

Calculation: Potential Doses and Margins of Exposure  
 Scenario: Occupational Receptors (all) - Accidental Exposure (Spill) - Concentrated Solution Scenario  
 Pathway: Dermal Contact with Pesticide  
 Program: Rangeland, Forest, Energy/Mineral, Right of Way, Recreation/Cultural, Aquatic

Pesticide	Amount Spilled (L)	Concentration of Active Ingredient in Spill (a) (lb a.i./gallon)	Concentration of Active Ingredient in Spill (a) (mg a.i./L)	Dermal Abs. Factor	Body Weight (kg)	Ratio of Skin Exposed (b)	Dermal Dose (mg/kg-day)	Short-Term Dermal NOAEL (mg/kg-day)	Margin of Exposure (unitless)	Uncertainty Factor/ Target of Exposure (unitless)	Aggregate Risk Index
Diiflufenzopyr	0.5	0.02	2,402	NA	70	0.44	NA	NA	--	--	NC
Diquat	0.5	2	240,212	0.041	70	0.44	30.95	1	0.032	100	0.00032
Fluridone	0.5	4	480,423	0.4	70	0.44	603.96	125	0.207	100	0.00207
Imazapic	0.5	2	240,212	0.5	70	0.44	377.48	NA	--	--	NC
Sulfometuron Methyl	0.5	0.076	9,128	NA	70	0.44	NA	NA	--	--	NC
Dicamba	0.5	0.05	6,005	0.15	70	0.44	2.83	45	15.90	100	0.16

Notes:

(a) - See Table 4-6.

(b) - Equals (80% spilled to clothing \* 30% penetration rate) + 20% spilled to bare skin.

Calculation: Potential Doses and Margins of Exposure  
 Scenario: Occupational Receptors (all) - Accidental Exposure (Spill) - Mixed Solution Scenario - Maximum Application Rate  
 Pathway: Dermal Contact with Pesticide  
 Program: Rangeland, Forest, Energy/Mineral, Right of Way, Recreation/Cultural, Aquatic

Pesticide	Amount Spilled (L)	Concentration of Active Ingredient in Spill (a) (lb a.i./gallon)	Concentration of Active Ingredient in Spill (a) (mg a.i./L)	Dermal Abs. Factor	Body Weight (kg)	Ratio of Skin Exposed (b)	Dermal Dose (mg/kg-day)	Short-Term Dermal NOAEL (mg/kg-day)	Margin of Exposure (unitless)	Uncertainty Factor/Target Margin of Exposure (unitless)	Aggregate Risk Index
Diquat	0.5	0.8	96,085	0.041	70	0.44	12.38	1	0.081	100	0.00081
Fluridone	0.5	0.26	31,228	0.4	70	0.44	39.26	125	3.184	100	0.03184

Notes:

(a) - See Table 4-2.

(b) - Equals (80% spilled to clothing \* 30% penetration rate) + 20% spilled to bare skin.

Calculation: Potential Doses and Margins of Exposure  
 Scenario: Occupational Receptors (all) - Accidental Exposure (Spill) - Mixed Solution Scenario - Typical Application Rate  
 Pathway: Dermal Contact with Pesticide  
 Program: Rangeland, Forest, Energy/Mineral, Right of Way, Recreation/Cultural, Aquatic

Pesticide	Amount Spilled (L)	Concentration of Active Ingredient in Spill (a) (lb a.i./gallon)	Concentration of Active Ingredient in Spill (a) (mg a.i./L)	Dermal Abs. Factor	Body Weight (kg)	Ratio of Skin Exposed (b)	Dermal Dose (mg/kg-day)	Short-Term Dermal NOAEL (mg/kg-day)	Margin of Exposure (unitless)	Uncertainty Factor/Target Margin of Exposure (unitless)	Aggregate Risk Index
Diquat	0.5	0.2	24,021	0.041	70	0.44	3.10	1	0.323	100	0.00323
Fluridone	0.5	0.082	9,849	0.4	70	0.44	12.38	125	10.096	100	0.10096
Dicamba	0.5	0.05	4,504	0.15	70	0.44	2.12	45	21.193	100	0.21193

Notes: (a) - See Table 4-?.

(b) - Equals (80% spilled to clothing \* 30% penetration rate) + 20% spilled to bare skin.