Calculation: Potential Doses and Margins of Exposure
Scenario: Occupational - Routine Exposure
Pathway: Dermal Contact with Herbicide
Herbicide: Sulfometuron Methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario	Application Type	Application Vehicle	Application Method	Receptor	Rate (lb a.i./acre)	Dermal Unit Exposure (b) (mg/lb ai)	Acres Treated per Hour	Hours Per Day	Dermal Abs. Factor	Body Weight (kg)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)			Margin of Exposure Dermal Exposure (unitless)		
												Short	Int	Long	Short	Int	Long
Typical	Aerial	Helicopter (a)	Rotary	P	0.14	0.005	100	4	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Aerial	Helicopter (a)	Rotary	M/L	0.14	2.9	100	4	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Human	Bpack	A/M/L	0.14	2.5	0.2	3	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Human	Hback	A	0.14	1.3	0.75	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Human	Hback	M/L	0.14	2.9	0.75	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Human	Hback	A/M/L	0.14	4.2	0.75	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	ATV	Spot	A	0.14	1.3	0.25	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	ATV	Spot	M/L	0.14	2.9	0.25	3	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	ATV	Spot	A/M/L	0.14	4.2	0.25	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	ATV	B/B	A	0.14	0.014	0.8	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	ATV	B/B	M/L	0.14	2.9	0.8	3	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	ATV	B/B	A/M/L	0.14	2.914	0.8	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Truck Mount	Spot	A	0.14	1.3	0.38	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Truck Mount	Spot	M/L	0.14	2.9	0.38	4	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Truck Mount	Spot	A/M/L	0.14	4.2	0.38	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Truck Mount	B/B	A	0.14	0.014	1.5	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Truck Mount	B/B	M/L	0.14	2.9	1.5	3	NA	70	NA	NA	NA	NA	NC	NC	NC
Typical	Ground	Truck Mount	B/B	A/M/L	0.14	2.914	1.5	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Aerial	Helicopter (a)	Rotary	P	0.38	0.005	200	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Aerial	Helicopter (a)	Rotary	M/L	0.38	2.9	200	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Human	Bpack	A/M/L	0.38	2.5	0.4	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Human	Hback	A	0.38	1.3	1	8	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Human	Hback	M/L	0.38	2.9	1	8	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Human	Hback	A/M/L	0.38	4.2	1	8	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	ATV	Spot	A	0.38	1.3	0.5	9	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	ATV	Spot	M/L	0.38	2.9	0.5	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	ATV	Spot	A/M/L	0.38	4.2	0.5	9	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	ATV	B/B	A	0.38	0.014	1.6	9	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	ATV	B/B	M/L	0.38	2.9	1.6	5	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	ATV	B/B	A/M/L	0.38	2.914	1.6	9	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Truck Mount	Spot	A	0.38	1.3	1	10	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Truck Mount	Spot	M/L	0.38	2.9	1	8	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Truck Mount	Spot	A/M/L	0.38	4.2	1	10	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Truck Mount	B/B	A	0.38	0.014	2.25	8	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Truck Mount	B/B	M/L	0.38	2.9	2.25	6	NA	70	NA	NA	NA	NA	NC	NC	NC
Max	Ground	Truck Mount	B/B	A/M/L	0.38	2.914	2.25	8	NA	70	NA	NA	NA	NA	NC	NC	NC

Notes:
(a) - Helicopter pathway applicable to Public Domain Forest Land, Energy/Mineral and Rights-of-Way sites only. Not used on Recreation and Cultural Sites.
(b) - Unit exposure for workers wearing long-sleeved shirts, pants, and no gloves used.

Calculation: Potential Doses and Margins of Exposure
Scenario: Occupational - Routine Exposure
Pathway: Inhalation of Herbicide
Herbicide: Sulfometuron Methyl
Program: Forest, Energy/Mineral, Right of Way, Recreation/Cultural

