-05	5.00E-01	0.008%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	2.34E-05	4.57E+00	2.14E-05	5.00E-01	0.004%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	2.02E-05	4.57E+00	1.85E-05	5.00E-01	0.004%
Typical	Aerial	Forestry	Plane	N.American - adult	2.00E-01	9.49E-05	4.57E+00	8.68E-05	5.00E-01	0.017%
Typical	Aerial	Forestry	Helicopter	N.American - adult	2.00E-01	6.44E-05	4.57E+00	5.89E-05	5.00E-01	0.012%
Typical	Ground	Both	Low Boom	N.American - adult	2.00E-01	4.41E-06	4.57E+00	4.03E-06	5.00E-01	0.001%
Typical	Ground	Both	High Boom	N.American - adult	2.00E-01	7.28E-06	4.57E+00	6.66E-06	5.00E-01	0.001%
Max	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	5.00E-01	0.037%
Max	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	5.00E-01	0.018%
Max	Aerial	Forestry	Plane	N.American - adult	2.00E-01	6.00E-04	4.57E+00	5.49E-04	5.00E-01	0.110%
Max	Aerial	Forestry	Helicopter	N.American - adult	2.00E-01	4.00E-04	4.57E+00	3.66E-04	5.00E-01	0.073%
Max	Ground	Both	Low Boom	N.American - adult	2.00E-01	2.64E-05	4.57E+00	2.41E-05	5.00E-01	0.005%
Max	Ground	Both	High Boom	N.American - adult	2.00E-01	4.36E-05	4.57E+00	3.99E-05	5.00E-01	0.008%

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 - Intermediate-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Intermediate-Term 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	Intermediate MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	2.26E-03	7.16E-03	1.00E-03	4.40E+02	7.13E-06	3.50E+02	4.91E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	2.26E-03	7.14E-03	1.00E-03	4.40E+02	7.10E-06	3.50E+02	4.93E+07
Typical	Aerial	Forestry	Plane	Swimmer-child	2.26E-03	7.69E-03	1.00E-03	4.40E+02	7.65E-06	3.50E+02	4.58E+07
Typical	Aerial	Forestry	Helicopter	Swimmer-child	2.26E-03	7.33E-03	1.00E-03	4.40E+02	7.29E-06	3.50E+02	4.80E+07
Typical	Ground	Both	Low Boom	Swimmer-child	2.26E-03	7.03E-03	1.00E-03	4.40E+02	6.99E-06	3.50E+02	5.01E+07
Typical	Ground	Both	High Boom	Swimmer-child	2.26E-03	7.04E-03	1.00E-03	4.40E+02	7.00E-06	3.50E+02	5.00E+07
Max	Aerial	Agricultural	Plane	Swimmer-child	2.26E-03	1.05E-02	1.00E-03	4.40E+02	1.04E-05	3.50E+02	3.35E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-child	2.26E-03	1.03E-02	1.00E-03	4.40E+02	1.03E-05	3.50E+02	3.40E+07
Max	Aerial	Forestry	Plane	Swimmer-child	2.26E-03	1.39E-02	1.00E-03	4.40E+02	1.38E-05	3.50E+02	2.53E+07
Max	Aerial	Forestry	Helicopter	Swimmer-child	2.26E-03	1.13E-02	1.00E-03	4.40E+02	1.13E-05	3.50E+02	3.10E+07
Max	Ground	Both	Low Boom	Swimmer-child	2.26E-03	9.47E-03	1.00E-03	4.40E+02	9.42E-06	3.50E+02	3.71E+07
Max	Ground	Both	High Boom	Swimmer-child	2.26E-03	9.55E-03	1.00E-03	4.40E+02	9.50E-06	3.50E+02	3.68E+07
Typical	Aerial	Agricultural	Plane	Swimmer-adult	2.26E-03	7.16E-03	1.00E-03	2.57E+02	4.16E-06	3.50E+02	8.40E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	2.26E-03	7.14E-03	1.00E-03	2.57E+02	4.15E-06	3.50E+02	8.43E+07
Typical	Aerial	Forestry	Plane	Swimmer-adult	2.26E-03	7.69E-03	1.00E-03	2.57E+02	4.47E-06	3.50E+02	7.83E+07
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	2.26E-03	7.33E-03	1.00E-03	2.57E+02	4.26E-06	3.50E+02	8.21E+07
Typical	Ground	Both	Low Boom	Swimmer-adult	2.26E-03	7.03E-03	1.00E-03	2.57E+02	4.09E-06	3.50E+02	8.57E+07
Typical	Ground	Both	High Boom	Swimmer-adult	2.26E-03	7.04E-03	1.00E-03	2.57E+02	4.09E-06	3.50E+02	8.55E+07
Max	Aerial	Agricultural	Plane	Swimmer-adult	2.26E-03	1.05E-02	1.00E-03	2.57E+02	6.10E-06	3.50E+02	5.74E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	2.26E-03	1.03E-02	1.00E-03	2.57E+02	6.01E-06	3.50E+02	5.82E+07
Max	Aerial	Forestry	Plane	Swimmer-adult	2.26E-03	1.39E-02	1.00E-03	2.57E+02	8.07E-06	3.50E+02	4.34E+07
Max	Aerial	Forestry	Helicopter	Swimmer-adult	2.26E-03	1.13E-02	1.00E-03	2.57E+02	6.59E-06	3.50E+02	5.31E+07
Max	Ground	Both	Low Boom	Swimmer-adult	2.26E-03	9.47E-03	1.00E-03	2.57E+02	5.51E-06	3.50E+02	6.36E+07
Max	Ground	Both	High Boom	Swimmer-adult	2.26E-03	9.55E-03	1.00E-03	2.57E+02	5.55E-06	3.50E+02	6.31E+07

