Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Spray Drift
Pesticide: Diquat
Program: Aquatic

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)
									Short	Short
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	4.10E-02	1.10E-03	6.43E+01	2.90E-03	1.00E+00	3.45E+02
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.10E-02	1.00E-03	6.43E+01	2.64E-03	1.00E+00	3.79E+02
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	4.10E-02	1.00E-04	6.43E+01	2.64E-04	1.00E+00	3.79E+03
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	4.10E-02	2.00E-04	6.43E+01	5.28E-04	1.00E+00	1.90E+03
Max	Aerial	Agricultural	Plane	Hiker/Hunter	4.10E-02	5.10E-03	6.43E+01	1.35E-02	1.00E+00	7.43E+01
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.10E-02	4.40E-03	6.43E+01	1.16E-02	1.00E+00	8.62E+01
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	4.10E-02	6.00E-04	6.43E+01	1.58E-03	1.00E+00	6.32E+02
Max	Ground	Agricultural	High Boom	Hiker/Hunter	4.10E-02	9.00E-04	6.43E+01	2.37E-03	1.00E+00	4.21E+02
Typical	Aerial	Agricultural	Plane	Berry - child	4.10E-02	1.10E-03	1.07E+02	4.83E-03	1.00E+00	2.07E+02
Typical	Aerial	Agricultural	Helicopter	Berry - child	4.10E-02	1.00E-03	1.07E+02	4.39E-03	1.00E+00	2.28E+02
Typical	Ground	Agricultural	Low Boom	Berry - child	4.10E-02	1.00E-04	1.07E+02	4.39E-04	1.00E+00	2.28E+03
Typical	Ground	Agricultural	High Boom	Berry - child	4.10E-02	2.00E-04	1.07E+02	8.78E-04	1.00E+00	1.14E+03
Max	Aerial	Agricultural	Plane	Berry - child	4.10E-02	5.10E-03	1.07E+02	2.24E-02	1.00E+00	4.46E+01
Max	Aerial	Agricultural	Helicopter	Berry - child	4.10E-02	4.40E-03	1.07E+02	1.93E-02	1.00E+00	5.17E+01
Max	Ground	Agricultural	Low Boom	Berry - child	4.10E-02	6.00E-04	1.07E+02	2.64E-03	1.00E+00	3.79E+02
Max	Ground	Agricultural	High Boom	Berry - child	4.10E-02	9.00E-04	1.07E+02	3.95E-03	1.00E+00	2.53E+02
Typical	Aerial	Agricultural	Plane	Berry - adult	4.10E-02	1.10E-03	6.43E+01	2.90E-03	1.00E+00	3.45E+02
Typical	Aerial	Agricultural	Helicopter	Berry - adult	4.10E-02	1.00E-03	6.43E+01	2.64E-03	1.00E+00	3.79E+02
Typical	Ground	Agricultural	Low Boom	Berry - adult	4.10E-02	1.00E-04	6.43E+01	2.64E-04	1.00E+00	3.79E+03
Typical	Ground	Agricultural	High Boom	Berry - adult	4.10E-02	2.00E-04	6.43E+01	5.28E-04	1.00E+00	1.90E+03
Max	Aerial	Agricultural	Plane	Berry - adult	4.10E-02	5.10E-03	6.43E+01	1.35E-02	1.00E+00	7.43E+01
Max	Aerial	Agricultural	Helicopter	Berry - adult	4.10E-02	4.40E-03	6.43E+01	1.16E-02	1.00E+00	8.62E+01
Max	Ground	Agricultural	Low Boom	Berry - adult	4.10E-02	6.00E-04	6.43E+01	1.58E-03	1.00E+00	6.32E+02
Max	Ground	Agricultural	High Boom	Berry - adult	4.10E-02	9.00E-04	6.43E+01	2.37E-03	1.00E+00	4.21E+02
Typical	Aerial	Agricultural	Plane	Angler	4.10E-02	1.10E-03	6.43E+01	2.90E-03	1.00E+00	3.45E+02
Typical	Aerial	Agricultural	Helicopter	Angler	4.10E-02	1.00E-03	6.43E+01	2.64E-03	1.00E+00	3.79E+02
Typical	Ground	Agricultural	Low Boom	Angler	4.10E-02	1.00E-04	6.43E+01	2.64E-04	1.00E+00	3.79E+03
Typical	Ground	Agricultural	High Boom	Angler	4.10E-02	2.00E-04	6.43E+01	5.28E-04	1.00E+00	1.90E+03
Max	Aerial	Agricultural	Plane	Angler	4.10E-02	5.10E-03	6.43E+01	1.35E-02	1.00E+00	7.43E+01
Max	Aerial	Agricultural	Helicopter	Angler	4.10E-02	4.40E-03	6.43E+01	1.16E-02	1.00E+00	8.62E+01
Max	Ground	Agricultural	Low Boom	Angler	4.10E-02	6.00E-04	6.43E+01	1.58E-03	1.00E+00	6.32E+02
Max	Ground	Agricultural	High Boom	Angler	4.10E-02	9.00E-04	6.43E+01	2.37E-03	1.00E+00	4.21E+02

Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Spray Drift
Pesticide: Diquat
Program: Aquatic