Scenario	Applicatic Type	Application Vehicle	Application Method	Receptor	Rate (lb a.i./acre)	Inhalation Unit Exposure (mg/lb ai)	Acres Treated per Hour	Hours Per Day	Inhalation Absorption Factor	Body Weight (kg)	Inhalation Dose (mg/kg-day	Inhalation NOAELs (mg/kg-day)			Margin of Exposure Inhalation Exposure (unitless)		
												Short	Int	Long	Short	Int	Long
Typical	Aerial	Helicopter (a)	Rotary	P	0.14	0.000068	100	4	1	70	5.44E-05	5	5	5	9.19E+04	9.19E+04	9.19E+04
Typical	Aerial	Helicopter (a)	Rotary	M/L	0.14	0.0012	100	4	1	70	9.60E-04	5	5	5	5.21E+03	5.21E+03	5.21E+03
Typical	Ground	Human	Bpack	A/M/L	0.14	0.03	0.2	3	1	70	3.60E-05	5	5	5	1.39E+05	1.39E+05	1.39E+05
Typical	Ground	Human	Hback	A	0.14	0.0039	0.75	6	1	70	3.51E-05	5	5	5	1.42E+05	1.42E+05	1.42E+05
Typical	Ground	Human	Hback	M/L	0.14	0.0012	0.75	6	1	70	1.08E-05	5	5	5	4.63E+05	4.63E+05	4.63E+05
Typical	Ground	Human	Hback	A/M/L	0.14	0.0051	0.75	6	1	70	4.59E-05	5	5	5	1.09E+05	1.09E+05	1.09E+05
Typical	Ground	ATV	Spot	A	0.14	0.0039	0.25	5	1	70	9.75E-06	5	5	5	5.13E+05	5.13E+05	5.13E+05
Typical	Ground	ATV	Spot	M/L	0.14	0.0012	0.25	3	1	70	1.80E-06	5	5	5	2.78E+06	2.78E+06	2.78E+06
Typical	Ground	ATV	Spot	A/M/L	0.14	0.0051	0.25	5	1	70	1.28E-05	5	5	5	3.92E+05	3.92E+05	3.92E+05
Typical	Ground	ATV	B/B	A	0.14	0.00074	0.8	5	1	70	5.92E-06	5	5	5	8.45E+05	8.45E+05	8.45E+05
Typical	Ground	ATV	B/B	M/L	0.14	0.0012	0.8	3	1	70	5.76E-06	5	5	5	8.68E+05	8.68E+05	8.68E+05
Typical	Ground	ATV	B/B	A/M/L	0.14	0.00194	0.8	5	1	70	1.55E-05	5	5	5	3.22E+05	3.22E+05	3.22E+05
Typical	Ground	Truck Mount	Spot	A	0.14	0.0039	0.38	6	1	70	1.78E-05	5	5	5	2.81E+05	2.81E+05	2.81E+05
Typical	Ground	Truck Mount	Spot	M/L	0.14	0.0012	0.38	4	1	70	3.65E-06	5	5	5	1.37E+06	1.37E+06	1.37E+06
Typical	Ground	Truck Mount	Spot	A/M/L	0.14	0.0051	0.38	6	1	70	2.33E-05	5	5	5	2.15E+05	2.15E+05	2.15E+05
Typical	Ground	Truck Mount	B/B	A	0.14	0.00074	1.5	5	1	70	1.11E-05	5	5	5	4.50E+05	4.50E+05	4.50E+05
Typical	Ground	Truck Mount	B/B	M/L	0.14	0.0012	1.5	3	1	70	1.08E-05	5	5	5	4.63E+05	4.63E+05	4.63E+05
Typical	Ground	Truck Mount	B/B	A/M/L	0.14	0.00194	1.5	5	1	70	2.91E-05	5	5	5	1.72E+05	1.72E+05	1.72E+05
Max	Aerial	Helicopter (a)	Rotary	P	0.38	0.000068	200	6	1	70	4.43E-04	5	5	5	1.13E+04	1.13E+04	1.13E+04
Max	Aerial	Helicopter (a)	Rotary	M/L	0.38	0.0012	200	6	1	70	7.82E-03	5	5	5	6.40E+02	6.40E+02	6.40E+02
Max	Ground	Human	Bpack	A/M/L	0.38	0.03	0.4	6	1	70	3.91E-04	5	5	5	1.28E+04	1.28E+04	1.28E+04
Max	Ground	Human	Hback	A	0.38	0.0039	1	8	1	70	1.69E-04	5	5	5	2.95E+04	2.95E+04	2.95E+04
Max	Ground	Human	Hback	M/L	0.38	0.0012	1	8	1	70	5.21E-05	5	5	5	9.59E+04	9.59E+04	9.59E+04
Max	Ground	Human	Hback	A/M/L	0.38	0.0051	1	8	1	70	2.21E-04	5	5	5	2.26E+04	2.26E+04	2.26E+04
Max	Ground	ATV	Spot	A	0.38	0.0039	0.5	9	1	70	9.53E-05	5	5	5	5.25E+04	5.25E+04	5.25E+04
Max	Ground	ATV	Spot	M/L	0.38	0.0012	0.5	6	1	70	1.95E-05	5	5	5	2.56E+05	2.56E+05	2.56E+05
Max	Ground	ATV	Spot	A/M/L	0.38	0.0051	0.5	9	1	70	1.25E-04	5	5	5	4.01E+04	4.01E+04	4.01E+04
Max	Ground	ATV	B/B	A	0.38	0.00074	1.6	9	1	70	5.78E-05	5	5	5	8.64E+04	8.64E+04	8.64E+04
Max	Ground	ATV	B/B	M/L	0.38	0.0012	1.6	5	1	70	5.21E-05	5	5	5	9.59E+04	9.59E+04	9.59E+04
Max	Ground	ATV	B/B	A/M/L	0.38	0.00194	1.6	9	1	70	1.52E-04	5	5	5	3.30E+04	3.30E+04	3.30E+04
Max	Ground	Truck Mount	Spot	A	0.38	0.0039	1	10	1	70	2.12E-04	5	5	5	2.36E+04	2.36E+04	2.36E+04
Max	Ground	Truck Mount	Spot	M/L	0.38	0.0012	1	8	1	70	5.21E-05	5	5	5	9.59E+04	9.59E+04	9.59E+04
Max	Ground	Truck Mount	Spot	A/M/L	0.38	0.0051	1	10	1	70	2.77E-04	5	5	5	1.81E+04	1.81E+04	1.81E+04
Max	Ground	Truck Mount	B/B	A	0.38	0.00074	2.25	8	1	70	7.23E-05	5	5	5	6.91E+04	6.91E+04	6.91E+04
Max	Ground	Truck Mount	B/B	M/L	0.38	0.0012	2.25	6	1	70	8.79E-05	5	5	5	5.69E+04	5.69E+04	5.69E+04
Max	Ground	Truck Mount	B/B	A/M/L	0.38	0.00194	2.25	8	1	70	1.90E-04	5	5	5	2.64E+04	2.64E+04	2.64E+04

Notes:
(a) - Helicopter pathway applicable to Forest, Energy/Mineral and Rights of Way sites only. Not used on Recreation/Cultural Sites.

