

Appendix D. TerrPlant Example Output

Terrestrial Plant EECs and Acute Non Endangered RQs (November 9, 2005; version 1.2.1)

Chemical: Telone

Input Values	
Application Rate (lb a.i./acre)	555.5
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05
Minimum Incorporation Depth (cm)	30
Seed Emerg Monocot EC25 (lb a.i./acre)	11.69
Seed Emerg Dicot EC25 (lb a.i./acre)	2.19
Veg Vigor Monocot EC25 (lb a.i./acre)	2.19
Veg Vigor Dicot EC25 (lb a.i./acre)	4.08

Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				
Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = Channelized Runoff + Drift)	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	
Ground Unincorp.	33.3300	283.3050	5.5550	
Ground Incorp	6.4808	14.8133	5.5550	
Aerial, Airblast, Spray Chemigation	55.5500	305.5250	27.7750	

Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC25		Emergence RQs, Semi-aquatic Areas RQ = EEC/Seedling Emergence EC25		Drift RQs RQ = Drift EEC/Vegetative Vigor EC25	
Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
2.85	15.22	24.23	129.36	2.54	1.36
0.55	2.96	1.27	6.76	2.54	1.36
4.75	25.37	26.14	139.51	12.68	6.81

EECs for GRANULAR formulation applications (lbs a.i./acre)		
Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff)	Total Loading to Semiaquatic Areas (EEC = Channelized Runoff)
Unincorp.	27.7750	277.7500
Incorp.	0.9258	9.2583

RQs for GRANULAR formulation applications			
Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC25		Emergence RQs, Semiaquatic Areas RQ = EEC/Seedling Emergence EC25	
Monocot	Dicot	Monocot	Dicot
2.38	12.68	23.76	126.83
0.08	0.42	0.79	4.23