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) Short	MOE (unitless) Short
Typical	Aerial	Agricultural	Plane	Res-child	4.10E-02	1.10E-03	1.07E+02	4.83E-03	1.00E+00	2.07E+02
Typical	Aerial	Agricultural	Helicopter	Res-child	4.10E-02	1.00E-03	1.07E+02	4.39E-03	1.00E+00	2.28E+02
Typical	Ground	Agricultural	Low Boom	Res-child	4.10E-02	1.00E-04	1.07E+02	4.39E-04	1.00E+00	2.28E+03
Typical	Ground	Agricultural	High Boom	Res-child	4.10E-02	2.00E-04	1.07E+02	8.78E-04	1.00E+00	1.14E+03
Max	Aerial	Agricultural	Plane	Res-child	4.10E-02	5.10E-03	1.07E+02	2.24E-02	1.00E+00	4.46E+01
Max	Aerial	Agricultural	Helicopter	Res-child	4.10E-02	4.40E-03	1.07E+02	1.93E-02	1.00E+00	5.17E+01
Max	Ground	Agricultural	Low Boom	Res-child	4.10E-02	6.00E-04	1.07E+02	2.64E-03	1.00E+00	3.79E+02
Max	Ground	Agricultural	High Boom	Res-child	4.10E-02	9.00E-04	1.07E+02	3.95E-03	1.00E+00	2.53E+02
Typical	Aerial	Agricultural	Plane	Res-adult	4.10E-02	1.10E-03	6.43E+01	2.90E-03	1.00E+00	3.45E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	4.10E-02	1.00E-03	6.43E+01	2.64E-03	1.00E+00	3.79E+02
Typical	Ground	Agricultural	Low Boom	Res-adult	4.10E-02	1.00E-04	6.43E+01	2.64E-04	1.00E+00	3.79E+03
Typical	Ground	Agricultural	High Boom	Res-adult	4.10E-02	2.00E-04	6.43E+01	5.28E-04	1.00E+00	1.90E+03
Max	Aerial	Agricultural	Plane	Res-adult	4.10E-02	5.10E-03	6.43E+01	1.35E-02	1.00E+00	7.43E+01
Max	Aerial	Agricultural	Helicopter	Res-adult	4.10E-02	4.40E-03	6.43E+01	1.16E-02	1.00E+00	8.62E+01
Max	Ground	Agricultural	Low Boom	Res-adult	4.10E-02	6.00E-04	6.43E+01	1.58E-03	1.00E+00	6.32E+02
Max	Ground	Agricultural	High Boom	Res-adult	4.10E-02	9.00E-04	6.43E+01	2.37E-03	1.00E+00	4.21E+02
Typical	Aerial	Agricultural	Plane	N.A.-child	4.10E-02	1.10E-03	1.07E+02	4.83E-03	1.00E+00	2.07E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-child	4.10E-02	1.00E-03	1.07E+02	4.39E-03	1.00E+00	2.28E+02
Typical	Ground	Agricultural	Low Boom	N.A.-child	4.10E-02	1.00E-04	1.07E+02	4.39E-04	1.00E+00	2.28E+03
Typical	Ground	Agricultural	High Boom	N.A.-child	4.10E-02	2.00E-04	1.07E+02	8.78E-04	1.00E+00	1.14E+03
Max	Aerial	Agricultural	Plane	N.A.-child	4.10E-02	5.10E-03	1.07E+02	2.24E-02	1.00E+00	4.46E+01
Max	Aerial	Agricultural	Helicopter	N.A.-child	4.10E-02	4.40E-03	1.07E+02	1.93E-02	1.00E+00	5.17E+01
Max	Ground	Agricultural	Low Boom	N.A.-child	4.10E-02	6.00E-04	1.07E+02	2.64E-03	1.00E+00	3.79E+02
Max	Ground	Agricultural	High Boom	N.A.-child	4.10E-02	9.00E-04	1.07E+02	3.95E-03	1.00E+00	2.53E+02
Typical	Aerial	Agricultural	Plane	N.A.-adult	4.10E-02	1.10E-03	6.43E+01	2.90E-03	1.00E+00	3.45E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	4.10E-02	1.00E-03	6.43E+01	2.64E-03	1.00E+00	3.79E+02
Typical	Ground	Agricultural	Low Boom	N.A.-adult	4.10E-02	1.00E-04	6.43E+01	2.64E-04	1.00E+00	3.79E+03
Typical	Ground	Agricultural	High Boom	N.A.-adult	4.10E-02	2.00E-04	6.43E+01	5.28E-04	1.00E+00	1.90E+03
Max	Aerial	Agricultural	Plane	N.A.-adult	4.10E-02	5.10E-03	6.43E+01	1.35E-02	1.00E+00	7.43E+01
Max	Aerial	Agricultural	Helicopter	N.A.-adult	4.10E-02	4.40E-03	6.43E+01	1.16E-02	1.00E+00	8.62E+01
Max	Ground	Agricultural	Low Boom	N.A.-adult	4.10E-02	6.00E-04	6.43E+01	1.58E-03	1.00E+00	6.32E+02
Max	Ground	Agricultural	High Boom	N.A.-adult	4.10E-02	9.00E-04	6.43E+01	2.37E-03	1.00E+00	4.21E+02

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

Calculation Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Foliage
Pesticide: Diquat
Program: Aquatic

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)
											Short	Short
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	4.10E-02	1.10E-03	2.20E-04	2.86E+01	2.58E-04	1.00E+00	3.88E+03
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	4.10E-02	1.00E-03	2.00E-04	2.86E+01	2.34E-04	1.00E+00	4.27E+03
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	2.00E-01	4.10E-02	1.00E-04	2.00E-05	2.86E+01	2.34E-05	1.00E+00	4.27E+04
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	2.00E-01	4.10E-02	2.00E-04	4.00E-05	2.86E+01	4.69E-05	1.00E+00	2.13E+04
Max	Aerial	Agricultural	Plane	Hiker/Hunter	2.00E-01	4.10E-02	5.10E-03	1.02E-03	2.86E+01	1.19E-03	1.00E+00	8.37E+02
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	4.10E-02	4.40E-03	8.80E-04	2.86E+01	1.03E-03	1.00E+00	9.70E+02
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	2.00E-01	4.10E-02	6.00E-04	1.20E-04	2.86E+01	1.41E-04	1.00E+00	7.11E+03
Max	Ground	Agricultural	High Boom	Hiker/Hunter	2.00E-01	4.10E-02	9.00E-04	1.80E-04	2.86E+01	2.11E-04	1.00E+00	4.74E+03
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.10E-02	1.10E-03	2.20E-04	4.00E+01	3.61E-04	1.00E+00	2.77E+03
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.10E-02	1.00E-03	2.00E-04	4.00E+01	3.28E-04	1.00E+00	3.05E+03
Typical	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	4.10E-02	1.00E-04	2.00E-05	4.00E+01	3.28E-05	1.00E+00	3.05E+04
Typical	Ground	Agricultural	High Boom	Berry - child	2.00E-01	4.10E-02	2.00E-04	4.00E-05	4.00E+01	6.56E-05	1.00E+00	1.52E+04
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	4.10E-02	5.10E-03	1.02E-03	4.00E+01	1.67E-03	1.00E+00	5.98E+02
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.10E-02	4.40E-03	8.80E-04	4.00E+01	1.44E-03	1.00E+00	6.93E+02
Max	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	4.10E-02	6.00E-04	1.20E-04	4.00E+01	1.97E-04	1.00E+00	5.08E+03
Max	Ground	Agricultural	High Boom	Berry - child	2.00E-01	4.10E-02	9.00E-04	1.80E-04	4.00E+01	2.95E-04	1.00E+00	3.39E+03
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.10E-02	1.10E-03	2.20E-04	4.29E+01	3.87E-04	1.00E+00	2.59E+03
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.10E-02	1.00E-03	2.00E-04	4.29E+01	3.51E-04	1.00E+00	2.85E+03
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	4.10E-02	1.00E-04	2.00E-05	4.29E+01	3.51E-05	1.00E+00	2.85E+04
Typical	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	4.10E-02	2.00E-04	4.00E-05	4.29E+01	7.03E-05	1.00E+00	1.42E+04
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	4.10E-02	5.10E-03	1.02E-03	4.29E+01	1.79E-03	1.00E+00	5.58E+02
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.10E-02	4.40E-03	8.80E-04	4.29E+01	1.55E-03	1.00E+00	6.47E+02
Max	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	4.10E-02	6.00E-04	1.20E-04	4.29E+01	2.11E-04	1.00E+00	4.74E+03
Max	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	4.10E-02	9.00E-04	1.80E-04	4.29E+01	3.16E-04	1.00E+00	3.16E+03
Typical	Aerial	Agricultural	Plane	Angler	2.00E-01	4.10E-02	1.10E-03	2.20E-04	2.86E+01	2.58E-04	1.00E+00	3.88E+03
Typical	Aerial	Agricultural	Helicopter	Angler	2.00E-01	4.10E-02	1.00E-03	2.00E-04	2.86E+01	2.34E-04	1.00E+00	4.27E+03
Typical	Ground	Agricultural	Low Boom	Angler	2.00E-01	4.10E-02	1.00E-04	2.00E-05	2.86E+01	2.34E-05	1.00E+00	4.27E+04
Typical	Ground	Agricultural	High Boom	Angler	2.00E-01	4.10E-02	2.00E-04	4.00E-05	2.86E+01	4.69E-05	1.00E+00	2.13E+04
Max	Aerial	Agricultural	Plane	Angler	2.00E-01	4.10E-02	5.10E-03	1.02E-03	2.86E+01	1.19E-03	1.00E+00	8.37E+02
Max	Aerial	Agricultural	Helicopter	Angler	2.00E-01	4.10E-02	4.40E-03	8.80E-04	2.86E+01	1.03E-03	1.00E+00	9.70E+02
Max	Ground	Agricultural	Low Boom	Angler	2.00E-01	4.10E-02	6.00E-04	1.20E-04	2.86E+01	1.41E-04	1.00E+00	7.11E+03
Max	Ground	Agricultural	High Boom	Angler	2.00E-01	4.10E-02	9.00E-04	1.80E-04	2.86E+01	2.11E-04	1.00E+00	4.74E+03

Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Foliage
Pesticide: Diquat
Program: Aquatic

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) Short	MOE (unitless) Short
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.10E-02	1.10E-03	2.20E-04	6.93E+02	6.25E-03	1.00E+00	1.60E+02
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.10E-02	1.00E-03	2.00E-04	6.93E+02	5.69E-03	1.00E+00	1.76E+02
Typical	Ground	Agricultural	Low Boom	Res-child	2.00E-01	4.10E-02	1.00E-04	2.00E-05	6.93E+02	5.69E-04	1.00E+00	1.76E+03
Typical	Ground	Agricultural	High Boom	Res-child	2.00E-01	4.10E-02	2.00E-04	4.00E-05	6.93E+02	1.14E-03	1.00E+00	8.79E+02
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	4.10E-02	5.10E-03	1.02E-03	6.93E+02	2.90E-02	1.00E+00	3.45E+01
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.10E-02	4.40E-03	8.80E-04	6.93E+02	2.50E-02	1.00E+00	4.00E+01
Max	Ground	Agricultural	Low Boom	Res-child	2.00E-01	4.10E-02	6.00E-04	1.20E-04	6.93E+02	3.41E-03	1.00E+00	2.93E+02
Max	Ground	Agricultural	High Boom	Res-child	2.00E-01	4.10E-02	9.00E-04	1.80E-04	6.93E+02	5.12E-03	1.00E+00	1.95E+02
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.10E-02	1.10E-03	2.20E-04	4.14E+02	3.74E-03	1.00E+00	2.68E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.10E-02	1.00E-03	2.00E-04	4.14E+02	3.40E-03	1.00E+00	2.94E+02
Typical	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	4.10E-02	1.00E-04	2.00E-05	4.14E+02	3.40E-04	1.00E+00	2.94E+03
Typical	Ground	Agricultural	High Boom	Res-adult	2.00E-01	4.10E-02	2.00E-04	4.00E-05	4.14E+02	6.79E-04	1.00E+00	1.47E+03
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	4.10E-02	5.10E-03	1.02E-03	4.14E+02	1.73E-02	1.00E+00	5.77E+01
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.10E-02	4.40E-03	8.80E-04	4.14E+02	1.49E-02	1.00E+00	6.69E+01
Max	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	4.10E-02	6.00E-04	1.20E-04	4.14E+02	2.04E-03	1.00E+00	4.91E+02
Max	Ground	Agricultural	High Boom	Res-adult	2.00E-01	4.10E-02	9.00E-04	1.80E-04	4.14E+02	3.06E-03	1.00E+00	3.27E+02
Typical	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	4.10E-02	1.10E-03	2.20E-04	6.00E+01	5.41E-04	1.00E+00	1.85E+03
Typical	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	4.10E-02	1.00E-03	2.00E-04	6.00E+01	4.92E-04	1.00E+00	2.03E+03
Typical	Ground	Agricultural	Low Boom	N.A.-child	2.00E-01	4.10E-02	1.00E-04	2.00E-05	6.00E+01	4.92E-05	1.00E+00	2.03E+04
Typical	Ground	Agricultural	High Boom	N.A.-child	2.00E-01	4.10E-02	2.00E-04	4.00E-05	6.00E+01	9.84E-05	1.00E+00	1.02E+04
Max	Aerial	Agricultural	Plane	N.A.-child	2.00E-01	4.10E-02	5.10E-03	1.02E-03	6.00E+01	2.51E-03	1.00E+00	3.99E+02
Max	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	4.10E-02	4.40E-03	8.80E-04	6.00E+01	2.16E-03	1.00E+00	4.62E+02
Max	Ground	Agricultural	Low Boom	N.A.-child	2.00E-01	4.10E-02	6.00E-04	1.20E-04	6.00E+01	2.95E-04	1.00E+00	3.39E+03
Max	Ground	Agricultural	High Boom	N.A.-child	2.00E-01	4.10E-02	9.00E-04	1.80E-04	6.00E+01	4.43E-04	1.00E+00	2.26E+03
Typical	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	4.10E-02	1.10E-03	2.20E-04	6.43E+01	5.80E-04	1.00E+00	1.72E+03
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	4.10E-02	1.00E-03	2.00E-04	6.43E+01	5.27E-04	1.00E+00	1.90E+03
Typical	Ground	Agricultural	Low Boom	N.A.-adult	2.00E-01	4.10E-02	1.00E-04	2.00E-05	6.43E+01	5.27E-05	1.00E+00	1.90E+04
Typical	Ground	Agricultural	High Boom	N.A.-adult	2.00E-01	4.10E-02	2.00E-04	4.00E-05	6.43E+01	1.05E-04	1.00E+00	9.49E+03
Max	Aerial	Agricultural	Plane	N.A.-adult	2.00E-01	4.10E-02	5.10E-03	1.02E-03	6.43E+01	2.69E-03	1.00E+00	3.72E+02
Max	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	4.10E-02	4.40E-03	8.80E-04	6.43E+01	2.32E-03	1.00E+00	4.31E+02
Max	Ground	Agricultural	Low Boom	N.A.-adult	2.00E-01	4.10E-02	6.00E-04	1.20E-04	6.43E+01	3.16E-04	1.00E+00	3.16E+03
Max	Ground	Agricultural	High Boom	N.A.-adult	2.00E-01	4.10E-02	9.00E-04	1.80E-04	6.43E+01	4.74E-04	1.00E+00	2.11E+03

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

Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Berries
Pesticide: Diquat
Program: Aquatic