Calculation: Aggregrate Risk Level
Scenario: Occupational - Routine Exposure
Pathway: Dermal Contact with and Inhalation of Herbicide
Herbicide: Sulfometuron Methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario	Applicatic Type	Application Vehicle	Application Method	Receptor	Margin of Exposure Dermal Exposure (unitless)			Margin of Exposure Inhalation Exposure (unitless)			Target Margin of Exposure		Aggregate Risk Index		
					Short	Int	Long	Short	Int	Long	Dermal	Inhalation	Short	Int	Long
Typical	Aerial	Helicopter (a)	Rotary	P	NC	NC	NC	9.19E+04	9.19E+04	9.19E+04	100	100	9.19E+02	9.19E+02	9.19E+02
Typical	Aerial	Helicopter (a)	Rotary	M/L	NC	NC	NC	5.21E+03	5.21E+03	5.21E+03	100	100	5.21E+01	5.21E+01	5.21E+01
Typical	Ground	Human	Bpack	A/M/L	NC	NC	NC	1.39E+05	1.39E+05	1.39E+05	100	100	1.39E+03	1.39E+03	1.39E+03
Typical	Ground	Human	Hback	A	NC	NC	NC	1.42E+05	1.42E+05	1.42E+05	100	100	1.42E+03	1.42E+03	1.42E+03
Typical	Ground	Human	Hback	M/L	NC	NC	NC	4.63E+05	4.63E+05	4.63E+05	100	100	4.63E+03	4.63E+03	4.63E+03
Typical	Ground	Human	Hback	A/M/L	NC	NC	NC	1.09E+05	1.09E+05	1.09E+05	100	100	1.09E+03	1.09E+03	1.09E+03
Typical	Ground	ATV	Spot	A	NC	NC	NC	5.13E+05	5.13E+05	5.13E+05	100	100	5.13E+03	5.13E+03	5.13E+03
Typical	Ground	ATV	Spot	M/L	NC	NC	NC	2.78E+06	2.78E+06	2.78E+06	100	100	2.78E+04	2.78E+04	2.78E+04
Typical	Ground	ATV	Spot	A/M/L	NC	NC	NC	3.92E+05	3.92E+05	3.92E+05	100	100	3.92E+03	3.92E+03	3.92E+03
Typical	Ground	ATV	B/B	A	NC	NC	NC	8.45E+05	8.45E+05	8.45E+05	100	100	8.45E+03	8.45E+03	8.45E+03
Typical	Ground	ATV	B/B	M/L	NC	NC	NC	8.68E+05	8.68E+05	8.68E+05	100	100	8.68E+03	8.68E+03	8.68E+03
Typical	Ground	ATV	B/B	A/M/L	NC	NC	NC	3.22E+05	3.22E+05	3.22E+05	100	100	3.22E+03	3.22E+03	3.22E+03
Typical	Ground	Truck Mount	Spot	A	NC	NC	NC	2.81E+05	2.81E+05	2.81E+05	100	100	2.81E+03	2.81E+03	2.81E+03
Typical	Ground	Truck Mount	Spot	M/L	NC	NC	NC	1.37E+06	1.37E+06	1.37E+06	100	100	1.37E+04	1.37E+04	1.37E+04
Typical	Ground	Truck Mount	Spot	A/M/L	NC	NC	NC	2.15E+05	2.15E+05	2.15E+05	100	100	2.15E+03	2.15E+03	2.15E+03
Typical	Ground	Truck Mount	B/B	A	NC	NC	NC	4.50E+05	4.50E+05	4.50E+05	100	100	4.50E+03	4.50E+03	4.50E+03
Typical	Ground	Truck Mount	B/B	M/L	NC	NC	NC	4.63E+05	4.63E+05	4.63E+05	100	100	4.63E+03	4.63E+03	4.63E+03
Typical	Ground	Truck Mount	B/B	A/M/L	NC	NC	NC	1.72E+05	1.72E+05	1.72E+05	100	100	1.72E+03	1.72E+03	1.72E+03
Max	Aerial	Helicopter (a)	Rotary	P	NC	NC	NC	1.13E+04	1.13E+04	1.13E+04	100	100	1.13E+02	1.13E+02	1.13E+02
Max	Aerial	Helicopter (a)	Rotary	M/L	NC	NC	NC	6.40E+02	6.40E+02	6.40E+02	100	100	6.40E+00	6.40E+00	6.40E+00
Max	Ground	Human	Bpack	A/M/L	NC	NC	NC	1.28E+04	1.28E+04	1.28E+04	100	100	1.28E+02	1.28E+02	1.28E+02
Max	Ground	Human	Hback	A	NC	NC	NC	2.95E+04	2.95E+04	2.95E+04	100	100	2.95E+02	2.95E+02	2.95E+02
Max	Ground	Human	Hback	M/L	NC	NC	NC	9.59E+04	9.59E+04	9.59E+04	100	100	9.59E+02	9.59E+02	9.59E+02
Max	Ground	Human	Hback	A/M/L	NC	NC	NC	2.26E+04	2.26E+04	2.26E+04	100	100	2.26E+02	2.26E+02	2.26E+02
Max	Ground	ATV	Spot	A	NC	NC	NC	5.25E+04	5.25E+04	5.25E+04	100	100	5.25E+02	5.25E+02	5.25E+02
Max	Ground	ATV	Spot	M/L	NC	NC	NC	2.56E+05	2.56E+05	2.56E+05	100	100	2.56E+03	2.56E+03	2.56E+03
Max	Ground	ATV	Spot	A/M/L	NC	NC	NC	4.01E+04	4.01E+04	4.01E+04	100	100	4.01E+02	4.01E+02	4.01E+02
Max	Ground	ATV	B/B	A	NC	NC	NC	8.64E+04	8.64E+04	8.64E+04	100	100	8.64E+02	8.64E+02	8.64E+02
Max	Ground	ATV	B/B	M/L	NC	NC	NC	9.59E+04	9.59E+04	9.59E+04	100	100	9.59E+02	9.59E+02	9.59E+02
Max	Ground	ATV	B/B	A/M/L	NC	NC	NC	3.30E+04	3.30E+04	3.30E+04	100	100	3.30E+02	3.30E+02	3.30E+02
Max	Ground	Truck Mount	Spot	A	NC	NC	NC	2.36E+04	2.36E+04	2.36E+04	100	100	2.36E+02	2.36E+02	2.36E+02
Max	Ground	Truck Mount	Spot	M/L	NC	NC	NC	9.59E+04	9.59E+04	9.59E+04	100	100	9.59E+02	9.59E+02	9.59E+02
Max	Ground	Truck Mount	Spot	A/M/L	NC	NC	NC	1.81E+04	1.81E+04	1.81E+04	100	100	1.81E+02	1.81E+02	1.81E+02
Max	Ground	Truck Mount	B/B	A	NC	NC	NC	6.91E+04	6.91E+04	6.91E+04	100	100	6.91E+02	6.91E+02	6.91E+02
Max	Ground	Truck Mount	B/B	M/L	NC	NC	NC	5.69E+04	5.69E+04	5.69E+04	100	100	5.69E+02	5.69E+02	5.69E+02
Max	Ground	Truck Mount	B/B	A/M/L	NC	NC	NC	2.64E+04	2.64E+04	2.64E+04	100	100	2.64E+02	2.64E+02	2.64E+02

Notes:
(a) - Helicopter pathway applicable to Public Domain Forest Land, Energy/Mineral and Rights-of-Way sites only. Not used on Recreation and Cultural Sites.