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 - Intermediate-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Intermediate-Term 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	Intermediate MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	N.American-child	2.26E-03	7.16E-03	1.00E-03	1.14E+03	1.85E-05	3.50E+02	1.89E+07
Typical	Aerial	Agricultural	Helicopter	N.American-child	2.26E-03	7.14E-03	1.00E-03	1.14E+03	1.85E-05	3.50E+02	1.90E+07
Typical	Aerial	Forestry	Plane	N.American-child	2.26E-03	7.69E-03	1.00E-03	1.14E+03	1.99E-05	3.50E+02	1.76E+07
Typical	Aerial	Forestry	Helicopter	N.American-child	2.26E-03	7.33E-03	1.00E-03	1.14E+03	1.90E-05	3.50E+02	1.85E+07
Typical	Ground	Both	Low Boom	N.American-child	2.26E-03	7.03E-03	1.00E-03	1.14E+03	1.82E-05	3.50E+02	1.93E+07
Typical	Ground	Both	High Boom	N.American-child	2.26E-03	7.04E-03	1.00E-03	1.14E+03	1.82E-05	3.50E+02	1.92E+07
Max	Aerial	Agricultural	Plane	N.American-child	2.26E-03	1.05E-02	1.00E-03	1.14E+03	2.71E-05	3.50E+02	1.29E+07
Max	Aerial	Agricultural	Helicopter	N.American-child	2.26E-03	1.03E-02	1.00E-03	1.14E+03	2.68E-05	3.50E+02	1.31E+07
Max	Aerial	Forestry	Plane	N.American-child	2.26E-03	1.39E-02	1.00E-03	1.14E+03	3.59E-05	3.50E+02	9.75E+06
Max	Aerial	Forestry	Helicopter	N.American-child	2.26E-03	1.13E-02	1.00E-03	1.14E+03	2.93E-05	3.50E+02	1.19E+07
Max	Ground	Both	Low Boom	N.American-child	2.26E-03	9.47E-03	1.00E-03	1.14E+03	2.45E-05	3.50E+02	1.43E+07
Max	Ground	Both	High Boom	N.American-child	2.26E-03	9.55E-03	1.00E-03	1.14E+03	2.47E-05	3.50E+02	1.42E+07
Typical	Aerial	Agricultural	Plane	N.American-adult	2.26E-03	7.16E-03	1.00E-03	6.69E+02	1.08E-05	3.50E+02	3.23E+07
Typical	Aerial	Agricultural	Helicopter	N.American-adult	2.26E-03	7.14E-03	1.00E-03	6.69E+02	1.08E-05	3.50E+02	3.24E+07
Typical	Aerial	Forestry	Plane	N.American-adult	2.26E-03	7.69E-03	1.00E-03	6.69E+02	1.16E-05	3.50E+02	3.01E+07
Typical	Aerial	Forestry	Helicopter	N.American-adult	2.26E-03	7.33E-03	1.00E-03	6.69E+02	1.11E-05	3.50E+02	3.16E+07
Typical	Ground	Both	Low Boom	N.American-adult	2.26E-03	7.03E-03	1.00E-03	6.69E+02	1.06E-05	3.50E+02	3.29E+07
Typical	Ground	Both	High Boom	N.American-adult	2.26E-03	7.04E-03	1.00E-03	6.69E+02	1.06E-05	3.50E+02	3.29E+07
Max	Aerial	Agricultural	Plane	N.American-adult	2.26E-03	1.05E-02	1.00E-03	6.69E+02	1.59E-05	3.50E+02	2.21E+07
Max	Aerial	Agricultural	Helicopter	N.American-adult	2.26E-03	1.03E-02	1.00E-03	6.69E+02	1.56E-05	3.50E+02	2.24E+07
Max	Aerial	Forestry	Plane	N.American-adult	2.26E-03	1.39E-02	1.00E-03	6.69E+02	2.10E-05	3.50E+02	1.67E+07
Max	Aerial	Forestry	Helicopter	N.American-adult	2.26E-03	1.13E-02	1.00E-03	6.69E+02	1.71E-05	3.50E+02	2.04E+07
Max	Ground	Both	Low Boom	N.American-adult	2.26E-03	9.47E-03	1.00E-03	6.69E+02	1.43E-05	3.50E+02	2.44E+07
Max	Ground	Both	High Boom	N.American-adult	2.26E-03	9.55E-03	1.00E-03	6.69E+02	1.44E-05	3.50E+02	2.43E+07

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 - Long-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Long-Term 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	Long-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	2.26E-03	9.88E-04	1.00E-03	4.40E+02	9.83E-07	3.50E+02	3.56E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	2.26E-03	9.64E-04	1.00E-03	4.40E+02	9.59E-07	3.50E+02	3.65E+08
Typical	Aerial	Forestry	Plane	Swimmer-child	2.26E-03	1.51E-03	1.00E-03	4.40E+02	1.50E-06	3.50E+02	2.33E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-child	2.26E-03	1.16E-03	1.00E-03	4.40E+02	1.15E-06	3.50E+02	3.04E+08
Typical	Ground	Both	Low Boom	Swimmer-child	2.26E-03	8.54E-04	1.00E-03	4.40E+02	8.49E-07	3.50E+02	4.12E+08
Typical	Ground	Both	High Boom	Swimmer-child	2.26E-03	8.67E-04	1.00E-03	4.40E+02	8.62E-07	3.50E+02	4.06E+08
Max	Aerial	Agricultural	Plane	Swimmer-child	2.26E-03	6.25E-03	1.00E-03	4.40E+02	6.22E-06	3.50E+02	5.63E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-child	2.26E-03	6.10E-03	1.00E-03	4.40E+02	6.07E-06	3.50E+02	5.77E+07
Max	Aerial	Forestry	Plane	Swimmer-child	2.26E-03	9.64E-03	1.00E-03	4.40E+02	9.59E-06	3.50E+02	3.65E+07
Max	Aerial	Forestry	Helicopter	Swimmer-child	2.26E-03	7.09E-03	1.00E-03	4.40E+02	7.06E-06	3.50E+02	4.96E+07
Max	Ground	Both	Low Boom	Swimmer-child	2.26E-03	5.23E-03	1.00E-03	4.40E+02	5.20E-06	3.50E+02	6.73E+07
Max	Ground	Both	High Boom	Swimmer-child	2.26E-03	5.31E-03	1.00E-03	4.40E+02	5.28E-06	3.50E+02	6.63E+07
Typical	Aerial	Agricultural	Plane	Swimmer-adult	2.26E-03	9.88E-04	1.00E-03	2.57E+02	5.75E-07	3.50E+02	6.09E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	2.26E-03	9.64E-04	1.00E-03	2.57E+02	5.61E-07	3.50E+02	6.24E+08
Typical	Aerial	Forestry	Plane	Swimmer-adult	2.26E-03	1.51E-03	1.00E-03	2.57E+02	8.79E-07	3.50E+02	3.98E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	2.26E-03	1.16E-03	1.00E-03	2.57E+02	6.73E-07	3.50E+02	5.20E+08
Typical	Ground	Both	Low Boom	Swimmer-adult	2.26E-03	8.54E-04	1.00E-03	2.57E+02	4.96E-07	3.50E+02	7.05E+08
Typical	Ground	Both	High Boom	Swimmer-adult	2.26E-03	8.67E-04	1.00E-03	2.57E+02	5.04E-07	3.50E+02	6.95E+08
Max	Aerial	Agricultural	Plane	Swimmer-adult	2.26E-03	6.25E-03	1.00E-03	2.57E+02	3.63E-06	3.50E+02	9.63E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	2.26E-03	6.10E-03	1.00E-03	2.57E+02	3.55E-06	3.50E+02	9.87E+07
Max	Aerial	Forestry	Plane	Swimmer-adult	2.26E-03	9.64E-03	1.00E-03	2.57E+02	5.61E-06	3.50E+02	6.24E+07
Max	Aerial	Forestry	Helicopter	Swimmer-adult	2.26E-03	7.09E-03	1.00E-03	2.57E+02	4.12E-06	3.50E+02	8.49E+07
Max	Ground	Both	Low Boom	Swimmer-adult	2.26E-03	5.23E-03	1.00E-03	2.57E+02	3.04E-06	3.50E+02	1.15E+08
Max	Ground	Both	High Boom	Swimmer-adult	2.26E-03	5.31E-03	1.00E-03	2.57E+02	3.09E-06	3.50E+02	1.13E+08