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) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Plane	Berry - child	2.00E-01	1.10E-03	4.60E+00	1.01E-03	7.50E-01	0.1349%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	1.00E-03	4.60E+00	9.20E-04	7.50E-01	0.1227%
Typical	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	7.50E-01	0.0123%
Typical	Ground	Agricultural	High Boom	Berry - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	7.50E-01	0.0245%
Max	Aerial	Agricultural	Plane	Berry - child	2.00E-01	5.10E-03	4.60E+00	4.69E-03	7.50E-01	0.6256%
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	4.40E-03	4.60E+00	4.05E-03	7.50E-01	0.5397%
Max	Ground	Agricultural	Low Boom	Berry - child	2.00E-01	6.00E-04	4.60E+00	5.52E-04	7.50E-01	0.0736%
Max	Ground	Agricultural	High Boom	Berry - child	2.00E-01	9.00E-04	4.60E+00	8.28E-04	7.50E-01	0.1104%
Typical	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	1.10E-03	4.57E+00	1.01E-03	7.50E-01	0.1341%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	1.00E-03	4.57E+00	9.14E-04	7.50E-01	0.1219%
Typical	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	7.50E-01	0.0122%
Typical	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	7.50E-01	0.0244%
Max	Aerial	Agricultural	Plane	Berry - adult	2.00E-01	5.10E-03	4.57E+00	4.66E-03	7.50E-01	0.6217%
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	4.40E-03	4.57E+00	4.02E-03	7.50E-01	0.5364%
Max	Ground	Agricultural	Low Boom	Berry - adult	2.00E-01	6.00E-04	4.57E+00	5.49E-04	7.50E-01	0.0731%
Max	Ground	Agricultural	High Boom	Berry - adult	2.00E-01	9.00E-04	4.57E+00	8.23E-04	7.50E-01	0.1097%
Typical	Aerial	Agricultural	Plane	Res-child	2.00E-01	1.10E-03	4.60E+00	1.01E-03	7.50E-01	0.1349%
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	1.00E-03	4.60E+00	9.20E-04	7.50E-01	0.1227%
Typical	Ground	Agricultural	Low Boom	Res-child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	7.50E-01	0.0123%
Typical	Ground	Agricultural	High Boom	Res-child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	7.50E-01	0.0245%
Max	Aerial	Agricultural	Plane	Res-child	2.00E-01	5.10E-03	4.60E+00	4.69E-03	7.50E-01	0.6256%
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	4.40E-03	4.60E+00	4.05E-03	7.50E-01	0.5397%
Max	Ground	Agricultural	Low Boom	Res-child	2.00E-01	6.00E-04	4.60E+00	5.52E-04	7.50E-01	0.0736%
Max	Ground	Agricultural	High Boom	Res-child	2.00E-01	9.00E-04	4.60E+00	8.28E-04	7.50E-01	0.1104%
Typical	Aerial	Agricultural	Plane	Res-adult	2.00E-01	1.10E-03	4.57E+00	1.01E-03	7.50E-01	0.1341%
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	1.00E-03	4.57E+00	9.14E-04	7.50E-01	0.1219%
Typical	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	7.50E-01	0.0122%
Typical	Ground	Agricultural	High Boom	Res-adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	7.50E-01	0.0244%
Max	Aerial	Agricultural	Plane	Res-adult	2.00E-01	5.10E-03	4.57E+00	4.66E-03	7.50E-01	0.6217%
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	4.40E-03	4.57E+00	4.02E-03	7.50E-01	0.5364%
Max	Ground	Agricultural	Low Boom	Res-adult	2.00E-01	6.00E-04	4.57E+00	5.49E-04	7.50E-01	0.0731%
Max	Ground	Agricultural	High Boom	Res-adult	2.00E-01	9.00E-04	4.57E+00	8.23E-04	7.50E-01	0.1097%

Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Berries
Pesticide: Diquat
Program: Aquatic

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) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Plane	N.American - child	2.00E-01	1.10E-03	4.60E+00	1.01E-03	7.50E-01	0.1349%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	1.00E-03	4.60E+00	9.20E-04	7.50E-01	0.1227%
Typical	Ground	Agricultural	Low Boom	N.American - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	7.50E-01	0.0123%
Typical	Ground	Agricultural	High Boom	N.American - child	2.00E-01	2.00E-04	4.60E+00	1.84E-04	7.50E-01	0.0245%
Max	Aerial	Agricultural	Plane	N.American - child	2.00E-01	5.10E-03	4.60E+00	4.69E-03	7.50E-01	0.6256%
Max	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	4.40E-03	4.60E+00	4.05E-03	7.50E-01	0.5397%
Max	Ground	Agricultural	Low Boom	N.American - child	2.00E-01	6.00E-04	4.60E+00	5.52E-04	7.50E-01	0.0736%
Max	Ground	Agricultural	High Boom	N.American - child	2.00E-01	9.00E-04	4.60E+00	8.28E-04	7.50E-01	0.1104%
Typical	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	1.10E-03	4.57E+00	1.01E-03	7.50E-01	0.1341%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	1.00E-03	4.57E+00	9.14E-04	7.50E-01	0.1219%
Typical	Ground	Agricultural	Low Boom	N.American - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	7.50E-01	0.0122%
Typical	Ground	Agricultural	High Boom	N.American - adult	2.00E-01	2.00E-04	4.57E+00	1.83E-04	7.50E-01	0.0244%
Max	Aerial	Agricultural	Plane	N.American - adult	2.00E-01	5.10E-03	4.57E+00	4.66E-03	7.50E-01	0.6217%
Max	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	4.40E-03	4.57E+00	4.02E-03	7.50E-01	0.5364%
Max	Ground	Agricultural	Low Boom	N.American - adult	2.00E-01	6.00E-04	4.57E+00	5.49E-04	7.50E-01	0.0731%
Max	Ground	Agricultural	High Boom	N.American - adult	2.00E-01	9.00E-04	4.57E+00	8.23E-04	7.50E-01	0.1097%