Calculatio Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Foliage
Pesticide: Sulfometuron methyl
Program: 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) Short	MOE (unitless) Short
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	NA	1.00E-04	2.00E-05	2.86E+01	--	NA	--
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	--
Typical	Ground	Both	Low Boom	Hiker/Hunter	2.00E-01	NA	1.99E-05	3.98E-06	2.86E+01	--	NA	--
Typical	Ground	Both	High Boom	Hiker/Hunter	2.00E-01	NA	3.28E-05	6.56E-06	2.86E+01	--	NA	--
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	--
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	2.00E-01	NA	8.00E-04	1.60E-04	2.86E+01	--	NA	--
Max	Ground	Both	Low Boom	Hiker/Hunter	2.00E-01	NA	5.28E-05	1.06E-05	2.86E+01	--	NA	--
Max	Ground	Both	High Boom	Hiker/Hunter	2.00E-01	NA	8.73E-05	1.75E-05	2.86E+01	--	NA	--
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	NA	1.00E-04	2.00E-05	4.00E+01	--	NA	--
Typical	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	NA	3.00E-04	6.00E-05	4.00E+01	--	NA	--
Typical	Ground	Both	Low Boom	Berry - child	2.00E-01	NA	1.99E-05	3.98E-06	4.00E+01	--	NA	--
Typical	Ground	Both	High Boom	Berry - child	2.00E-01	NA	3.28E-05	6.56E-06	4.00E+01	--	NA	--
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	NA	3.00E-04	6.00E-05	4.00E+01	--	NA	--
Max	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	NA	8.00E-04	1.60E-04	4.00E+01	--	NA	--
Max	Ground	Both	Low Boom	Berry - child	2.00E-01	NA	5.28E-05	1.06E-05	4.00E+01	--	NA	--
Max	Ground	Both	High Boom	Berry - child	2.00E-01	NA	8.73E-05	1.75E-05	4.00E+01	--	NA	--
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	NA	1.00E-04	2.00E-05	4.29E+01	--	NA	--
Typical	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	NA	3.00E-04	6.00E-05	4.29E+01	--	NA	--
Typical	Ground	Both	Low Boom	Berry - adult	2.00E-01	NA	1.99E-05	3.98E-06	4.29E+01	--	NA	--
Typical	Ground	Both	High Boom	Berry - adult	2.00E-01	NA	3.28E-05	6.56E-06	4.29E+01	--	NA	--
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	NA	3.00E-04	6.00E-05	4.29E+01	--	NA	--
Max	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	NA	8.00E-04	1.60E-04	4.29E+01	--	NA	--
Max	Ground	Both	Low Boom	Berry - adult	2.00E-01	NA	5.28E-05	1.06E-05	4.29E+01	--	NA	--
Max	Ground	Both	High Boom	Berry - adult	2.00E-01	NA	8.73E-05	1.75E-05	4.29E+01	--	NA	--
Typical	Aerial	Agricultural	Helicopter	Angler	2.00E-01	NA	1.00E-04	2.00E-05	2.86E+01	--	NA	--
Typical	Aerial	Forestry	Helicopter	Angler	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	--
Typical	Ground	Both	Low Boom	Angler	2.00E-01	NA	1.99E-05	3.98E-06	2.86E+01	--	NA	--
Typical	Ground	Both	High Boom	Angler	2.00E-01	NA	3.28E-05	6.56E-06	2.86E+01	--	NA	--
Max	Aerial	Agricultural	Helicopter	Angler	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	--
Max	Aerial	Forestry	Helicopter	Angler	2.00E-01	NA	8.00E-04	1.60E-04	2.86E+01	--	NA	--
Max	Ground	Both	Low Boom	Angler	2.00E-01	NA	5.28E-05	1.06E-05	2.86E+01	--	NA	--
Max	Ground	Both	High Boom	Angler	2.00E-01	NA	8.73E-05	1.75E-05	2.86E+01	--	NA	--
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	NA	1.00E-04	2.00E-05	6.93E+02	--	NA	--
Typical	Aerial	Forestry	Helicopter	Res-child	2.00E-01	NA	3.00E-04	6.00E-05	6.93E+02	--	NA	--
Typical	Ground	Both	Low Boom	Res-child	2.00E-01	NA	1.99E-05	3.98E-06	6.93E+02	--	NA	--
Typical	Ground	Both	High Boom	Res-child	2.00E-01	NA	3.28E-05	6.56E-06	6.93E+02	--	NA	--
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	NA	3.00E-04	6.00E-05	6.93E+02	--	NA	--

Calculatio Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Foliage
Pesticide: Sulfometuron methyl
Program: 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) Short	MOE (unitless) Short
Max	Aerial	Forestry	Helicopter	Res-child	2.00E-01	NA	8.00E-04	1.60E-04	6.93E+02	--	NA	--
Max	Ground	Both	Low Boom	Res-child	2.00E-01	NA	5.28E-05	1.06E-05	6.93E+02	--	NA	--
Max	Ground	Both	High Boom	Res-child	2.00E-01	NA	8.73E-05	1.75E-05	6.93E+02	--	NA	--
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	NA	1.00E-04	2.00E-05	4.14E+02	--	NA	--
Typical	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	NA	3.00E-04	6.00E-05	4.14E+02	--	NA	--
Typical	Ground	Both	Low Boom	Res-adult	2.00E-01	NA	1.99E-05	3.98E-06	4.14E+02	--	NA	--
Typical	Ground	Both	High Boom	Res-adult	2.00E-01	NA	3.28E-05	6.56E-06	4.14E+02	--	NA	--
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	NA	3.00E-04	6.00E-05	4.14E+02	--	NA	--
Max	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	NA	8.00E-04	1.60E-04	4.14E+02	--	NA	--
Max	Ground	Both	Low Boom	Res-adult	2.00E-01	NA	5.28E-05	1.06E-05	4.14E+02	--	NA	--
Max	Ground	Both	High Boom	Res-adult	2.00E-01	NA	8.73E-05	1.75E-05	4.14E+02	--	NA	--
Typical	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	NA	1.00E-04	2.00E-05	6.00E+01	--	NA	--
Typical	Aerial	Forestry	Helicopter	N.A.-child	2.00E-01	NA	3.00E-04	6.00E-05	6.00E+01	--	NA	--
Typical	Ground	Both	Low Boom	N.A.-child	2.00E-01	NA	1.99E-05	3.98E-06	6.00E+01	--	NA	--
Typical	Ground	Both	High Boom	N.A.-child	2.00E-01	NA	3.28E-05	6.56E-06	6.00E+01	--	NA	--
Max	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	NA	3.00E-04	6.00E-05	6.00E+01	--	NA	--
Max	Aerial	Forestry	Helicopter	N.A.-child	2.00E-01	NA	8.00E-04	1.60E-04	6.00E+01	--	NA	--
Max	Ground	Both	Low Boom	N.A.-child	2.00E-01	NA	5.28E-05	1.06E-05	6.00E+01	--	NA	--
Max	Ground	Both	High Boom	N.A.-child	2.00E-01	NA	8.73E-05	1.75E-05	6.00E+01	--	NA	--
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	NA	1.00E-04	2.00E-05	6.43E+01	--	NA	--
Typical	Aerial	Forestry	Helicopter	N.A.-adult	2.00E-01	NA	3.00E-04	6.00E-05	6.43E+01	--	NA	--
Typical	Ground	Both	Low Boom	N.A.-adult	2.00E-01	NA	1.99E-05	3.98E-06	6.43E+01	--	NA	--
Typical	Ground	Both	High Boom	N.A.-adult	2.00E-01	NA	3.28E-05	6.56E-06	6.43E+01	--	NA	--
Max	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	NA	3.00E-04	6.00E-05	6.43E+01	--	NA	--
Max	Aerial	Forestry	Helicopter	N.A.-adult	2.00E-01	NA	8.00E-04	1.60E-04	6.43E+01	--	NA	--
Max	Ground	Both	Low Boom	N.A.-adult	2.00E-01	NA	5.28E-05	1.06E-05	6.43E+01	--	NA	--
Max	Ground	Both	High Boom	N.A.-adult	2.00E-01	NA	8.73E-05	1.75E-05	6.43E+01	--	NA	--