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 - Long-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Long-Term 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	Long-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	N.American-child	2.26E-03	9.88E-04	1.00E-03	1.14E+03	2.56E-06	3.50E+02	1.37E+08
Typical	Aerial	Agricultural	Helicopter	N.American-child	2.26E-03	9.64E-04	1.00E-03	1.14E+03	2.49E-06	3.50E+02	1.40E+08
Typical	Aerial	Forestry	Plane	N.American-child	2.26E-03	1.51E-03	1.00E-03	1.14E+03	3.91E-06	3.50E+02	8.95E+07
Typical	Aerial	Forestry	Helicopter	N.American-child	2.26E-03	1.16E-03	1.00E-03	1.14E+03	3.00E-06	3.50E+02	1.17E+08
Typical	Ground	Both	Low Boom	N.American-child	2.26E-03	8.54E-04	1.00E-03	1.14E+03	2.21E-06	3.50E+02	1.59E+08
Typical	Ground	Both	High Boom	N.American-child	2.26E-03	8.67E-04	1.00E-03	1.14E+03	2.24E-06	3.50E+02	1.56E+08
Max	Aerial	Agricultural	Plane	N.American-child	2.26E-03	6.25E-03	1.00E-03	1.14E+03	1.62E-05	3.50E+02	2.16E+07
Max	Aerial	Agricultural	Helicopter	N.American-child	2.26E-03	6.10E-03	1.00E-03	1.14E+03	1.58E-05	3.50E+02	2.22E+07
Max	Aerial	Forestry	Plane	N.American-child	2.26E-03	9.64E-03	1.00E-03	1.14E+03	2.49E-05	3.50E+02	1.40E+07
Max	Aerial	Forestry	Helicopter	N.American-child	2.26E-03	7.09E-03	1.00E-03	1.14E+03	1.83E-05	3.50E+02	1.91E+07
Max	Ground	Both	Low Boom	N.American-child	2.26E-03	5.23E-03	1.00E-03	1.14E+03	1.35E-05	3.50E+02	2.59E+07
Max	Ground	Both	High Boom	N.American-child	2.26E-03	5.31E-03	1.00E-03	1.14E+03	1.37E-05	3.50E+02	2.55E+07
Typical	Aerial	Agricultural	Plane	N.American-adult	2.26E-03	9.88E-04	1.00E-03	6.69E+02	1.49E-06	3.50E+02	2.34E+08
Typical	Aerial	Agricultural	Helicopter	N.American-adult	2.26E-03	9.64E-04	1.00E-03	6.69E+02	1.46E-06	3.50E+02	2.40E+08
Typical	Aerial	Forestry	Plane	N.American-adult	2.26E-03	1.51E-03	1.00E-03	6.69E+02	2.28E-06	3.50E+02	1.53E+08
Typical	Aerial	Forestry	Helicopter	N.American-adult	2.26E-03	1.16E-03	1.00E-03	6.69E+02	1.75E-06	3.50E+02	2.00E+08
Typical	Ground	Both	Low Boom	N.American-adult	2.26E-03	8.54E-04	1.00E-03	6.69E+02	1.29E-06	3.50E+02	2.71E+08
Typical	Ground	Both	High Boom	N.American-adult	2.26E-03	8.67E-04	1.00E-03	6.69E+02	1.31E-06	3.50E+02	2.67E+08
Max	Aerial	Agricultural	Plane	N.American-adult	2.26E-03	6.25E-03	1.00E-03	6.69E+02	9.45E-06	3.50E+02	3.70E+07
Max	Aerial	Agricultural	Helicopter	N.American-adult	2.26E-03	6.10E-03	1.00E-03	6.69E+02	9.22E-06	3.50E+02	3.79E+07
Max	Aerial	Forestry	Plane	N.American-adult	2.26E-03	9.64E-03	1.00E-03	6.69E+02	1.46E-05	3.50E+02	2.40E+07
Max	Aerial	Forestry	Helicopter	N.American-adult	2.26E-03	7.09E-03	1.00E-03	6.69E+02	1.07E-05	3.50E+02	3.26E+07
Max	Ground	Both	Low Boom	N.American-adult	2.26E-03	5.23E-03	1.00E-03	6.69E+02	7.91E-06	3.50E+02	4.43E+07
Max	Ground	Both	High Boom	N.American-adult	2.26E-03	5.31E-03	1.00E-03	6.69E+02	8.02E-06	3.50E+02	4.36E+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 - Intermediate-Term Exposure