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

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

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty 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	MOE (unitless) Short
Typical	Aerial	Agricultural	Plane	Swimmer-child	7.77E-08	8.08E-03	1.00E-03	4.40E+02	2.76E-10	1.00E+00	3.62E+09
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	7.77E-08	6.82E-03	1.00E-03	4.40E+02	2.33E-10	1.00E+00	4.29E+09
Typical	Ground	Agricultural	Low Boom	Swimmer-child	7.77E-08	6.82E-04	1.00E-03	4.40E+02	2.33E-11	1.00E+00	4.29E+10
Typical	Ground	Agricultural	High Boom	Swimmer-child	7.77E-08	1.09E-03	1.00E-03	4.40E+02	3.73E-11	1.00E+00	2.68E+10
Max	Aerial	Agricultural	Plane	Swimmer-child	7.77E-08	3.89E-02	1.00E-03	4.40E+02	1.33E-09	1.00E+00	7.52E+08
Max	Aerial	Agricultural	Helicopter	Swimmer-child	7.77E-08	3.23E-02	1.00E-03	4.40E+02	1.10E-09	1.00E+00	9.06E+08
Max	Ground	Agricultural	Low Boom	Swimmer-child	7.77E-08	2.73E-03	1.00E-03	4.40E+02	9.33E-11	1.00E+00	1.07E+10
Max	Ground	Agricultural	High Boom	Swimmer-child	7.77E-08	4.38E-03	1.00E-03	4.40E+02	1.50E-10	1.00E+00	6.68E+09
Typical	Aerial	Agricultural	Plane	Swimmer-adult	7.77E-08	8.08E-03	1.00E-03	2.57E+02	1.61E-10	1.00E+00	6.19E+09
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	7.77E-08	6.82E-03	1.00E-03	2.57E+02	1.36E-10	1.00E+00	7.34E+09
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	7.77E-08	6.82E-04	1.00E-03	2.57E+02	1.36E-11	1.00E+00	7.34E+10
Typical	Ground	Agricultural	High Boom	Swimmer-adult	7.77E-08	1.09E-03	1.00E-03	2.57E+02	2.18E-11	1.00E+00	4.59E+10
Max	Aerial	Agricultural	Plane	Swimmer-adult	7.77E-08	3.89E-02	1.00E-03	2.57E+02	7.77E-10	1.00E+00	1.29E+09
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	7.77E-08	3.23E-02	1.00E-03	2.57E+02	6.45E-10	1.00E+00	1.55E+09
Max	Ground	Agricultural	Low Boom	Swimmer-adult	7.77E-08	2.73E-03	1.00E-03	2.57E+02	5.45E-11	1.00E+00	1.83E+10
Max	Ground	Agricultural	High Boom	Swimmer-adult	7.77E-08	4.38E-03	1.00E-03	2.57E+02	8.75E-11	1.00E+00	1.14E+10
Typical	Aerial	Agricultural	Plane	N.American-child	7.77E-08	8.08E-03	1.00E-03	1.14E+03	7.18E-10	1.00E+00	1.39E+09
Typical	Aerial	Agricultural	Helicopter	N.American-child	7.77E-08	6.82E-03	1.00E-03	1.14E+03	6.06E-10	1.00E+00	1.65E+09
Typical	Ground	Agricultural	Low Boom	N.American-child	7.77E-08	6.82E-04	1.00E-03	1.14E+03	6.06E-11	1.00E+00	1.65E+10
Typical	Ground	Agricultural	High Boom	N.American-child	7.77E-08	1.09E-03	1.00E-03	1.14E+03	9.69E-11	1.00E+00	1.03E+10
Max	Aerial	Agricultural	Plane	N.American-child	7.77E-08	3.89E-02	1.00E-03	1.14E+03	3.46E-09	1.00E+00	2.89E+08
Max	Aerial	Agricultural	Helicopter	N.American-child	7.77E-08	3.23E-02	1.00E-03	1.14E+03	2.87E-09	1.00E+00	3.48E+08
Max	Ground	Agricultural	Low Boom	N.American-child	7.77E-08	2.73E-03	1.00E-03	1.14E+03	2.43E-10	1.00E+00	4.12E+09
Max	Ground	Agricultural	High Boom	N.American-child	7.77E-08	4.38E-03	1.00E-03	1.14E+03	3.89E-10	1.00E+00	2.57E+09
Typical	Aerial	Agricultural	Plane	N.American-adult	7.77E-08	8.08E-03	1.00E-03	6.69E+02	4.20E-10	1.00E+00	2.38E+09
Typical	Aerial	Agricultural	Helicopter	N.American-adult	7.77E-08	6.82E-03	1.00E-03	6.69E+02	3.54E-10	1.00E+00	2.82E+09
Typical	Ground	Agricultural	Low Boom	N.American-adult	7.77E-08	6.82E-04	1.00E-03	6.69E+02	3.54E-11	1.00E+00	2.82E+10
Typical	Ground	Agricultural	High Boom	N.American-adult	7.77E-08	1.09E-03	1.00E-03	6.69E+02	5.66E-11	1.00E+00	1.77E+10
Max	Aerial	Agricultural	Plane	N.American-adult	7.77E-08	3.89E-02	1.00E-03	6.69E+02	2.02E-09	1.00E+00	4.95E+08
Max	Aerial	Agricultural	Helicopter	N.American-adult	7.77E-08	3.23E-02	1.00E-03	6.69E+02	1.68E-09	1.00E+00	5.96E+08
Max	Ground	Agricultural	Low Boom	N.American-adult	7.77E-08	2.73E-03	1.00E-03	6.69E+02	1.42E-10	1.00E+00	7.05E+09
Max	Ground	Agricultural	High Boom	N.American-adult	7.77E-08	4.38E-03	1.00E-03	6.69E+02	2.28E-10	1.00E+00	4.40E+09

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Incidental Ingestion of Water while Swimming
Pesticide: Diquat
Program: Aquatic

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Incidental Ingestion	
								Oral NOAEL (mg/kg-day) Short	MOE (unitless) Short
Typical	Aerial	Agricultural	Plane	Swimmer-child	8.08E-03	3.33E-03	2.69E-05	1.00E+00	3.71E+04
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	6.82E-03	3.33E-03	2.27E-05	1.00E+00	4.40E+04
Typical	Ground	Agricultural	Low Boom	Swimmer-child	6.82E-04	3.33E-03	2.27E-06	1.00E+00	4.40E+05
Typical	Ground	Agricultural	High Boom	Swimmer-child	1.09E-03	3.33E-03	3.63E-06	1.00E+00	2.75E+05
Max	Aerial	Agricultural	Plane	Swimmer-child	3.89E-02	3.33E-03	1.30E-04	1.00E+00	7.71E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	3.23E-02	3.33E-03	1.08E-04	1.00E+00	9.29E+03
Max	Ground	Agricultural	Low Boom	Swimmer-child	2.73E-03	3.33E-03	9.10E-06	1.00E+00	1.10E+05
Max	Ground	Agricultural	High Boom	Swimmer-child	4.38E-03	3.33E-03	1.46E-05	1.00E+00	6.85E+04
Typical	Aerial	Agricultural	Plane	Swimmer-adult	8.08E-03	7.14E-04	5.77E-06	1.00E+00	1.73E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	6.82E-03	7.14E-04	4.87E-06	1.00E+00	2.05E+05
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	6.82E-04	7.14E-04	4.87E-07	1.00E+00	2.05E+06
Typical	Ground	Agricultural	High Boom	Swimmer-adult	1.09E-03	7.14E-04	7.79E-07	1.00E+00	1.28E+06
Max	Aerial	Agricultural	Plane	Swimmer-adult	3.89E-02	7.14E-04	2.78E-05	1.00E+00	3.60E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	3.23E-02	7.14E-04	2.31E-05	1.00E+00	4.33E+04
Max	Ground	Agricultural	Low Boom	Swimmer-adult	2.73E-03	7.14E-04	1.95E-06	1.00E+00	5.13E+05
Max	Ground	Agricultural	High Boom	Swimmer-adult	4.38E-03	7.14E-04	3.13E-06	1.00E+00	3.20E+05

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion
Pesticide: Diquat
Program: Aquatic