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: Sulfometuron methyl
Program: 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) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	NA	NC
Typical	Ground	Both	Low Boom	Berry - child	2.00E-01	1.99E-05	4.60E+00	1.83E-05	NA	NC
Typical	Ground	Both	High Boom	Berry - child	2.00E-01	3.28E-05	4.60E+00	3.02E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	8.00E-04	4.60E+00	7.36E-04	NA	NC
Max	Ground	Both	Low Boom	Berry - child	2.00E-01	5.28E-05	4.60E+00	4.86E-05	NA	NC
Max	Ground	Both	High Boom	Berry - child	2.00E-01	8.73E-05	4.60E+00	8.03E-05	NA	NC
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	NA	NC
Typical	Ground	Both	Low Boom	Berry - adult	2.00E-01	1.99E-05	4.57E+00	1.82E-05	NA	NC
Typical	Ground	Both	High Boom	Berry - adult	2.00E-01	3.28E-05	4.57E+00	3.00E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	8.00E-04	4.57E+00	7.31E-04	NA	NC
Max	Ground	Both	Low Boom	Berry - adult	2.00E-01	5.28E-05	4.57E+00	4.83E-05	NA	NC
Max	Ground	Both	High Boom	Berry - adult	2.00E-01	8.73E-05	4.57E+00	7.98E-05	NA	NC
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	Res-child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	NA	NC
Typical	Ground	Both	Low Boom	Res-child	2.00E-01	1.99E-05	4.60E+00	1.83E-05	NA	NC
Typical	Ground	Both	High Boom	Res-child	2.00E-01	3.28E-05	4.60E+00	3.02E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Res-child	2.00E-01	8.00E-04	4.60E+00	7.36E-04	NA	NC
Max	Ground	Both	Low Boom	Res-child	2.00E-01	5.28E-05	4.60E+00	4.86E-05	NA	NC
Max	Ground	Both	High Boom	Res-child	2.00E-01	8.73E-05	4.60E+00	8.03E-05	NA	NC
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	NA	NC
Typical	Ground	Both	Low Boom	Res-adult	2.00E-01	1.99E-05	4.57E+00	1.82E-05	NA	NC
Typical	Ground	Both	High Boom	Res-adult	2.00E-01	3.28E-05	4.57E+00	3.00E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	8.00E-04	4.57E+00	7.31E-04	NA	NC
Max	Ground	Both	Low Boom	Res-adult	2.00E-01	5.28E-05	4.57E+00	4.83E-05	NA	NC
Max	Ground	Both	High Boom	Res-adult	2.00E-01	8.73E-05	4.57E+00	7.98E-05	NA	NC
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	N.American - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	NA	NC
Typical	Ground	Both	Low Boom	N.American - child	2.00E-01	1.99E-05	4.60E+00	1.83E-05	NA	NC
Typical	Ground	Both	High Boom	N.American - child	2.00E-01	3.28E-05	4.60E+00	3.02E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	NA	NC

Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Berries
Pesticide: Sulfometuron methyl
Program: 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) Acute	%PAD (unitless) Acute
Max	Aerial	Forestry	Helicopter	N.American - child	2.00E-01	8.00E-04	4.60E+00	7.36E-04	NA	NC
Max	Ground	Both	Low Boom	N.American - child	2.00E-01	5.28E-05	4.60E+00	4.86E-05	NA	NC
Max	Ground	Both	High Boom	N.American - child	2.00E-01	8.73E-05	4.60E+00	8.03E-05	NA	NC
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	N.American - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	NA	NC
Typical	Ground	Both	Low Boom	N.American - adult	2.00E-01	1.99E-05	4.57E+00	1.82E-05	NA	NC
Typical	Ground	Both	High Boom	N.American - adult	2.00E-01	3.28E-05	4.57E+00	3.00E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	NA	NC
Max	Aerial	Forestry	Helicopter	N.American - adult	2.00E-01	8.00E-04	4.57E+00	7.31E-04	NA	NC
Max	Ground	Both	Low Boom	N.American - adult	2.00E-01	5.28E-05	4.57E+00	4.83E-05	NA	NC
Max	Ground	Both	High Boom	N.American - adult	2.00E-01	8.73E-05	4.57E+00	7.98E-05	NA	NC

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 - Short-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Short-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	Short-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	4.96E-06	6.64E-03	1.00E-03	4.40E+02	1.45E-08	5.00E+00	3.45E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-child	4.96E-06	7.58E-03	1.00E-03	4.40E+02	1.66E-08	5.00E+00	3.02E+08
Typical	Ground	Both	Low Boom	Swimmer-child	4.96E-06	5.99E-03	1.00E-03	4.40E+02	1.31E-08	5.00E+00	3.82E+08
Typical	Ground	Both	High Boom	Swimmer-child	4.96E-06	6.04E-03	1.00E-03	4.40E+02	1.32E-08	5.00E+00	3.79E+08
Max	Aerial	Agricultural	Helicopter	Swimmer-child	4.96E-06	7.86E-03	1.00E-03	4.40E+02	1.72E-08	5.00E+00	2.91E+08
Max	Aerial	Forestry	Helicopter	Swimmer-child	4.96E-06	1.19E-02	1.00E-03	4.40E+02	2.60E-08	5.00E+00	1.92E+08
Max	Ground	Both	Low Boom	Swimmer-child	4.96E-06	8.11E-03	1.00E-03	4.40E+02	1.77E-08	5.00E+00	2.82E+08
Max	Ground	Both	High Boom	Swimmer-child	4.96E-06	8.26E-03	1.00E-03	4.40E+02	1.80E-08	5.00E+00	2.77E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	4.96E-06	6.64E-03	1.00E-03	2.57E+02	8.48E-09	5.00E+00	5.90E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	4.96E-06	7.58E-03	1.00E-03	2.57E+02	9.67E-09	5.00E+00	5.17E+08
Typical	Ground	Both	Low Boom	Swimmer-adult	4.96E-06	5.99E-03	1.00E-03	2.57E+02	7.64E-09	5.00E+00	6.54E+08
Typical	Ground	Both	High Boom	Swimmer-adult	4.96E-06	6.04E-03	1.00E-03	2.57E+02	7.71E-09	5.00E+00	6.48E+08
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	4.96E-06	7.86E-03	1.00E-03	2.57E+02	1.00E-08	5.00E+00	4.99E+08
Max	Aerial	Forestry	Helicopter	Swimmer-adult	4.96E-06	1.19E-02	1.00E-03	2.57E+02	1.52E-08	5.00E+00	3.29E+08
Max	Ground	Both	Low Boom	Swimmer-adult	4.96E-06	8.11E-03	1.00E-03	2.57E+02	1.03E-08	5.00E+00	4.83E+08
Max	Ground	Both	High Boom	Swimmer-adult	4.96E-06	8.26E-03	1.00E-03	2.57E+02	1.05E-08	5.00E+00	4.74E+08
Typical	Aerial	Agricultural	Helicopter	N.American-child	4.96E-06	6.64E-03	1.00E-03	1.14E+03	3.77E-08	5.00E+00	1.33E+08
Typical	Aerial	Forestry	Helicopter	N.American-child	4.96E-06	7.58E-03	1.00E-03	1.14E+03	4.30E-08	5.00E+00	1.16E+08
Typical	Ground	Both	Low Boom	N.American-child	4.96E-06	5.99E-03	1.00E-03	1.14E+03	3.40E-08	5.00E+00	1.47E+08
Typical	Ground	Both	High Boom	N.American-child	4.96E-06	6.04E-03	1.00E-03	1.14E+03	3.43E-08	5.00E+00	1.46E+08
Max	Aerial	Agricultural	Helicopter	N.American-child	4.96E-06	7.86E-03	1.00E-03	1.14E+03	4.46E-08	5.00E+00	1.12E+08
Max	Aerial	Forestry	Helicopter	N.American-child	4.96E-06	1.19E-02	1.00E-03	1.14E+03	6.76E-08	5.00E+00	7.39E+07
Max	Ground	Both	Low Boom	N.American-child	4.96E-06	8.11E-03	1.00E-03	1.14E+03	4.60E-08	5.00E+00	1.09E+08
Max	Ground	Both	High Boom	N.American-child	4.96E-06	8.26E-03	1.00E-03	1.14E+03	4.69E-08	5.00E+00	1.07E+08
Typical	Aerial	Agricultural	Helicopter	N.American-adult	4.96E-06	6.64E-03	1.00E-03	6.69E+02	2.20E-08	5.00E+00	2.27E+08
Typical	Aerial	Forestry	Helicopter	N.American-adult	4.96E-06	7.58E-03	1.00E-03	6.69E+02	2.52E-08	5.00E+00	1.99E+08
Typical	Ground	Both	Low Boom	N.American-adult	4.96E-06	5.99E-03	1.00E-03	6.69E+02	1.99E-08	5.00E+00	2.52E+08
Typical	Ground	Both	High Boom	N.American-adult	4.96E-06	6.04E-03	1.00E-03	6.69E+02	2.01E-08	5.00E+00	2.49E+08
Max	Aerial	Agricultural	Helicopter	N.American-adult	4.96E-06	7.86E-03	1.00E-03	6.69E+02	2.61E-08	5.00E+00	1.92E+08
Max	Aerial	Forestry	Helicopter	N.American-adult	4.96E-06	1.19E-02	1.00E-03	6.69E+02	3.95E-08	5.00E+00	1.26E+08
Max	Ground	Both	Low Boom	N.American-adult	4.96E-06	8.11E-03	1.00E-03	6.69E+02	2.69E-08	5.00E+00	1.86E+08
Max	Ground	Both	High Boom	N.American-adult	4.96E-06	8.26E-03	1.00E-03	6.69E+02	2.74E-08	5.00E+00	1.82E+08

