

APPENDIX E

Acute Toxicity Classification and Acute Toxicities of Selected Herbicides in Relation to Other Chemicals

Toxicity Category* (label signal words)	Herbicide or Other Chemical Substance	Oral LD ₅₀ for Rats** (mg/kg)	Equivalent Human Dose
IV - Very Slight		5,000 to 50,000	More than 1 pint
	Sugar	30,000	
III - Slight - Caution		500 - 5,000	1 ounce to 1 pint
	Glyphosate	4,320	
	Picloram	4,012	
	Table Salt	3,750	
	Aspirin	1,700	
	Dicamba	757	
II - Moderate - Warning		50 - 500	1 teaspoon to 1 ounce
	2,4-D	375	
	Caffeine	200	
I - Severe - Danger - Poison		0 - 50	1 teaspoon or less
	Nicotine	50	

* Categories, signal words, and LD₅₀ ranges are based on a classification system used by EPA for labeling pesticides.

** The median lethal dose (LD₅₀) which is the dose, usually administered orally, which kills 50% of the test animals. The lower the LD₅₀, the greater the toxicity of the chemical.

SOURCE: USDA Forest Service, Risk Assessment for Herbicide Use in Forest Service Regions 1, 2, 3, 4, and 10 and on Bonneville Power Administration Sites, September 1992, Table III-C-1, p. III-C-6