Appendix VII Occupational postapplication exposure and risk assessment

Crop	Use directions[a] AR (g a.i./ha) (Number of applications)	Peak DFR[b] (µg a.i./cm^2)	Activity	TC[c] (cm^2/hr)	Dermal Exposure[d] (mg/kg bw/day)	MOE[e]	REI (hours)
Seed alfalfa; Established red and alsike clovers for seed production only; Seedling or established creeping red fescue for seed production only: Seedling legumes for seed production (for bird's-foot trefoil, alsike, red, white and sweet clover and sainfoin); Industrial hemp grown for fibre, seed and oil; Rutabagas; Chickpeas; Field and seed corn; Lentils; Dry beans; Dry common beans; Peas (field and processing); Snap beans; Narrow leaf lupin; Cucurbit Vegetables; Saskatoon Berry; Crop, subgroup 13-07F (Small fruits vine climbing, except fuzzy Kiwifruit);	72 (1×)	0.18	Irrigation (hand set)	1750	0.0158	165	12
Canola; Crambe ; Flax (including low linolenic acid varieties); Yellow, and brown mustard; Oriental mustard (including canola quality Brassica juncea) (condiment and oilseed type); Soybeans;			Scouting	1100	0.0099	263	
Sunflowers Tribenuron-methyl toleranct sunflowers			Scouting	90	0.0008	3210	
Crop, subgroup 13-07F (Small fruits vine climbing, except fuzzy Kiwifruit)			Scouting/ Weeding, Hand	640	0.0058	451	
Crop group 1-09 (Pome Fruit); and 12-09 (Stone Fruit)			Scouting	580	0.0052	498	
Ethiopian mustard (Brassica carinata);	48 (1×)	0.12	Scouting	1100	0.0066	394	
Sugarbeets	72 (1×)	0.18	Scouting	210	0.0019	1376	
	36 (2×, RTI 14 days)	0.11	Scouting	210	0.0012	2239	
Camelina sativa	72 (1×, REI of 4 days)	0.12	Scouting	1100	0.0065	400	4 (days)

AR = application rate; RTI = re-treatment interval; DFR = dislodgeable foliar residue; TC = transfer coefficient
MOE = margin of exposure; REI = restricted-entry interval; CF = conversion factor

[a] Use directions as per current product labels
[b] Peak DFR (µg a.i./cm^2) – calculated assuming 25% of application rate with a 10% residue dissipation per day
[c] TC (cm^2/hr) – values from the Agricultural Re-entry Task Force (ARTF) database
[d] Dermal Exposure (mg/kg bw/day) = TC (cm^2/hr) × DFR (µg a.i./cm^2) × CF (1 mg/1000 µg) × 50% dermal absorption × 8 hours/day / average worker body weight (80 kg)
[e] Based on a NOAEL of 2.6 mg/kg bw/day, target MOE of 100 (Appendix III)