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Incidental Ingestion of Water while Swimming - Short-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Short-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Incidental Ingestion	
								Oral NOAEL (mg/kg-day) Short/Int	Short-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	6.64E-03	3.33E-03	2.21E-05	5.00E+00	2.26E+05
Typical	Aerial	Forestry	Helicopter	Swimmer-child	7.58E-03	3.33E-03	2.53E-05	5.00E+00	1.98E+05
Typical	Ground	Both	Low Boom	Swimmer-child	5.99E-03	3.33E-03	2.00E-05	5.00E+00	2.51E+05
Typical	Ground	Both	High Boom	Swimmer-child	6.04E-03	3.33E-03	2.01E-05	5.00E+00	2.48E+05
Max	Aerial	Agricultural	Helicopter	Swimmer-child	7.86E-03	3.33E-03	2.62E-05	5.00E+00	1.91E+05
Max	Aerial	Forestry	Helicopter	Swimmer-child	1.19E-02	3.33E-03	3.97E-05	5.00E+00	1.26E+05
Max	Ground	Both	Low Boom	Swimmer-child	8.11E-03	3.33E-03	2.70E-05	5.00E+00	1.85E+05
Max	Ground	Both	High Boom	Swimmer-child	8.26E-03	3.33E-03	2.75E-05	5.00E+00	1.82E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	6.64E-03	7.14E-04	4.75E-06	5.00E+00	1.05E+06
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	7.58E-03	7.14E-04	5.41E-06	5.00E+00	9.24E+05
Typical	Ground	Both	Low Boom	Swimmer-adult	5.99E-03	7.14E-04	4.28E-06	5.00E+00	1.17E+06
Typical	Ground	Both	High Boom	Swimmer-adult	6.04E-03	7.14E-04	4.32E-06	5.00E+00	1.16E+06
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	7.86E-03	7.14E-04	5.61E-06	5.00E+00	8.91E+05
Max	Aerial	Forestry	Helicopter	Swimmer-adult	1.19E-02	7.14E-04	8.51E-06	5.00E+00	5.88E+05
Max	Ground	Both	Low Boom	Swimmer-adult	8.11E-03	7.14E-04	5.79E-06	5.00E+00	8.63E+05
Max	Ground	Both	High Boom	Swimmer-adult	8.26E-03	7.14E-04	5.90E-06	5.00E+00	8.47E+05

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion - Short-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Short-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water - Short-Term PAD (mg/kg-day) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	6.64E-03	2.86E-02	1.90E-04	NA	NC
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	7.58E-03	2.86E-02	2.17E-04	NA	NC
Typical	Ground	Both	Low Boom	Hiker/Hunter	5.99E-03	2.86E-02	1.71E-04	NA	NC
Typical	Ground	Both	High Boom	Hiker/Hunter	6.04E-03	2.86E-02	1.73E-04	NA	NC
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	7.86E-03	2.86E-02	2.24E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	1.19E-02	2.86E-02	3.40E-04	NA	NC
Max	Ground	Both	Low Boom	Hiker/Hunter	8.11E-03	2.86E-02	2.32E-04	NA	NC
Max	Ground	Both	High Boom	Hiker/Hunter	8.26E-03	2.86E-02	2.36E-04	NA	NC
Typical	Aerial	Agricultural	Helicopter	Berry - child	6.64E-03	6.67E-02	4.43E-04	NA	NC
Typical	Aerial	Forestry	Helicopter	Berry - child	7.58E-03	6.67E-02	5.05E-04	NA	NC
Typical	Ground	Both	Low Boom	Berry - child	5.99E-03	6.67E-02	3.99E-04	NA	NC
Typical	Ground	Both	High Boom	Berry - child	6.04E-03	6.67E-02	4.03E-04	NA	NC
Max	Aerial	Agricultural	Helicopter	Berry - child	7.86E-03	6.67E-02	5.24E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Berry - child	1.19E-02	6.67E-02	7.94E-04	NA	NC
Max	Ground	Both	Low Boom	Berry - child	8.11E-03	6.67E-02	5.41E-04	NA	NC
Max	Ground	Both	High Boom	Berry - child	8.26E-03	6.67E-02	5.51E-04	NA	NC
Typical	Aerial	Agricultural	Helicopter	Berry - adult	6.64E-03	2.86E-02	1.90E-04	NA	NC
Typical	Aerial	Forestry	Helicopter	Berry - adult	7.58E-03	2.86E-02	2.17E-04	NA	NC
Typical	Ground	Both	Low Boom	Berry - adult	5.99E-03	2.86E-02	1.71E-04	NA	NC
Typical	Ground	Both	High Boom	Berry - adult	6.04E-03	2.86E-02	1.73E-04	NA	NC
Max	Aerial	Agricultural	Helicopter	Berry - adult	7.86E-03	2.86E-02	2.24E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Berry - adult	1.19E-02	2.86E-02	3.40E-04	NA	NC
Max	Ground	Both	Low Boom	Berry - adult	8.11E-03	2.86E-02	2.32E-04	NA	NC
Max	Ground	Both	High Boom	Berry - adult	8.26E-03	2.86E-02	2.36E-04	NA	NC
Typical	Aerial	Agricultural	Helicopter	Angler	6.64E-03	2.86E-02	1.90E-04	NA	NC
Typical	Aerial	Forestry	Helicopter	Angler	7.58E-03	2.86E-02	2.17E-04	NA	NC
Typical	Ground	Both	Low Boom	Angler	5.99E-03	2.86E-02	1.71E-04	NA	NC
Typical	Ground	Both	High Boom	Angler	6.04E-03	2.86E-02	1.73E-04	NA	NC
Max	Aerial	Agricultural	Helicopter	Angler	7.86E-03	2.86E-02	2.24E-04	NA	NC
Max	Aerial	Forestry	Helicopter	Angler	1.19E-02	2.86E-02	3.40E-04	NA	NC
Max	Ground	Both	Low Boom	Angler	8.11E-03	2.86E-02	2.32E-04	NA	NC
Max	Ground	Both	High Boom	Angler	8.26E-03	2.86E-02	2.36E-04	NA	NC

Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion - Short-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Short-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water - Short-Term PAD (mg/kg-day) Acute	%PAD (unitless) Acute
Typical	Aerial	Agricultural	Helicopter	N.American - child	6.64E-03	3.33E-02	2.21E-04	NA	NC
Typical	Aerial	Forestry	Helicopter	N.American - child	7.58E-03	3.33E-02	2.53E-04	NA	NC
Typical	Ground	Both	Low Boom	N.American - child	5.99E-03	3.33E-02	2.00E-04	NA	NC
Typical	Ground	Both	High Boom	N.American - child	6.04E-03	3.33E-02	2.01E-04	NA	NC
Max	Aerial	Agricultural	Helicopter	N.American - child	7.86E-03	3.33E-02	2.62E-04	NA	NC
Max	Aerial	Forestry	Helicopter	N.American - child	1.19E-02	3.33E-02	3.97E-04	NA	NC
Max	Ground	Both	Low Boom	N.American - child	8.11E-03	3.33E-02	2.70E-04	NA	NC
Max	Ground	Both	High Boom	N.American - child	8.26E-03	3.33E-02	2.75E-04	NA	NC
Typical	Aerial	Agricultural	Helicopter	N.American - adult	6.64E-03	1.43E-02	9.49E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	N.American - adult	7.58E-03	1.43E-02	1.08E-04	NA	NC
Typical	Ground	Both	Low Boom	N.American - adult	5.99E-03	1.43E-02	8.55E-05	NA	NC
Typical	Ground	Both	High Boom	N.American - adult	6.04E-03	1.43E-02	8.63E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	N.American - adult	7.86E-03	1.43E-02	1.12E-04	NA	NC
Max	Aerial	Forestry	Helicopter	N.American - adult	1.19E-02	1.43E-02	1.70E-04	NA	NC
Max	Ground	Both	Low Boom	N.American - adult	8.11E-03	1.43E-02	1.16E-04	NA	NC
Max	Ground	Both	High Boom	N.American - adult	8.26E-03	1.43E-02	1.18E-04	NA	NC

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 - Short-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Short-Term Water Concentration (mg/L)	Bioconcentration Factor (L/kg)	Unit Correction Factor (kg/mg)	Exposure Factor (mg/kg-day)	Absorbed Dose (mg/kg-day)	Short-Term PAD (mg/kg-day) Acute	Short-Term %PAD (unitless) Acute
Typical	Aerial	Agricultural	Helicopter	Angler	6.64E-03	1.00E+00	1.00E-06	9.00E+02	5.98E-06	NA	NC
Typical	Aerial	Forestry	Helicopter	Angler	7.58E-03	1.00E+00	1.00E-06	9.00E+02	6.82E-06	NA	NC
Typical	Ground	Both	Low Boom	Angler	5.99E-03	1.00E+00	1.00E-06	9.00E+02	5.39E-06	NA	NC
Typical	Ground	Both	High Boom	Angler	6.04E-03	1.00E+00	1.00E-06	9.00E+02	5.44E-06	NA	NC
Max	Aerial	Agricultural	Helicopter	Angler	7.86E-03	1.00E+00	1.00E-06	9.00E+02	7.07E-06	NA	NC
Max	Aerial	Forestry	Helicopter	Angler	1.19E-02	1.00E+00	1.00E-06	9.00E+02	1.07E-05	NA	NC
Max	Ground	Both	Low Boom	Angler	8.11E-03	1.00E+00	1.00E-06	9.00E+02	7.30E-06	NA	NC
Max	Ground	Both	High Boom	Angler	8.26E-03	1.00E+00	1.00E-06	9.00E+02	7.44E-06	NA	NC
Typical	Aerial	Agricultural	Helicopter	N.American - child	6.64E-03	1.00E+00	1.00E-06	1.27E+04	8.42E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	N.American - child	7.58E-03	1.00E+00	1.00E-06	1.27E+04	9.60E-05	NA	NC
Typical	Ground	Both	Low Boom	N.American - child	5.99E-03	1.00E+00	1.00E-06	1.27E+04	7.58E-05	NA	NC
Typical	Ground	Both	High Boom	N.American - child	6.04E-03	1.00E+00	1.00E-06	1.27E+04	7.66E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	N.American - child	7.86E-03	1.00E+00	1.00E-06	1.27E+04	9.95E-05	NA	NC
Max	Aerial	Forestry	Helicopter	N.American - child	1.19E-02	1.00E+00	1.00E-06	1.27E+04	1.51E-04	NA	NC
Max	Ground	Both	Low Boom	N.American - child	8.11E-03	1.00E+00	1.00E-06	1.27E+04	1.03E-04	NA	NC
Max	Ground	Both	High Boom	N.American - child	8.26E-03	1.00E+00	1.00E-06	1.27E+04	1.05E-04	NA	NC
Typical	Aerial	Agricultural	Helicopter	N.American - adult	6.64E-03	1.00E+00	1.00E-06	1.26E+04	8.40E-05	NA	NC
Typical	Aerial	Forestry	Helicopter	N.American - adult	7.58E-03	1.00E+00	1.00E-06	1.26E+04	9.58E-05	NA	NC
Typical	Ground	Both	Low Boom	N.American - adult	5.99E-03	1.00E+00	1.00E-06	1.26E+04	7.57E-05	NA	NC
Typical	Ground	Both	High Boom	N.American - adult	6.04E-03	1.00E+00	1.00E-06	1.26E+04	7.64E-05	NA	NC
Max	Aerial	Agricultural	Helicopter	N.American - adult	7.86E-03	1.00E+00	1.00E-06	1.26E+04	9.93E-05	NA	NC
Max	Aerial	Forestry	Helicopter	N.American - adult	1.19E-02	1.00E+00	1.00E-06	1.26E+04	1.51E-04	NA	NC
Max	Ground	Both	Low Boom	N.American - adult	8.11E-03	1.00E+00	1.00E-06	1.26E+04	1.03E-04	NA	NC
Max	Ground	Both	High Boom	N.American - adult	8.26E-03	1.00E+00	1.00E-06	1.26E+04	1.04E-04	NA	NC

