Appendix F: TerrPlant Example Output

Output based on ground application of simazine to Christmas trees @ 5.94 lb ai/A

Table 1. Chemical Identity.	
Chemical Name	**Simazine**
PC code	**80807**
Use	**Christmas trees**
Application Method	**ground**
Application Form	**liquid**
Solubility in Water (ppm)	**3.5**

Table 2. Input parameters used to derive EECs.			
Input Parameter	**Symbol**	**Value**	**Units**
Application Rate	A	**5.94**	**y**
Incorporation	I	**1**	none
Runoff Fraction	R	**0.01**	none
Drift Fraction	D	**0.01**	none

Table 3. EECs for Simazine. Units in y.		
Description	**Equation**	**EEC**
Runoff to dry areas	(A/I)*R	0.0594
Runoff to semi-aquatic areas	(A/I)*R*10	0.594
Spray drift	**A*D**	**0.0594**
Total for dry areas	**((A/I)*R)+(A*D)**	**0.1188**
Total for semi-aquatic areas	**((A/I)*R*10)+(A*D)**	**0.6534**

Table 4. Plant survival and growth data used for RQ derivation. Units are in y.				
	Seedling Emergence		**Vegetative Vigor**	
Plant type	**EC_{25}**	**NOAEC**	**EC_{25}**	**NOAEC**
Monocot	**0.02**	**x**	**0.033**	**x**
Dicot	**0.009**	**x**	**0.033**	**x**

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Simazine through runoff and/or spray drift.*				
Plant Type	**Listed Status**	**Dry**	**Semi-Aquatic**	**Spray Drift**
Monocot	non-listed	5.94	32.67	2.97
Monocot	listed	#VALUE!	#VALUE!	#VALUE!
Dicot	non-listed	13.20	72.60	6.60
Dicot	listed	#VALUE!	#VALUE!	#VALUE!

*If RQ > 1.0, the LOC is exceeded, resulting in potential for risk to that plant group.