Pesticide: Imazapic

Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

					Intermediate-Term			Incidental Ingestion	
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	Intermediate-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	7.16E-03	3.33E-03	2.39E-05	3.50E+02	1.47E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	7.14E-03	3.33E-03	2.38E-05	3.50E+02	1.47E+07
Typical	Aerial	Forestry	Plane	Swimmer-child	7.69E-03	3.33E-03	2.56E-05	3.50E+02	1.37E+07
Typical	Aerial	Forestry	Helicopter	Swimmer-child	7.33E-03	3.33E-03	2.44E-05	3.50E+02	1.43E+07
Typical	Ground	Both	Low Boom	Swimmer-child	7.03E-03	3.33E-03	2.34E-05	3.50E+02	1.49E+07
Typical	Ground	Both	High Boom	Swimmer-child	7.04E-03	3.33E-03	2.35E-05	3.50E+02	1.49E+07
Max	Aerial	Agricultural	Plane	Swimmer-child	1.05E-02	3.33E-03	3.50E-05	3.50E+02	1.00E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.03E-02	3.33E-03	3.45E-05	3.50E+02	1.02E+07
Max	Aerial	Forestry	Plane	Swimmer-child	1.39E-02	3.33E-03	4.63E-05	3.50E+02	7.56E+06
Max	Aerial	Forestry	Helicopter	Swimmer-child	1.13E-02	3.33E-03	3.78E-05	3.50E+02	9.27E+06
Max	Ground	Both	Low Boom	Swimmer-child	9.47E-03	3.33E-03	3.16E-05	3.50E+02	1.11E+07
Max	Ground	Both	High Boom	Swimmer-child	9.55E-03	3.33E-03	3.18E-05	3.50E+02	1.10E+07
Typical	Aerial	Agricultural	Plane	Swimmer-adult	7.16E-03	7.14E-04	5.12E-06	3.50E+02	6.84E+07
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	7.14E-03	7.14E-04	5.10E-06	3.50E+02	6.86E+07
Typical	Aerial	Forestry	Plane	Swimmer-adult	7.69E-03	7.14E-04	5.49E-06	3.50E+02	6.38E+07
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	7.33E-03	7.14E-04	5.24E-06	3.50E+02	6.68E+07
Typical	Ground	Both	Low Boom	Swimmer-adult	7.03E-03	7.14E-04	5.02E-06	3.50E+02	6.97E+07
Typical	Ground	Both	High Boom	Swimmer-adult	7.04E-03	7.14E-04	5.03E-06	3.50E+02	6.96E+07
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.05E-02	7.14E-04	7.49E-06	3.50E+02	4.67E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.03E-02	7.14E-04	7.39E-06	3.50E+02	4.74E+07
Max	Aerial	Forestry	Plane	Swimmer-adult	1.39E-02	7.14E-04	9.92E-06	3.50E+02	3.53E+07
Max	Aerial	Forestry	Helicopter	Swimmer-adult	1.13E-02	7.14E-04	8.09E-06	3.50E+02	4.32E+07
Max	Ground	Both	Low Boom	Swimmer-adult	9.47E-03	7.14E-04	6.76E-06	3.50E+02	5.17E+07
Max	Ground	Both	High Boom	Swimmer-adult	9.55E-03	7.14E-04	6.82E-06	3.50E+02	5.13E+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 - Long-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Incidental Ingestion	
								Oral NOAEL (mg/kg-day) Short/Int	Long-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Plane	Swimmer-child	9.88E-04	3.33E-03	3.29E-06	3.50E+02	1.06E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	9.64E-04	3.33E-03	3.21E-06	3.50E+02	1.09E+08
Typical	Aerial	Forestry	Plane	Swimmer-child	1.51E-03	3.33E-03	5.04E-06	3.50E+02	6.95E+07
Typical	Aerial	Forestry	Helicopter	Swimmer-child	1.16E-03	3.33E-03	3.86E-06	3.50E+02	9.06E+07
Typical	Ground	Both	Low Boom	Swimmer-child	8.54E-04	3.33E-03	2.85E-06	3.50E+02	1.23E+08
Typical	Ground	Both	High Boom	Swimmer-child	8.67E-04	3.33E-03	2.89E-06	3.50E+02	1.21E+08
Max	Aerial	Agricultural	Plane	Swimmer-child	6.25E-03	3.33E-03	2.08E-05	3.50E+02	1.68E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-child	6.10E-03	3.33E-03	2.03E-05	3.50E+02	1.72E+07
Max	Aerial	Forestry	Plane	Swimmer-child	9.64E-03	3.33E-03	3.21E-05	3.50E+02	1.09E+07
Max	Aerial	Forestry	Helicopter	Swimmer-child	7.09E-03	3.33E-03	2.36E-05	3.50E+02	1.48E+07
Max	Ground	Both	Low Boom	Swimmer-child	5.23E-03	3.33E-03	1.74E-05	3.50E+02	2.01E+07
Max	Ground	Both	High Boom	Swimmer-child	5.31E-03	3.33E-03	1.77E-05	3.50E+02	1.98E+07
Typical	Aerial	Agricultural	Plane	Swimmer-adult	9.88E-04	7.14E-04	7.06E-07	3.50E+02	4.96E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	9.64E-04	7.14E-04	6.89E-07	3.50E+02	5.08E+08
Typical	Aerial	Forestry	Plane	Swimmer-adult	1.51E-03	7.14E-04	1.08E-06	3.50E+02	3.24E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	1.16E-03	7.14E-04	8.27E-07	3.50E+02	4.23E+08
Typical	Ground	Both	Low Boom	Swimmer-adult	8.54E-04	7.14E-04	6.10E-07	3.50E+02	5.74E+08
Typical	Ground	Both	High Boom	Swimmer-adult	8.67E-04	7.14E-04	6.19E-07	3.50E+02	5.65E+08
Max	Aerial	Agricultural	Plane	Swimmer-adult	6.25E-03	7.14E-04	4.47E-06	3.50E+02	7.84E+07
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	6.10E-03	7.14E-04	4.36E-06	3.50E+02	8.03E+07
Max	Aerial	Forestry	Plane	Swimmer-adult	9.64E-03	7.14E-04	6.89E-06	3.50E+02	5.08E+07
Max	Aerial	Forestry	Helicopter	Swimmer-adult	7.09E-03	7.14E-04	5.07E-06	3.50E+02	6.91E+07
Max	Ground	Both	Low Boom	Swimmer-adult	5.23E-03	7.14E-04	3.74E-06	3.50E+02	9.37E+07
Max	Ground	Both	High Boom	Swimmer-adult	5.31E-03	7.14E-04	3.79E-06	3.50E+02	9.23E+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 - Intermediate-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Intermediate-Term 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	7.16E-03	2.86E-02	2.05E-04	5.00E-01	0.0409%
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	7.14E-03	2.86E-02	2.04E-04	5.00E-01	0.0408%
Typical	Aerial	Forestry	Plane	Hiker/Hunter	7.69E-03	2.86E-02	2.20E-04	5.00E-01	0.0439%
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	7.33E-03	2.86E-02	2.10E-04	5.00E-01	0.0419%
Typical	Ground	Both	Low Boom	Hiker/Hunter	7.03E-03	2.86E-02	2.01E-04	5.00E-01	0.0402%
Typical	Ground	Both	High Boom	Hiker/Hunter	7.04E-03	2.86E-02	2.01E-04	5.00E-01	0.0402%
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.05E-02	2.86E-02	3.00E-04	5.00E-01	0.0600%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.03E-02	2.86E-02	2.95E-04	5.00E-01	0.0591%
Max	Aerial	Forestry	Plane	Hiker/Hunter	1.39E-02	2.86E-02	3.97E-04	5.00E-01	0.0793%
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	1.13E-02	2.86E-02	3.24E-04	5.00E-01	0.0648%
Max	Ground	Both	Low Boom	Hiker/Hunter	9.47E-03	2.86E-02	2.71E-04	5.00E-01	0.0541%
Max	Ground	Both	High Boom	Hiker/Hunter	9.55E-03	2.86E-02	2.73E-04	5.00E-01	0.0546%
Typical	Aerial	Agricultural	Plane	Berry - child	7.16E-03	6.67E-02	4.78E-04	5.00E-01	0.0955%
Typical	Aerial	Agricultural	Helicopter	Berry - child	7.14E-03	6.67E-02	4.76E-04	5.00E-01	0.0952%
Typical	Aerial	Forestry	Plane	Berry - child	7.69E-03	6.67E-02	5.12E-04	5.00E-01	0.1025%
Typical	Aerial	Forestry	Helicopter	Berry - child	7.33E-03	6.67E-02	4.89E-04	5.00E-01	0.0978%
Typical	Ground	Both	Low Boom	Berry - child	7.03E-03	6.67E-02	4.69E-04	5.00E-01	0.0937%
Typical	Ground	Both	High Boom	Berry - child	7.04E-03	6.67E-02	4.69E-04	5.00E-01	0.0939%
Max	Aerial	Agricultural	Plane	Berry - child	1.05E-02	6.67E-02	6.99E-04	5.00E-01	0.1399%
Max	Aerial	Agricultural	Helicopter	Berry - child	1.03E-02	6.67E-02	6.89E-04	5.00E-01	0.1379%
Max	Aerial	Forestry	Plane	Berry - child	1.39E-02	6.67E-02	9.25E-04	5.00E-01	0.1851%
Max	Aerial	Forestry	Helicopter	Berry - child	1.13E-02	6.67E-02	7.55E-04	5.00E-01	0.1511%
Max	Ground	Both	Low Boom	Berry - child	9.47E-03	6.67E-02	6.31E-04	5.00E-01	0.1263%
Max	Ground	Both	High Boom	Berry - child	9.55E-03	6.67E-02	6.36E-04	5.00E-01	0.1273%
Typical	Aerial	Agricultural	Plane	Berry - adult	7.16E-03	2.86E-02	2.05E-04	5.00E-01	0.0409%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	7.14E-03	2.86E-02	2.04E-04	5.00E-01	0.0408%
Typical	Aerial	Forestry	Plane	Berry - adult	7.69E-03	2.86E-02	2.20E-04	5.00E-01	0.0439%
Typical	Aerial	Forestry	Helicopter	Berry - adult	7.33E-03	2.86E-02	2.10E-04	5.00E-01	0.0419%
Typical	Ground	Both	Low Boom	Berry - adult	7.03E-03	2.86E-02	2.01E-04	5.00E-01	0.0402%
Typical	Ground	Both	High Boom	Berry - adult	7.04E-03	2.86E-02	2.01E-04	5.00E-01	0.0402%
Max	Aerial	Agricultural	Plane	Berry - adult	1.05E-02	2.86E-02	3.00E-04	5.00E-01	0.0600%
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.03E-02	2.86E-02	2.95E-04	5.00E-01	0.0591%
Max	Aerial	Forestry	Plane	Berry - adult	1.39E-02	2.86E-02	3.97E-04	5.00E-01	0.0793%
Max	Aerial	Forestry	Helicopter	Berry - adult	1.13E-02	2.86E-02	3.24E-04	5.00E-01	0.0648%
Max	Ground	Both	Low Boom	Berry - adult	9.47E-03	2.86E-02	2.71E-04	5.00E-01	0.0541%
Max	Ground	Both	High Boom	Berry - adult	9.55E-03	2.86E-02	2.73E-04	5.00E-01	0.0546%

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 - Intermediate-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