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

Calculation Aggregrate Risk Index - Short Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Short-Term
						Short-Term Dermal		Short/Int Term Oral	Short/Int Term Oral	Acute	Acute	Acute	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Typical	Ground	Both	Low Boom	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Typical	Ground	Both	High Boom	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Max	Ground	Both	Low Boom	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Max	Ground	Both	High Boom	Hiker/Hunter	1.00E+02	--	--	--	--	NC	--	--	NC
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Aerial	Forestry	Helicopter	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Ground	Both	Low Boom	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Ground	Both	High Boom	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Aerial	Forestry	Helicopter	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Ground	Both	Low Boom	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Ground	Both	High Boom	Berry - child	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Aerial	Forestry	Helicopter	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Ground	Both	Low Boom	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Ground	Both	High Boom	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Aerial	Forestry	Helicopter	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Ground	Both	Low Boom	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Max	Ground	Both	High Boom	Berry - adult	1.00E+02	--	--	--	--	NC	NC	--	NC
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Typical	Aerial	Forestry	Helicopter	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Typical	Ground	Both	Low Boom	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Typical	Ground	Both	High Boom	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Max	Aerial	Forestry	Helicopter	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Max	Ground	Both	Low Boom	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC
Max	Ground	Both	High Boom	Angler	1.00E+02	--	--	--	--	NC	--	NC	NC

Calculation Aggregrate Risk Index - Short Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Short-Term
						Short-Term Dermal		Short/Int Term Oral	Short/Int Term Oral				
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Acute Water %PAD	Acute Berries %PAD	Acute Fish %PAD	Aggregate Risk Index
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Aerial	Forestry	Helicopter	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Ground	Both	Low Boom	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Ground	Both	High Boom	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Aerial	Forestry	Helicopter	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Ground	Both	Low Boom	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Ground	Both	High Boom	Res-child	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Aerial	Forestry	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Ground	Both	Low Boom	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Ground	Both	High Boom	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Aerial	Forestry	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Ground	Both	Low Boom	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Max	Ground	Both	High Boom	Res-adult	1.00E+02	--	--	--	--	--	NC	--	NC
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	--	--	1.33E+08	--	NC	NC	NC	1.33E+06
Typical	Aerial	Forestry	Helicopter	N.A.-child	1.00E+02	--	--	1.16E+08	--	NC	NC	NC	1.16E+06
Typical	Ground	Both	Low Boom	N.A.-child	1.00E+02	--	--	1.47E+08	--	NC	NC	NC	1.47E+06
Typical	Ground	Both	High Boom	N.A.-child	1.00E+02	--	--	1.46E+08	--	NC	NC	NC	1.46E+06
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	--	--	1.12E+08	--	NC	NC	NC	1.12E+06
Max	Aerial	Forestry	Helicopter	N.A.-child	1.00E+02	--	--	7.39E+07	--	NC	NC	NC	7.39E+05
Max	Ground	Both	Low Boom	N.A.-child	1.00E+02	--	--	1.09E+08	--	NC	NC	NC	1.09E+06
Max	Ground	Both	High Boom	N.A.-child	1.00E+02	--	--	1.07E+08	--	NC	NC	NC	1.07E+06
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	--	--	2.27E+08	--	NC	NC	NC	2.27E+06
Typical	Aerial	Forestry	Helicopter	N.A.-adult	1.00E+02	--	--	1.99E+08	--	NC	NC	NC	1.99E+06
Typical	Ground	Both	Low Boom	N.A.-adult	1.00E+02	--	--	2.52E+08	--	NC	NC	NC	2.52E+06
Typical	Ground	Both	High Boom	N.A.-adult	1.00E+02	--	--	2.49E+08	--	NC	NC	NC	2.49E+06
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	--	--	1.92E+08	--	NC	NC	NC	1.92E+06
Max	Aerial	Forestry	Helicopter	N.A.-adult	1.00E+02	--	--	1.26E+08	--	NC	NC	NC	1.26E+06
Max	Ground	Both	Low Boom	N.A.-adult	1.00E+02	--	--	1.86E+08	--	NC	NC	NC	1.86E+06
Max	Ground	Both	High Boom	N.A.-adult	1.00E+02	--	--	1.82E+08	--	NC	NC	NC	1.82E+06

Calculation Aggregrate Risk Index - Short Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Short-Term
						Short-Term Dermal		Short/Int Term Oral	Short/Int Term Oral	Acute	Acute	Acute	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	3.45E+08	2.26E+05	--	--	--	2.26E+03
Typical	Aerial	Forestry	Helicopter	Swimmer-child	1.00E+02	--	--	3.02E+08	1.98E+05	--	--	--	1.98E+03
Typical	Ground	Both	Low Boom	Swimmer-child	1.00E+02	--	--	3.82E+08	2.51E+05	--	--	--	2.50E+03
Typical	Ground	Both	High Boom	Swimmer-child	1.00E+02	--	--	3.79E+08	2.48E+05	--	--	--	2.48E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	2.91E+08	1.91E+05	--	--	--	1.91E+03
Max	Aerial	Forestry	Helicopter	Swimmer-child	1.00E+02	--	--	1.92E+08	1.26E+05	--	--	--	1.26E+03
Max	Ground	Both	Low Boom	Swimmer-child	1.00E+02	--	--	2.82E+08	1.85E+05	--	--	--	1.85E+03
Max	Ground	Both	High Boom	Swimmer-child	1.00E+02	--	--	2.77E+08	1.82E+05	--	--	--	1.81E+03
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	5.90E+08	1.05E+06	--	--	--	1.05E+04
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	1.00E+02	--	--	5.17E+08	9.24E+05	--	--	--	9.22E+03
Typical	Ground	Both	Low Boom	Swimmer-adult	1.00E+02	--	--	6.54E+08	1.17E+06	--	--	--	1.17E+04
Typical	Ground	Both	High Boom	Swimmer-adult	1.00E+02	--	--	6.48E+08	1.16E+06	--	--	--	1.16E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	4.99E+08	8.91E+05	--	--	--	8.90E+03
Max	Aerial	Forestry	Helicopter	Swimmer-adult	1.00E+02	--	--	3.29E+08	5.88E+05	--	--	--	5.87E+03
Max	Ground	Both	Low Boom	Swimmer-adult	1.00E+02	--	--	4.83E+08	8.63E+05	--	--	--	8.62E+03
Max	Ground	Both	High Boom	Swimmer-adult	1.00E+02	--	--	4.74E+08	8.47E+05	--	--	--	8.46E+03

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