What is Used to Determine a Soil Reference Value (SRV)?

What Type of Site is Being Evaluated?

Residential/Recreational

Housing

School

Hiking Trails

Commercial/Industrial

Restaurant

Hotel

Manufacturer

How Does a Person Contact the Soil?

Residential/Recreational

- Adults and children
- More frequent contact

Gardening

Children Playing

Commercial/Industrial

- Adults only
- Less frequent contact

Outdoor Workers

SRVs for Example Chemical:

Residential/Recreational SRV = 10 mg/kg

Commercial/Industrial SRV = 100 mg/kg

Both Based on Cancer Health Impacts

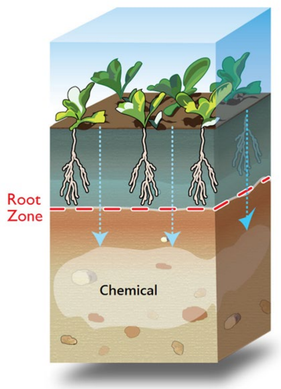
How Does the Chemical Impact a Person's Health?

Laboratory Studies

Cancer Impacts	Noncancer Impacts
Residential/Recreational SRV = *10 mg/kg*	Residential/Recreational SRV = 20 mg/kg
Commercial/Industrial SRV = *100 mg/kg*	Commercial/Industrial SRV = 200 mg/kg

Example SRV based on cancer impacts is used since this SRV is the lowest numerical value and is the most protective

How Does the Chemical Act in the Soil?



Laboratory Studies

Examples:

- Is the chemical likely to move through the soil easily?
- What type of soil is the chemical in?

Minnesota Pollution Control Agency

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