					Intermediate-Term			Drinking Water	
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Angler	7.16E-03	2.86E-02	2.05E-04	5.00E-01	0.0409%
Typical	Aerial	Agricultural	Helicopter	Angler	7.14E-03	2.86E-02	2.04E-04	5.00E-01	0.0408%
Typical	Aerial	Forestry	Plane	Angler	7.69E-03	2.86E-02	2.20E-04	5.00E-01	0.0439%
Typical	Aerial	Forestry	Helicopter	Angler	7.33E-03	2.86E-02	2.10E-04	5.00E-01	0.0419%
Typical	Ground	Both	Low Boom	Angler	7.03E-03	2.86E-02	2.01E-04	5.00E-01	0.0402%
Typical	Ground	Both	High Boom	Angler	7.04E-03	2.86E-02	2.01E-04	5.00E-01	0.0402%
Max	Aerial	Agricultural	Plane	Angler	1.05E-02	2.86E-02	3.00E-04	5.00E-01	0.0600%
Max	Aerial	Agricultural	Helicopter	Angler	1.03E-02	2.86E-02	2.95E-04	5.00E-01	0.0591%
Max	Aerial	Forestry	Plane	Angler	1.39E-02	2.86E-02	3.97E-04	5.00E-01	0.0793%
Max	Aerial	Forestry	Helicopter	Angler	1.13E-02	2.86E-02	3.24E-04	5.00E-01	0.0648%
Max	Ground	Both	Low Boom	Angler	9.47E-03	2.86E-02	2.71E-04	5.00E-01	0.0541%
Max	Ground	Both	High Boom	Angler	9.55E-03	2.86E-02	2.73E-04	5.00E-01	0.0546%
Typical	Aerial	Agricultural	Plane	N.American - child	7.16E-03	3.33E-02	2.39E-04	5.00E-01	0.0478%
Typical	Aerial	Agricultural	Helicopter	N.American - child	7.14E-03	3.33E-02	2.38E-04	5.00E-01	0.0476%
Typical	Aerial	Forestry	Plane	N.American - child	7.69E-03	3.33E-02	2.56E-04	5.00E-01	0.0512%
Typical	Aerial	Forestry	Helicopter	N.American - child	7.33E-03	3.33E-02	2.44E-04	5.00E-01	0.0489%
Typical	Ground	Both	Low Boom	N.American - child	7.03E-03	3.33E-02	2.34E-04	5.00E-01	0.0469%
Typical	Ground	Both	High Boom	N.American - child	7.04E-03	3.33E-02	2.35E-04	5.00E-01	0.0469%
Max	Aerial	Agricultural	Plane	N.American - child	1.05E-02	3.33E-02	3.50E-04	5.00E-01	0.0699%
Max	Aerial	Agricultural	Helicopter	N.American - child	1.03E-02	3.33E-02	3.45E-04	5.00E-01	0.0689%
Max	Aerial	Forestry	Plane	N.American - child	1.39E-02	3.33E-02	4.63E-04	5.00E-01	0.0925%
Max	Aerial	Forestry	Helicopter	N.American - child	1.13E-02	3.33E-02	3.78E-04	5.00E-01	0.0755%
Max	Ground	Both	Low Boom	N.American - child	9.47E-03	3.33E-02	3.16E-04	5.00E-01	0.0631%
Max	Ground	Both	High Boom	N.American - child	9.55E-03	3.33E-02	3.18E-04	5.00E-01	0.0636%
Typical	Aerial	Agricultural	Plane	N.American - adult	7.16E-03	1.43E-02	1.02E-04	5.00E-01	0.0205%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	7.14E-03	1.43E-02	1.02E-04	5.00E-01	0.0204%
Typical	Aerial	Forestry	Plane	N.American - adult	7.69E-03	1.43E-02	1.10E-04	5.00E-01	0.0220%
Typical	Aerial	Forestry	Helicopter	N.American - adult	7.33E-03	1.43E-02	1.05E-04	5.00E-01	0.0210%
Typical	Ground	Both	Low Boom	N.American - adult	7.03E-03	1.43E-02	1.00E-04	5.00E-01	0.0201%
Typical	Ground	Both	High Boom	N.American - adult	7.04E-03	1.43E-02	1.01E-04	5.00E-01	0.0201%
Max	Aerial	Agricultural	Plane	N.American - adult	1.05E-02	1.43E-02	1.50E-04	5.00E-01	0.0300%
Max	Aerial	Agricultural	Helicopter	N.American - adult	1.03E-02	1.43E-02	1.48E-04	5.00E-01	0.0295%
Max	Aerial	Forestry	Plane	N.American - adult	1.39E-02	1.43E-02	1.98E-04	5.00E-01	0.0397%
Max	Aerial	Forestry	Helicopter	N.American - adult	1.13E-02	1.43E-02	1.62E-04	5.00E-01	0.0324%
Max	Ground	Both	Low Boom	N.American - adult	9.47E-03	1.43E-02	1.35E-04	5.00E-01	0.0271%
Max	Ground	Both	High Boom	N.American - adult	9.55E-03	1.43E-02	1.36E-04	5.00E-01	0.0273%

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

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 -Long-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water PAD (mg/kg-day) Chronic	Drinking Water %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	9.88E-04	2.86E-02	2.82E-05	5.00E-01	0.0056%
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	9.64E-04	2.86E-02	2.76E-05	5.00E-01	0.0055%
Typical	Aerial	Forestry	Plane	Hiker/Hunter	1.51E-03	2.86E-02	4.32E-05	5.00E-01	0.0086%
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	1.16E-03	2.86E-02	3.31E-05	5.00E-01	0.0066%
Typical	Ground	Both	Low Boom	Hiker/Hunter	8.54E-04	2.86E-02	2.44E-05	5.00E-01	0.0049%
Typical	Ground	Both	High Boom	Hiker/Hunter	8.67E-04	2.86E-02	2.48E-05	5.00E-01	0.0050%
Max	Aerial	Agricultural	Plane	Hiker/Hunter	6.25E-03	2.86E-02	1.79E-04	5.00E-01	0.0357%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	6.10E-03	2.86E-02	1.74E-04	5.00E-01	0.0349%
Max	Aerial	Forestry	Plane	Hiker/Hunter	9.64E-03	2.86E-02	2.75E-04	5.00E-01	0.0551%
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	7.09E-03	2.86E-02	2.03E-04	5.00E-01	0.0405%
Max	Ground	Both	Low Boom	Hiker/Hunter	5.23E-03	2.86E-02	1.49E-04	5.00E-01	0.0299%
Max	Ground	Both	High Boom	Hiker/Hunter	5.31E-03	2.86E-02	1.52E-04	5.00E-01	0.0303%
Typical	Aerial	Agricultural	Plane	Berry - child	9.88E-04	6.67E-02	6.59E-05	5.00E-01	0.0132%
Typical	Aerial	Agricultural	Helicopter	Berry - child	9.64E-04	6.67E-02	6.43E-05	5.00E-01	0.0129%
Typical	Aerial	Forestry	Plane	Berry - child	1.51E-03	6.67E-02	1.01E-04	5.00E-01	0.0202%
Typical	Aerial	Forestry	Helicopter	Berry - child	1.16E-03	6.67E-02	7.72E-05	5.00E-01	0.0154%
Typical	Ground	Both	Low Boom	Berry - child	8.54E-04	6.67E-02	5.69E-05	5.00E-01	0.0114%
Typical	Ground	Both	High Boom	Berry - child	8.67E-04	6.67E-02	5.78E-05	5.00E-01	0.0116%
Max	Aerial	Agricultural	Plane	Berry - child	6.25E-03	6.67E-02	4.17E-04	5.00E-01	0.0834%
Max	Aerial	Agricultural	Helicopter	Berry - child	6.10E-03	6.67E-02	4.07E-04	5.00E-01	0.0814%
Max	Aerial	Forestry	Plane	Berry - child	9.64E-03	6.67E-02	6.43E-04	5.00E-01	0.1286%
Max	Aerial	Forestry	Helicopter	Berry - child	7.09E-03	6.67E-02	4.73E-04	5.00E-01	0.0946%
Max	Ground	Both	Low Boom	Berry - child	5.23E-03	6.67E-02	3.49E-04	5.00E-01	0.0697%
Max	Ground	Both	High Boom	Berry - child	5.31E-03	6.67E-02	3.54E-04	5.00E-01	0.0708%
Typical	Aerial	Agricultural	Plane	Berry - adult	9.88E-04	2.86E-02	2.82E-05	5.00E-01	0.0056%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	9.64E-04	2.86E-02	2.76E-05	5.00E-01	0.0055%
Typical	Aerial	Forestry	Plane	Berry - adult	1.51E-03	2.86E-02	4.32E-05	5.00E-01	0.0086%
Typical	Aerial	Forestry	Helicopter	Berry - adult	1.16E-03	2.86E-02	3.31E-05	5.00E-01	0.0066%
Typical	Ground	Both	Low Boom	Berry - adult	8.54E-04	2.86E-02	2.44E-05	5.00E-01	0.0049%
Typical	Ground	Both	High Boom	Berry - adult	8.67E-04	2.86E-02	2.48E-05	5.00E-01	0.0050%
Max	Aerial	Agricultural	Plane	Berry - adult	6.25E-03	2.86E-02	1.79E-04	5.00E-01	0.0357%
Max	Aerial	Agricultural	Helicopter	Berry - adult	6.10E-03	2.86E-02	1.74E-04	5.00E-01	0.0349%
Max	Aerial	Forestry	Plane	Berry - adult	9.64E-03	2.86E-02	2.75E-04	5.00E-01	0.0551%
Max	Aerial	Forestry	Helicopter	Berry - adult	7.09E-03	2.86E-02	2.03E-04	5.00E-01	0.0405%
Max	Ground	Both	Low Boom	Berry - adult	5.23E-03	2.86E-02	1.49E-04	5.00E-01	0.0299%
Max	Ground	Both	High Boom	Berry - adult	5.31E-03	2.86E-02	1.52E-04	5.00E-01	0.0303%