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) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	8.08E-03	2.86E-02	2.31E-04	7.50E-01	0.0308%
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	6.82E-03	2.86E-02	1.95E-04	7.50E-01	0.0260%
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	6.82E-04	2.86E-02	1.95E-05	7.50E-01	0.0026%
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	1.09E-03	2.86E-02	3.11E-05	7.50E-01	0.0042%
Max	Aerial	Agricultural	Plane	Hiker/Hunter	3.89E-02	2.86E-02	1.11E-03	7.50E-01	0.1482%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	3.23E-02	2.86E-02	9.23E-04	7.50E-01	0.1230%
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	2.73E-03	2.86E-02	7.80E-05	7.50E-01	0.0104%
Max	Ground	Agricultural	High Boom	Hiker/Hunter	4.38E-03	2.86E-02	1.25E-04	7.50E-01	0.0167%
Typical	Aerial	Agricultural	Plane	Berry - child	8.08E-03	6.67E-02	5.39E-04	7.50E-01	0.0718%
Typical	Aerial	Agricultural	Helicopter	Berry - child	6.82E-03	6.67E-02	4.55E-04	7.50E-01	0.0606%
Typical	Ground	Agricultural	Low Boom	Berry - child	6.82E-04	6.67E-02	4.55E-05	7.50E-01	0.0061%
Typical	Ground	Agricultural	High Boom	Berry - child	1.09E-03	6.67E-02	7.27E-05	7.50E-01	0.0097%
Max	Aerial	Agricultural	Plane	Berry - child	3.89E-02	6.67E-02	2.59E-03	7.50E-01	0.3458%
Max	Aerial	Agricultural	Helicopter	Berry - child	3.23E-02	6.67E-02	2.15E-03	7.50E-01	0.2871%
Max	Ground	Agricultural	Low Boom	Berry - child	2.73E-03	6.67E-02	1.82E-04	7.50E-01	0.0243%
Max	Ground	Agricultural	High Boom	Berry - child	4.38E-03	6.67E-02	2.92E-04	7.50E-01	0.0389%
Typical	Aerial	Agricultural	Plane	Berry - adult	8.08E-03	2.86E-02	2.31E-04	7.50E-01	0.0308%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	6.82E-03	2.86E-02	1.95E-04	7.50E-01	0.0260%
Typical	Ground	Agricultural	Low Boom	Berry - adult	6.82E-04	2.86E-02	1.95E-05	7.50E-01	0.0026%
Typical	Ground	Agricultural	High Boom	Berry - adult	1.09E-03	2.86E-02	3.11E-05	7.50E-01	0.0042%
Max	Aerial	Agricultural	Plane	Berry - adult	3.89E-02	2.86E-02	1.11E-03	7.50E-01	0.1482%
Max	Aerial	Agricultural	Helicopter	Berry - adult	3.23E-02	2.86E-02	9.23E-04	7.50E-01	0.1230%
Max	Ground	Agricultural	Low Boom	Berry - adult	2.73E-03	2.86E-02	7.80E-05	7.50E-01	0.0104%
Max	Ground	Agricultural	High Boom	Berry - adult	4.38E-03	2.86E-02	1.25E-04	7.50E-01	0.0167%
Typical	Aerial	Agricultural	Plane	Angler	8.08E-03	2.86E-02	2.31E-04	7.50E-01	0.0308%
Typical	Aerial	Agricultural	Helicopter	Angler	6.82E-03	2.86E-02	1.95E-04	7.50E-01	0.0260%
Typical	Ground	Agricultural	Low Boom	Angler	6.82E-04	2.86E-02	1.95E-05	7.50E-01	0.0026%
Typical	Ground	Agricultural	High Boom	Angler	1.09E-03	2.86E-02	3.11E-05	7.50E-01	0.0042%
Max	Aerial	Agricultural	Plane	Angler	3.89E-02	2.86E-02	1.11E-03	7.50E-01	0.1482%
Max	Aerial	Agricultural	Helicopter	Angler	3.23E-02	2.86E-02	9.23E-04	7.50E-01	0.1230%
Max	Ground	Agricultural	Low Boom	Angler	2.73E-03	2.86E-02	7.80E-05	7.50E-01	0.0104%
Max	Ground	Agricultural	High Boom	Angler	4.38E-03	2.86E-02	1.25E-04	7.50E-01	0.0167%

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion
Pesticide: Diquat
Program: Aquatic

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) Acute	Drinking Water %PAD (unitless) Acute
Typical	Aerial	Agricultural	Plane	N.American - child	8.08E-03	3.33E-02	2.69E-04	7.50E-01	0.0359%
Typical	Aerial	Agricultural	Helicopter	N.American - child	6.82E-03	3.33E-02	2.27E-04	7.50E-01	0.0303%
Typical	Ground	Agricultural	Low Boom	N.American - child	6.82E-04	3.33E-02	2.27E-05	7.50E-01	0.0030%
Typical	Ground	Agricultural	High Boom	N.American - child	1.09E-03	3.33E-02	3.63E-05	7.50E-01	0.0048%
Max	Aerial	Agricultural	Plane	N.American - child	3.89E-02	3.33E-02	1.30E-03	7.50E-01	0.1729%
Max	Aerial	Agricultural	Helicopter	N.American - child	3.23E-02	3.33E-02	1.08E-03	7.50E-01	0.1436%
Max	Ground	Agricultural	Low Boom	N.American - child	2.73E-03	3.33E-02	9.10E-05	7.50E-01	0.0121%
Max	Ground	Agricultural	High Boom	N.American - child	4.38E-03	3.33E-02	1.46E-04	7.50E-01	0.0195%
Typical	Aerial	Agricultural	Plane	N.American - adult	8.08E-03	1.43E-02	1.15E-04	7.50E-01	0.0154%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	6.82E-03	1.43E-02	9.74E-05	7.50E-01	0.0130%
Typical	Ground	Agricultural	Low Boom	N.American - adult	6.82E-04	1.43E-02	9.74E-06	7.50E-01	0.0013%
Typical	Ground	Agricultural	High Boom	N.American - adult	1.09E-03	1.43E-02	1.56E-05	7.50E-01	0.0021%
Max	Aerial	Agricultural	Plane	N.American - adult	3.89E-02	1.43E-02	5.56E-04	7.50E-01	0.0741%
Max	Aerial	Agricultural	Helicopter	N.American - adult	3.23E-02	1.43E-02	4.61E-04	7.50E-01	0.0615%
Max	Ground	Agricultural	Low Boom	N.American - adult	2.73E-03	1.43E-02	3.90E-05	7.50E-01	0.0052%
Max	Ground	Agricultural	High Boom	N.American - adult	4.38E-03	1.43E-02	6.26E-05	7.50E-01	0.0083%

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

Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Fish
Pesticide: Diquat
Program: Aquatic

