

US EPA ARCHIVE DOCUMENT

Table SP8. Results by Sub-Populations - Land Application Units

Land Application Units - 2000m		Protection Group 1							
		10-6		99% Pop		95% Prob		HH (0.1)	Eco (1)
		Beef/Dairy Farmer		Gardener		Fisher		Resident	
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 5E-06,(ing)	= 1E-01,(ing)	= 8E-07,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)	= 8E-07,(ing)	< 1E-01,(inh)
Benzene	71-43-2	< 1E-08,(cmb)	note 3	= 2E-06,(cmb)	note 3	= 3E-06,(cmb)	note 3	< 5E-07,(cmb)	note 3
Pentachlorophenol	87-86-5	Invalid curve,(ing)	= 3E-01,(ing)	< 1E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)
Mercury	7439-97-6	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)
Lead	7439-92-1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1

		Protection Group 2							
		10-6		99% Pop		90% Prob		HH (1)	Eco (1)
		Beef/Dairy Farmer		Gardener		Fisher		Resident	
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 5E-06,(ing)	= 1E-01,(ing)	= 7E-07,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)	= 7E-07,(ing)	< 1E-01,(inh)
Benzene	71-43-2	< 1E-08,(cmb)	note 3	= 2E-06,(cmb)	note 3	= 3E-06,(cmb)	note 3	< 5E-07,(cmb)	note 3
Pentachlorophenol	87-86-5	Invalid curve,(ing)	= 5E-01,(ing)	< 1E-06,(ing)	< 1E-01,(inh)	= 2E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)
Mercury	7439-97-6	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)
Lead	7439-92-1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1

Land Application Units - 2000m - by Sub-Populations		Protection Group 3							
		10-5		99% Pop		90% Prob		HH (1)	Eco (1)
		Beef/Dairy Farmer		Gardener		Fisher		Resident	
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 3E-05,(ing)	= 3E+00,(ing)	< 1E-05,(ing)	= 1E-01,(ing)	= 1E-05,(ing)	= 5E-01,(ing)	< 1E-05,(ing)	= 1E-01,(ing)
Benzene	71-43-2	= 3E-06,(cmb)	note 3	= 3E-05,(cmb)	note 3	= 3E-05,(cmb)	note 3	= 8E-06,(cmb)	note 3
Pentachlorophenol	87-86-5	Invalid curve,(ing)	= 3E+00,(ing)	= 1E-05,(ing)	= 2E-02,(ing)	= 1E-05,(ing)	= 2E-02,(ing)	= 1E-05,(ing)	= 2E-02,(ing)
Mercury	7439-97-6	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)
Lead	7439-92-1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1

		Protection Group 4							
		10-5		95% Pop		90% Prob		HH (1)	Eco (10)
		Beef/Dairy Farmer		Gardener		Fisher		Resident	
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 5E-05,(ing)	= 5E+00,(ing)	< 1E-05,(ing)	= 2E-01,(ing)	< 1E-05,(ing)	= 4E-01,(ing)	= 1E-05,(ing)	= 1E-01,(ing)
Benzene	71-43-2	< 1E-05,(cmb)	note 3	< 1E-05,(cmb)	note 3	< 1E-05,(cmb)	note 3	< 5E-06,(cmb)	note 3
Pentachlorophenol	87-86-5	Invalid curve,(ing)	= 4E+00,(ing)	< 1E-05,(ing)	= 3E-02,(ing)	= 1E-05,(ing)	= 3E-02,(ing)	< 1E-05,(ing)	= 9E-03,(ing)
Mercury	7439-97-6	note 2	< 1E-01,(ing)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)
Lead	7439-92-1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1

- note 1: Human impacts were not evaluated due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- NA: Not Applicable
- No Curve: For this chemical, inhalation and ingestion pathways are not additive.