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 -Long-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water PAD (mg/kg-day) Chronic	Drinking Water %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Plane	Angler	9.88E-04	2.86E-02	2.82E-05	5.00E-01	0.0056%
Typical	Aerial	Agricultural	Helicopter	Angler	9.64E-04	2.86E-02	2.76E-05	5.00E-01	0.0055%
Typical	Aerial	Forestry	Plane	Angler	1.51E-03	2.86E-02	4.32E-05	5.00E-01	0.0086%
Typical	Aerial	Forestry	Helicopter	Angler	1.16E-03	2.86E-02	3.31E-05	5.00E-01	0.0066%
Typical	Ground	Both	Low Boom	Angler	8.54E-04	2.86E-02	2.44E-05	5.00E-01	0.0049%
Typical	Ground	Both	High Boom	Angler	8.67E-04	2.86E-02	2.48E-05	5.00E-01	0.0050%
Max	Aerial	Agricultural	Plane	Angler	6.25E-03	2.86E-02	1.79E-04	5.00E-01	0.0357%
Max	Aerial	Agricultural	Helicopter	Angler	6.10E-03	2.86E-02	1.74E-04	5.00E-01	0.0349%
Max	Aerial	Forestry	Plane	Angler	9.64E-03	2.86E-02	2.75E-04	5.00E-01	0.0551%
Max	Aerial	Forestry	Helicopter	Angler	7.09E-03	2.86E-02	2.03E-04	5.00E-01	0.0405%
Max	Ground	Both	Low Boom	Angler	5.23E-03	2.86E-02	1.49E-04	5.00E-01	0.0299%
Max	Ground	Both	High Boom	Angler	5.31E-03	2.86E-02	1.52E-04	5.00E-01	0.0303%
Typical	Aerial	Agricultural	Plane	N.American - child	9.88E-04	3.33E-02	3.29E-05	5.00E-01	0.0066%
Typical	Aerial	Agricultural	Helicopter	N.American - child	9.64E-04	3.33E-02	3.21E-05	5.00E-01	0.0064%
Typical	Aerial	Forestry	Plane	N.American - child	1.51E-03	3.33E-02	5.04E-05	5.00E-01	0.0101%
Typical	Aerial	Forestry	Helicopter	N.American - child	1.16E-03	3.33E-02	3.86E-05	5.00E-01	0.0077%
Typical	Ground	Both	Low Boom	N.American - child	8.54E-04	3.33E-02	2.85E-05	5.00E-01	0.0057%
Typical	Ground	Both	High Boom	N.American - child	8.67E-04	3.33E-02	2.89E-05	5.00E-01	0.0058%
Max	Aerial	Agricultural	Plane	N.American - child	6.25E-03	3.33E-02	2.08E-04	5.00E-01	0.0417%
Max	Aerial	Agricultural	Helicopter	N.American - child	6.10E-03	3.33E-02	2.03E-04	5.00E-01	0.0407%
Max	Aerial	Forestry	Plane	N.American - child	9.64E-03	3.33E-02	3.21E-04	5.00E-01	0.0643%
Max	Aerial	Forestry	Helicopter	N.American - child	7.09E-03	3.33E-02	2.36E-04	5.00E-01	0.0473%
Max	Ground	Both	Low Boom	N.American - child	5.23E-03	3.33E-02	1.74E-04	5.00E-01	0.0349%
Max	Ground	Both	High Boom	N.American - child	5.31E-03	3.33E-02	1.77E-04	5.00E-01	0.0354%
Typical	Aerial	Agricultural	Plane	N.American - adult	9.88E-04	1.43E-02	1.41E-05	5.00E-01	0.0028%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	9.64E-04	1.43E-02	1.38E-05	5.00E-01	0.0028%
Typical	Aerial	Forestry	Plane	N.American - adult	1.51E-03	1.43E-02	2.16E-05	5.00E-01	0.0043%
Typical	Aerial	Forestry	Helicopter	N.American - adult	1.16E-03	1.43E-02	1.65E-05	5.00E-01	0.0033%
Typical	Ground	Both	Low Boom	N.American - adult	8.54E-04	1.43E-02	1.22E-05	5.00E-01	0.0024%
Typical	Ground	Both	High Boom	N.American - adult	8.67E-04	1.43E-02	1.24E-05	5.00E-01	0.0025%
Max	Aerial	Agricultural	Plane	N.American - adult	6.25E-03	1.43E-02	8.93E-05	5.00E-01	0.0179%
Max	Aerial	Agricultural	Helicopter	N.American - adult	6.10E-03	1.43E-02	8.72E-05	5.00E-01	0.0174%
Max	Aerial	Forestry	Plane	N.American - adult	9.64E-03	1.43E-02	1.38E-04	5.00E-01	0.0275%
Max	Aerial	Forestry	Helicopter	N.American - adult	7.09E-03	1.43E-02	1.01E-04	5.00E-01	0.0203%
Max	Ground	Both	Low Boom	N.American - adult	5.23E-03	1.43E-02	7.47E-05	5.00E-01	0.0149%
Max	Ground	Both	High Boom	N.American - adult	5.31E-03	1.43E-02	7.58E-05	5.00E-01	0.0152%