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) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Plane	Angler	8.08E-03	1.03E+00	1.00E-06	9.00E+02	7.49E-06	7.50E-01	0.00100%
Typical	Aerial	Agricultural	Helicopter	Angler	6.82E-03	1.03E+00	1.00E-06	9.00E+02	6.32E-06	7.50E-01	0.00084%
Typical	Ground	Agricultural	Low Boom	Angler	6.82E-04	1.03E+00	1.00E-06	9.00E+02	6.32E-07	7.50E-01	0.00008%
Typical	Ground	Agricultural	High Boom	Angler	1.09E-03	1.03E+00	1.00E-06	9.00E+02	1.01E-06	7.50E-01	0.00013%
Max	Aerial	Agricultural	Plane	Angler	3.89E-02	1.03E+00	1.00E-06	9.00E+02	3.61E-05	7.50E-01	0.00481%
Max	Aerial	Agricultural	Helicopter	Angler	3.23E-02	1.03E+00	1.00E-06	9.00E+02	2.99E-05	7.50E-01	0.00399%
Max	Ground	Agricultural	Low Boom	Angler	2.73E-03	1.03E+00	1.00E-06	9.00E+02	2.53E-06	7.50E-01	0.00034%
Max	Ground	Agricultural	High Boom	Angler	4.38E-03	1.03E+00	1.00E-06	9.00E+02	4.06E-06	7.50E-01	0.00054%
Typical	Aerial	Agricultural	Plane	N.American - child	8.08E-03	1.03E+00	1.00E-06	1.27E+04	1.05E-04	7.50E-01	0.01406%
Typical	Aerial	Agricultural	Helicopter	N.American - child	6.82E-03	1.03E+00	1.00E-06	1.27E+04	8.90E-05	7.50E-01	0.01186%
Typical	Ground	Agricultural	Low Boom	N.American - child	6.82E-04	1.03E+00	1.00E-06	1.27E+04	8.90E-06	7.50E-01	0.00119%
Typical	Ground	Agricultural	High Boom	N.American - child	1.09E-03	1.03E+00	1.00E-06	1.27E+04	1.42E-05	7.50E-01	0.00190%
Max	Aerial	Agricultural	Plane	N.American - child	3.89E-02	1.03E+00	1.00E-06	1.27E+04	5.08E-04	7.50E-01	0.06767%
Max	Aerial	Agricultural	Helicopter	N.American - child	3.23E-02	1.03E+00	1.00E-06	1.27E+04	4.21E-04	7.50E-01	0.05619%
Max	Ground	Agricultural	Low Boom	N.American - child	2.73E-03	1.03E+00	1.00E-06	1.27E+04	3.56E-05	7.50E-01	0.00475%
Max	Ground	Agricultural	High Boom	N.American - child	4.38E-03	1.03E+00	1.00E-06	1.27E+04	5.71E-05	7.50E-01	0.00762%
Typical	Aerial	Agricultural	Plane	N.American - adult	8.08E-03	1.03E+00	1.00E-06	1.26E+04	1.05E-04	7.50E-01	0.01403%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	6.82E-03	1.03E+00	1.00E-06	1.26E+04	8.88E-05	7.50E-01	0.01184%
Typical	Ground	Agricultural	Low Boom	N.American - adult	6.82E-04	1.03E+00	1.00E-06	1.26E+04	8.88E-06	7.50E-01	0.00118%
Typical	Ground	Agricultural	High Boom	N.American - adult	1.09E-03	1.03E+00	1.00E-06	1.26E+04	1.42E-05	7.50E-01	0.00189%
Max	Aerial	Agricultural	Plane	N.American - adult	3.89E-02	1.03E+00	1.00E-06	1.26E+04	5.07E-04	7.50E-01	0.06754%
Max	Aerial	Agricultural	Helicopter	N.American - adult	3.23E-02	1.03E+00	1.00E-06	1.26E+04	4.21E-04	7.50E-01	0.05608%
Max	Ground	Agricultural	Low Boom	N.American - adult	2.73E-03	1.03E+00	1.00E-06	1.26E+04	3.56E-05	7.50E-01	0.00474%
Max	Ground	Agricultural	High Boom	N.American - adult	4.38E-03	1.03E+00	1.00E-06	1.26E+04	5.70E-05	7.50E-01	0.00760%

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

Calculation: Aggregrate Risk Index - Short Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Diquat
Program: Aquatic

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Dermal Exposure Pathways		Dietary Exposure Pathways			Short-Term Aggregate Risk Index
						Short-Term Dermal		Acute	Acute	Acute	
						Drift MOE	Foliage MOE	Water %PAD	Berries %PAD	Fish %PAD	
Typical	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	3.45E+02	3.88E+03	3.08E-04	--	--	3.16E+00
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	3.79E+02	4.27E+03	2.60E-04	--	--	3.48E+00
Typical	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	3.79E+03	4.27E+04	2.60E-05	--	--	3.48E+01
Typical	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	1.90E+03	2.13E+04	4.15E-05	--	--	1.74E+01
Max	Aerial	Agricultural	Plane	Hiker/Hunter	1.00E+02	7.43E+01	8.37E+02	1.48E-03	--	--	**6.82E-01**
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	8.62E+01	9.70E+02	1.23E-03	--	--	**7.91E-01**
Max	Ground	Agricultural	Low Boom	Hiker/Hunter	1.00E+02	6.32E+02	7.11E+03	1.04E-04	--	--	5.80E+00
Max	Ground	Agricultural	High Boom	Hiker/Hunter	1.00E+02	4.21E+02	4.74E+03	1.67E-04	--	--	3.87E+00
Typical	Aerial	Agricultural	Plane	Berry - child	1.00E+02	2.07E+02	2.77E+03	7.18E-04	1.35E-03	--	1.92E+00
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	2.28E+02	3.05E+03	6.06E-04	1.23E-03	--	2.11E+00
Typical	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	2.28E+03	3.05E+04	6.06E-05	1.23E-04	--	2.11E+01
Typical	Ground	Agricultural	High Boom	Berry - child	1.00E+02	1.14E+03	1.52E+04	9.69E-05	2.45E-04	--	1.06E+01
Max	Aerial	Agricultural	Plane	Berry - child	1.00E+02	4.46E+01	5.98E+02	3.46E-03	6.26E-03	--	**4.14E-01**
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	5.17E+01	6.93E+02	2.87E-03	5.40E-03	--	**4.80E-01**
Max	Ground	Agricultural	Low Boom	Berry - child	1.00E+02	3.79E+02	5.08E+03	2.43E-04	7.36E-04	--	3.52E+00
Max	Ground	Agricultural	High Boom	Berry - child	1.00E+02	2.53E+02	3.39E+03	3.89E-04	1.10E-03	--	2.35E+00
Typical	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	3.45E+02	2.59E+03	3.08E-04	1.34E-03	--	3.03E+00
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	3.79E+02	2.85E+03	2.60E-04	1.22E-03	--	3.33E+00
Typical	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	3.79E+03	2.85E+04	2.60E-05	1.22E-04	--	3.33E+01
Typical	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	1.90E+03	1.42E+04	4.15E-05	2.44E-04	--	1.66E+01
Max	Aerial	Agricultural	Plane	Berry - adult	1.00E+02	7.43E+01	5.58E+02	1.48E-03	6.22E-03	--	**6.53E-01**
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	8.62E+01	6.47E+02	1.23E-03	5.36E-03	--	**7.57E-01**
Max	Ground	Agricultural	Low Boom	Berry - adult	1.00E+02	6.32E+02	4.74E+03	1.04E-04	7.31E-04	--	5.55E+00
Max	Ground	Agricultural	High Boom	Berry - adult	1.00E+02	4.21E+02	3.16E+03	1.67E-04	1.10E-03	--	3.70E+00
Typical	Aerial	Agricultural	Plane	Angler	1.00E+02	3.45E+02	3.88E+03	3.08E-04	--	9.99E-06	3.16E+00
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	3.79E+02	4.27E+03	2.60E-04	--	8.43E-06	3.48E+00
Typical	Ground	Agricultural	Low Boom	Angler	1.00E+02	3.79E+03	4.27E+04	2.60E-05	--	8.43E-07	3.48E+01
Typical	Ground	Agricultural	High Boom	Angler	1.00E+02	1.90E+03	2.13E+04	4.15E-05	--	1.35E-06	1.74E+01
Max	Aerial	Agricultural	Plane	Angler	1.00E+02	7.43E+01	8.37E+02	1.48E-03	--	4.81E-05	**6.82E-01**
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	8.62E+01	9.70E+02	1.23E-03	--	3.99E-05	**7.91E-01**
Max	Ground	Agricultural	Low Boom	Angler	1.00E+02	6.32E+02	7.11E+03	1.04E-04	--	3.37E-06	5.80E+00
Max	Ground	Agricultural	High Boom	Angler	1.00E+02	4.21E+02	4.74E+03	1.67E-04	--	5.41E-06	3.87E+00

