

Appendix F. Example Output for TerrPlant

Table 1. Chemical Identity.	
Chemical Name	Deltamethrin
PC code	97805
Use	Non-Agr. Rights-of-Way, Fencerows, Hedgerows, Solid Waste Sites, Paved Areas (Perimeter Treatment)
Application Method	G
Application Form	liquid
Solubility in Water (ppm)	0.0002

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	0.001878	y
Incorporation	I	1	none
Runoff Fraction	R	0.01	none
Drift Fraction	D	0.01	none

Table 3. EECs for Deltamethrin. Units in y.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.00001878
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.0001878
Spray drift	$A*D$	0.00001878
Total for dry areas	$((A/I)*R)+(A*D)$	0.00003756
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.00020658

Table 4. Plant survival and growth data used for RQ derivation. Units are in y.				
Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	0.011	0.011	0.011	0.011
Dicot	0.011	0.011	0.011	0.011

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Deltamethrin through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	<0.1	<0.1	<0.1
Monocot	listed	<0.1	<0.1	<0.1
Dicot	non-listed	<0.1	<0.1	<0.1
Dicot	listed	<0.1	<0.1	<0.1

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