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 - Intermediate-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Intermediate-Term 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	7.16E-03	1.10E-01	1.00E-06	9.00E+02	7.09E-07	5.00E-01	0.00014%
Typical	Aerial	Agricultural	Helicopter	Angler	7.14E-03	1.10E-01	1.00E-06	9.00E+02	7.07E-07	5.00E-01	0.00014%
Typical	Aerial	Forestry	Plane	Angler	7.69E-03	1.10E-01	1.00E-06	9.00E+02	7.61E-07	5.00E-01	0.00015%
Typical	Aerial	Forestry	Helicopter	Angler	7.33E-03	1.10E-01	1.00E-06	9.00E+02	7.26E-07	5.00E-01	0.00015%
Typical	Ground	Both	Low Boom	Angler	7.03E-03	1.10E-01	1.00E-06	9.00E+02	6.96E-07	5.00E-01	0.000139%
Typical	Ground	Both	High Boom	Angler	7.04E-03	1.10E-01	1.00E-06	9.00E+02	6.97E-07	5.00E-01	0.00014%
Max	Aerial	Agricultural	Plane	Angler	1.05E-02	1.10E-01	1.00E-06	9.00E+02	1.04E-06	5.00E-01	0.00021%
Max	Aerial	Agricultural	Helicopter	Angler	1.03E-02	1.10E-01	1.00E-06	9.00E+02	1.02E-06	5.00E-01	0.00020%
Max	Aerial	Forestry	Plane	Angler	1.39E-02	1.10E-01	1.00E-06	9.00E+02	1.37E-06	5.00E-01	0.00027%
Max	Aerial	Forestry	Helicopter	Angler	1.13E-02	1.10E-01	1.00E-06	9.00E+02	1.12E-06	5.00E-01	0.00022%
Max	Ground	Both	Low Boom	Angler	9.47E-03	1.10E-01	1.00E-06	9.00E+02	9.38E-07	5.00E-01	0.00019%
Max	Ground	Both	High Boom	Angler	9.55E-03	1.10E-01	1.00E-06	9.00E+02	9.45E-07	5.00E-01	0.00019%
Typical	Aerial	Agricultural	Plane	N.American - child	7.16E-03	1.10E-01	1.00E-06	1.27E+04	9.98E-06	5.00E-01	0.00200%
Typical	Aerial	Agricultural	Helicopter	N.American - child	7.14E-03	1.10E-01	1.00E-06	1.27E+04	9.95E-06	5.00E-01	0.00199%
Typical	Aerial	Forestry	Plane	N.American - child	7.69E-03	1.10E-01	1.00E-06	1.27E+04	1.07E-05	5.00E-01	0.00214%
Typical	Aerial	Forestry	Helicopter	N.American - child	7.33E-03	1.10E-01	1.00E-06	1.27E+04	1.02E-05	5.00E-01	0.00204%
Typical	Ground	Both	Low Boom	N.American - child	7.03E-03	1.10E-01	1.00E-06	1.27E+04	9.79E-06	5.00E-01	0.00196%
Typical	Ground	Both	High Boom	N.American - child	7.04E-03	1.10E-01	1.00E-06	1.27E+04	9.81E-06	5.00E-01	0.00196%
Max	Aerial	Agricultural	Plane	N.American - child	1.05E-02	1.10E-01	1.00E-06	1.27E+04	1.46E-05	5.00E-01	0.00292%
Max	Aerial	Agricultural	Helicopter	N.American - child	1.03E-02	1.10E-01	1.00E-06	1.27E+04	1.44E-05	5.00E-01	0.00288%
Max	Aerial	Forestry	Plane	N.American - child	1.39E-02	1.10E-01	1.00E-06	1.27E+04	1.93E-05	5.00E-01	0.00387%
Max	Aerial	Forestry	Helicopter	N.American - child	1.13E-02	1.10E-01	1.00E-06	1.27E+04	1.58E-05	5.00E-01	0.00316%
Max	Ground	Both	Low Boom	N.American - child	9.47E-03	1.10E-01	1.00E-06	1.27E+04	1.32E-05	5.00E-01	0.00264%
Max	Ground	Both	High Boom	N.American - child	9.55E-03	1.10E-01	1.00E-06	1.27E+04	1.33E-05	5.00E-01	0.00266%
Typical	Aerial	Agricultural	Plane	N.American - adult	7.16E-03	1.10E-01	1.00E-06	1.26E+04	9.96E-06	5.00E-01	0.00199%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	7.14E-03	1.10E-01	1.00E-06	1.26E+04	9.93E-06	5.00E-01	0.00199%
Typical	Aerial	Forestry	Plane	N.American - adult	7.69E-03	1.10E-01	1.00E-06	1.26E+04	1.07E-05	5.00E-01	0.00214%
Typical	Aerial	Forestry	Helicopter	N.American - adult	7.33E-03	1.10E-01	1.00E-06	1.26E+04	1.02E-05	5.00E-01	0.00204%
Typical	Ground	Both	Low Boom	N.American - adult	7.03E-03	1.10E-01	1.00E-06	1.26E+04	9.77E-06	5.00E-01	0.00195%
Typical	Ground	Both	High Boom	N.American - adult	7.04E-03	1.10E-01	1.00E-06	1.26E+04	9.79E-06	5.00E-01	0.00196%
Max	Aerial	Agricultural	Plane	N.American - adult	1.05E-02	1.10E-01	1.00E-06	1.26E+04	1.46E-05	5.00E-01	0.00292%
Max	Aerial	Agricultural	Helicopter	N.American - adult	1.03E-02	1.10E-01	1.00E-06	1.26E+04	1.44E-05	5.00E-01	0.00288%
Max	Aerial	Forestry	Plane	N.American - adult	1.39E-02	1.10E-01	1.00E-06	1.26E+04	1.93E-05	5.00E-01	0.00386%
Max	Aerial	Forestry	Helicopter	N.American - adult	1.13E-02	1.10E-01	1.00E-06	1.26E+04	1.58E-05	5.00E-01	0.00315%
Max	Ground	Both	Low Boom	N.American - adult	9.47E-03	1.10E-01	1.00E-06	1.26E+04	1.32E-05	5.00E-01	0.00263%
Max	Ground	Both	High Boom	N.American - adult	9.55E-03	1.10E-01	1.00E-06	1.26E+04	1.33E-05	5.00E-01	0.00266%

