

APPENDIX F – Example Output for TerrPlant

Green values signify user inputs (Tables 1, 2 and 4).

Input and output guidance is in popups indicated by red arrows.

Table 1. Chemical Identity.	
Chemical Name	chlorothalonil
PC code	89101
Use	ornamentals - aerial
Application Method	Aerial
Application Form	Spray
Solubility in Water (ppm)	0.96

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	11.4	y
Incorporation	I	1	none
Runoff Fraction	R	0.01	none
Drift Fraction	D	0.05	none

Table 3. EECs for chlorothalonil. Units in y.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.114
Runoff to semi-aquatic areas	$(A/I)*R*10$	1.14
Spray drift	$A*D$	0.57
Total for dry areas	$((A/I)*R)+(A*D)$	0.684
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	1.71

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	x	x	x	x
Dicot	x	x	x	x

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to chlorothalonil through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	#VALUE!	#VALUE!	#DIV/0!
Monocot	listed	#VALUE!	#VALUE!	#DIV/0!
Dicot	non-listed	#VALUE!	#VALUE!	#DIV/0!
Dicot	listed	#VALUE!	#VALUE!	#DIV/0!

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

Green values signify user inputs (Tables 1, 2 and 4).

Input and output guidance is in popups indicated by red arrows.

Table 1. Chemical Identity.	
Chemical Name	chlorothalonil
PC code	89101
Use	yam
Application Method	Aerial
Application Form	Spray
Solubility in Water (ppm)	0.96

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	0.94	y
Incorporation	I	1	none
Runoff Fraction	R	0.01	none
Drift Fraction	D	0.05	none

Table 3. EECs for chlorothalonil. Units in y.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.0094
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.094
Spray drift	$A*D$	0.047
Total for dry areas	$((A/I)*R)+(A*D)$	0.0564
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.141

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	x	x	x	x
Dicot	x	x	x	x

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to chlorothalonil through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	#VALUE!	#VALUE!	#DIV/0!
Monocot	listed	#VALUE!	#VALUE!	#DIV/0!
Dicot	non-listed	#VALUE!	#VALUE!	#DIV/0!
Dicot	listed	#VALUE!	#VALUE!	#DIV/0!

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