

Appendix F

Terrplant Example Output

Table 1. Chemical Identity.	
Chemical Name	Glyphosate
PC code	417300
Use	Forestry
Application Method	Aerial
Application Form	liquid
Solubility in Water (ppm)	12,000

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	7.95	lb a.e./A
Incorporation	I	1	none
Runoff Fraction	R	0.05	none
Drift Fraction	D	0.05	none

Table 3. EECs for Glyphosate. Units in lb a.e./A.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.3975
Runoff to semi-aquatic areas	$(A/I)*R*10$	3.975
Spray drift	$A*D$	0.3975
Total for dry areas	$((A/I)*R)+(A*D)$	0.795
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	4.3725

Table 4. Plant survival and growth data used for RQ derivation. Units are in lb a.e./A.				
Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	5	5	0.16	0.07
Dicot	5	5	0.074	0.049

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Glyphosate through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	0.16	0.87	2.48
Monocot	listed	0.16	0.87	5.68
Dicot	non-listed	0.16	0.87	5.37
Dicot	listed	0.16	0.87	8.11

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