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 - Long-Term Exposure
Pesticide: Imazapic
Program: Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term 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	9.88E-04	1.10E-01	1.00E-06	9.00E+02	9.78E-08	5.00E-01	0.00002%
Typical	Aerial	Agricultural	Helicopter	Angler	9.64E-04	1.10E-01	1.00E-06	9.00E+02	9.55E-08	5.00E-01	0.00002%
Typical	Aerial	Forestry	Plane	Angler	1.51E-03	1.10E-01	1.00E-06	9.00E+02	1.50E-07	5.00E-01	0.00003%
Typical	Aerial	Forestry	Helicopter	Angler	1.16E-03	1.10E-01	1.00E-06	9.00E+02	1.15E-07	5.00E-01	0.00002%
Typical	Ground	Both	Low Boom	Angler	8.54E-04	1.10E-01	1.00E-06	9.00E+02	8.45E-08	5.00E-01	0.000017%
Typical	Ground	Both	High Boom	Angler	8.67E-04	1.10E-01	1.00E-06	9.00E+02	8.58E-08	5.00E-01	0.00002%
Max	Aerial	Agricultural	Plane	Angler	6.25E-03	1.10E-01	1.00E-06	9.00E+02	6.19E-07	5.00E-01	0.00012%
Max	Aerial	Agricultural	Helicopter	Angler	6.10E-03	1.10E-01	1.00E-06	9.00E+02	6.04E-07	5.00E-01	0.00012%
Max	Aerial	Forestry	Plane	Angler	9.64E-03	1.10E-01	1.00E-06	9.00E+02	9.55E-07	5.00E-01	0.00019%
Max	Aerial	Forestry	Helicopter	Angler	7.09E-03	1.10E-01	1.00E-06	9.00E+02	7.02E-07	5.00E-01	0.00014%
Max	Ground	Both	Low Boom	Angler	5.23E-03	1.10E-01	1.00E-06	9.00E+02	5.18E-07	5.00E-01	0.00010%
Max	Ground	Both	High Boom	Angler	5.31E-03	1.10E-01	1.00E-06	9.00E+02	5.25E-07	5.00E-01	0.00011%
Typical	Aerial	Agricultural	Plane	N.American - child	9.88E-04	1.10E-01	1.00E-06	1.27E+04	1.38E-06	5.00E-01	0.00028%
Typical	Aerial	Agricultural	Helicopter	N.American - child	9.64E-04	1.10E-01	1.00E-06	1.27E+04	1.34E-06	5.00E-01	0.00027%
Typical	Aerial	Forestry	Plane	N.American - child	1.51E-03	1.10E-01	1.00E-06	1.27E+04	2.11E-06	5.00E-01	0.00042%
Typical	Aerial	Forestry	Helicopter	N.American - child	1.16E-03	1.10E-01	1.00E-06	1.27E+04	1.61E-06	5.00E-01	0.00032%
Typical	Ground	Both	Low Boom	N.American - child	8.54E-04	1.10E-01	1.00E-06	1.27E+04	1.19E-06	5.00E-01	0.00024%
Typical	Ground	Both	High Boom	N.American - child	8.67E-04	1.10E-01	1.00E-06	1.27E+04	1.21E-06	5.00E-01	0.00024%
Max	Aerial	Agricultural	Plane	N.American - child	6.25E-03	1.10E-01	1.00E-06	1.27E+04	8.71E-06	5.00E-01	0.00174%
Max	Aerial	Agricultural	Helicopter	N.American - child	6.10E-03	1.10E-01	1.00E-06	1.27E+04	8.50E-06	5.00E-01	0.00170%
Max	Aerial	Forestry	Plane	N.American - child	9.64E-03	1.10E-01	1.00E-06	1.27E+04	1.34E-05	5.00E-01	0.00269%
Max	Aerial	Forestry	Helicopter	N.American - child	7.09E-03	1.10E-01	1.00E-06	1.27E+04	9.88E-06	5.00E-01	0.00198%
Max	Ground	Both	Low Boom	N.American - child	5.23E-03	1.10E-01	1.00E-06	1.27E+04	7.29E-06	5.00E-01	0.00146%
Max	Ground	Both	High Boom	N.American - child	5.31E-03	1.10E-01	1.00E-06	1.27E+04	7.39E-06	5.00E-01	0.00148%
Typical	Aerial	Agricultural	Plane	N.American - adult	9.88E-04	1.10E-01	1.00E-06	1.26E+04	1.37E-06	5.00E-01	0.00027%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	9.64E-04	1.10E-01	1.00E-06	1.26E+04	1.34E-06	5.00E-01	0.00027%
Typical	Aerial	Forestry	Plane	N.American - adult	1.51E-03	1.10E-01	1.00E-06	1.26E+04	2.10E-06	5.00E-01	0.00042%
Typical	Aerial	Forestry	Helicopter	N.American - adult	1.16E-03	1.10E-01	1.00E-06	1.26E+04	1.61E-06	5.00E-01	0.00032%
Typical	Ground	Both	Low Boom	N.American - adult	8.54E-04	1.10E-01	1.00E-06	1.26E+04	1.19E-06	5.00E-01	0.00024%
Typical	Ground	Both	High Boom	N.American - adult	8.67E-04	1.10E-01	1.00E-06	1.26E+04	1.21E-06	5.00E-01	0.00024%
Max	Aerial	Agricultural	Plane	N.American - adult	6.25E-03	1.10E-01	1.00E-06	1.26E+04	8.69E-06	5.00E-01	0.00174%
Max	Aerial	Agricultural	Helicopter	N.American - adult	6.10E-03	1.10E-01	1.00E-06	1.26E+04	8.49E-06	5.00E-01	0.00170%
Max	Aerial	Forestry	Plane	N.American - adult	9.64E-03	1.10E-01	1.00E-06	1.26E+04	1.34E-05	5.00E-01	0.00268%
Max	Aerial	Forestry	Helicopter	N.American - adult	7.09E-03	1.10E-01	1.00E-06	1.26E+04	9.86E-06	5.00E-01	0.00197%
Max	Ground	Both	Low Boom	N.American - adult	5.23E-03	1.10E-01	1.00E-06	1.26E+04	7.27E-06	5.00E-01	0.00145%
Max	Ground	Both	High Boom	N.American - adult	5.31E-03	1.10E-01	1.00E-06	1.26E+04	7.38E-06	5.00E-01	0.00148%

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

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

Aggregrate Risk Indices - Routine Exposure Scenarios for Public Receptors

Herbicide: **Imazapic**

Programs: **Rangeland, Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural**

EIS HHRA

BLM

	Typical Application Rate Scenario ARIs (a)						Maximum Application Rate Scenario ARIs (a)					
AgDrift Scenario:	**Aerial**	**Aerial**	**Aerial**	**Aerial**	**Ground**	**Ground**	**Aerial**	**Aerial**	**Aerial**	**Aerial**	**Ground**	**Ground**
Land Type (d):	**Agricultural**	**Agricultural**	**Forestry**	**Forestry**	**NA**	**NA**	**Agricultural**	**Agricultural**	**Forestry**	**Forestry**	**NA**	**NA**
Equipment (e):	**Plane**	**Helicopter**	**Plane**	**Helicopter**	**Low Boom**	**High Boom**	**Plane**	**Helicopter**	**Plane**	**Helicopter**	**Low Boom**	**High Boom**
Intermediate-Term Exposure (b)												
Hiker/Hunter (Adult)	2,443	2,451	2,277	2,387	2,490	2,486	1,668	1,692	1,261	1,544	1,848	1,833
Berry Picker (Child)	1,002	1,011	834	912	1,058	1,050	566	640	338	445	763	739
Berry Picker (Adult)	2,212	2,248	1,632	1,863	2,441	2,406	1,036	1,292	529	725	1,697	1,599
Angler (Adult)	2,435	2,443	2,269	2,378	2,482	2,477	1,662	1,686	1,256	1,539	1,842	1,827
Residential (Child)	23,226	26,905	5,727	8,439	123,238	74,654	2,717	5,435	906	1,359	20,586	12,465
Residential (Adult)	23,371	27,073	5,763	8,492	124,008	75,120	2,734	5,469	911	1,367	20,715	12,543
Native American (Child)	1,832	1,858	1,400	1,579	1,994	1,970	905	1,099	481	653	1,402	1,333
Native American (Adult)	3,698	3,790	2,393	2,850	4,321	4,218	1,430	1,955	650	916	2,863	2,610
Swimmer (Child)	112,901	113,280	105,218	110,283	115,065	114,852	77,073	78,191	58,252	71,360	85,391	84,700
Swmmer (Adult)	377,138	378,406	351,473	368,394	384,366	383,657	257,458	261,192	194,586	238,374	285,243	282,936
Long-Term Exposure (c)												
Hiker/Hunter (Adult)	540	623	136	200	2,584	1,645	64	125	21	32	430	274
Berry Picker (Child)	320	369	81	119	1,475	955	38	74	13	19	245	159
Berry Picker (Adult)	508	587	128	188	2,446	1,553	60	117	20	30	407	259
Angler (Adult)	540	623	136	200	2,583	1,645	64	125	21	32	430	274
Residential (Child)	158	183	39	57	837	507	18.5	37	6.2	9.2	140	85
Residential (Adult)	262	304	65	95	1,391	843	30.7	61	10.2	15.3	232	141
Native American (Child)	316	365	79	116	1,555	977	37	73	12	19	259	163
Native American (Adult)	487	563	121	179	2,451	1,524	57	113	19	29	409	254
Swimmer (Child)	818,183	838,546	535,053	698,106	947,287	933,078	129,353	132,533	83,872	114,031	154,633	152,383
Swmmer (Adult)	2,733,089	2,801,108	1,787,309	2,331,980	3,164,352	3,116,885	432,096	442,719	280,169	380,914	516,541	509,026

Notes:

ARI - Aggregrate Risk Index. Values less than one represent a level of concern. ARIs less than one are highlighted.

NA - Not Applicable.

NC - Not Calculated. No dose-response values available.

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

(b) - Intermediate-term ARIs are based on incidental oral and dietary exposures only. No intermediate term dermal toxicity value available. Not toxic via this exposure.

(c) - Long-term ARIs are based on incidental oral, dermal, and dietary exposure pathways.

(d) - Land type is a parameter used in AgDRIFT o predict spray drift deposition rates.

(e) - Low and High Boom applies to a truck-mount or an All-Terrain Vehicle (ATV)-mount boom.