Calculation: Aggregrate Risk Index - Short Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Diquat
Program: Aquatic

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Dermal Exposure Pathways		Dietary Exposure Pathways			Short-Term Aggregate Risk Index
						Short-Term Dermal		Acute	Acute	Acute	
						Drift MOE	Foliage MOE	Water %PAD	Berries %PAD	Fish %PAD	
Typical	Aerial	Agricultural	Plane	Res-child	1.00E+02	2.07E+02	1.60E+02	--	1.35E-03	--	**9.01E-01**
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	2.28E+02	1.76E+02	--	1.23E-03	--	**9.91E-01**
Typical	Ground	Agricultural	Low Boom	Res-child	1.00E+02	2.28E+03	1.76E+03	--	1.23E-04	--	9.91E+00
Typical	Ground	Agricultural	High Boom	Res-child	1.00E+02	1.14E+03	8.79E+02	--	2.45E-04	--	4.96E+00
Max	Aerial	Agricultural	Plane	Res-child	1.00E+02	4.46E+01	3.45E+01	--	6.26E-03	--	**1.94E-01**
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	5.17E+01	4.00E+01	--	5.40E-03	--	**2.25E-01**
Max	Ground	Agricultural	Low Boom	Res-child	1.00E+02	3.79E+02	2.93E+02	--	7.36E-04	--	1.65E+00
Max	Ground	Agricultural	High Boom	Res-child	1.00E+02	2.53E+02	1.95E+02	--	1.10E-03	--	1.10E+00
Typical	Aerial	Agricultural	Plane	Res-adult	1.00E+02	3.45E+02	2.68E+02	--	1.34E-03	--	1.50E+00
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	3.79E+02	2.94E+02	--	1.22E-03	--	1.65E+00
Typical	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	3.79E+03	2.94E+03	--	1.22E-04	--	1.65E+01
Typical	Ground	Agricultural	High Boom	Res-adult	1.00E+02	1.90E+03	1.47E+03	--	2.44E-04	--	8.27E+00
Max	Aerial	Agricultural	Plane	Res-adult	1.00E+02	7.43E+01	5.77E+01	--	6.22E-03	--	**3.24E-01**
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	8.62E+01	6.69E+01	--	5.36E-03	--	**3.76E-01**
Max	Ground	Agricultural	Low Boom	Res-adult	1.00E+02	6.32E+02	4.91E+02	--	7.31E-04	--	2.76E+00
Max	Ground	Agricultural	High Boom	Res-adult	1.00E+02	4.21E+02	3.27E+02	--	1.10E-03	--	1.84E+00
Typical	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	2.07E+02	1.85E+03	3.59E-04	1.35E-03	1.41E-04	1.85E+00
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	2.28E+02	2.03E+03	3.03E-04	1.23E-03	1.19E-04	2.04E+00
Typical	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	2.28E+03	2.03E+04	3.03E-05	1.23E-04	1.19E-05	2.04E+01
Typical	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	1.14E+03	1.02E+04	4.84E-05	2.45E-04	1.90E-05	1.02E+01
Max	Aerial	Agricultural	Plane	N.A.-child	1.00E+02	4.46E+01	3.99E+02	1.73E-03	6.26E-03	6.77E-04	**4.00E-01**
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	5.17E+01	4.62E+02	1.44E-03	5.40E-03	5.62E-04	**4.64E-01**
Max	Ground	Agricultural	Low Boom	N.A.-child	1.00E+02	3.79E+02	3.39E+03	1.21E-04	7.36E-04	4.75E-05	3.40E+00
Max	Ground	Agricultural	High Boom	N.A.-child	1.00E+02	2.53E+02	2.26E+03	1.95E-04	1.10E-03	7.62E-05	2.27E+00
Typical	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	3.45E+02	1.72E+03	1.54E-04	1.34E-03	1.40E-04	2.86E+00
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	3.79E+02	1.90E+03	1.30E-04	1.22E-03	1.18E-04	3.15E+00
Typical	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	3.79E+03	1.90E+04	1.30E-05	1.22E-04	1.18E-05	3.15E+01
Typical	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	1.90E+03	9.49E+03	2.08E-05	2.44E-04	1.89E-05	1.57E+01
Max	Aerial	Agricultural	Plane	N.A.-adult	1.00E+02	7.43E+01	3.72E+02	7.41E-04	6.22E-03	6.75E-04	**6.17E-01**
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	8.62E+01	4.31E+02	6.15E-04	5.36E-03	5.61E-04	**7.15E-01**
Max	Ground	Agricultural	Low Boom	N.A.-adult	1.00E+02	6.32E+02	3.16E+03	5.20E-05	7.31E-04	4.74E-05	5.24E+00
Max	Ground	Agricultural	High Boom	N.A.-adult	1.00E+02	4.21E+02	2.11E+03	8.34E-05	1.10E-03	7.60E-05	3.50E+00

Calculation: Aggregrate Risk Index - Short Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Diquat
Program: Aquatic

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Dermal Exposure Pathways		Dietary Exposure Pathways			Short-Term Aggregate Risk Index
						Short-Term Dermal		Acute	Acute	Acute	
						Drift MOE	Foliage MOE	Water %PAD	Berries %PAD	Fish %PAD	
Typical	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Typical	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Typical	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Max	Aerial	Agricultural	Plane	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Max	Ground	Agricultural	Low Boom	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Max	Ground	Agricultural	High Boom	Swimmer-child	1.00E+02	--	--	--	--	--	NC
Typical	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Typical	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Typical	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Max	Aerial	Agricultural	Plane	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Max	Ground	Agricultural	Low Boom	Swimmer-adult	1.00E+02	--	--	--	--	--	NC
Max	Ground	Agricultural	High Boom	Swimmer-adult	1.00E+02	--	--	--	--	--	NC

--Receptor not exposed via this pathway.
NA - Not Available.
NC - Not Calculated (No dose-response value).