

Appendix F. Example Output from TerrPlant Version 1.2.2

TerrPlant v. 1.2.2

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	Acephate
PC code	103301
Use	Insecticide
Application Method	Aerial
Application Form	Liquid
Solubility in Water (ppm)	801000

Table 2. Input parameters used to derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	0.1245	lb ai/A
Incorporation	I	1	none
Runoff Fraction	R	0.05	none
Drift Fraction	D	0.05	none

Table 3. EECs for Acephate. Units in lb ai/A.

Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.006225
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.06225
Spray drift	$A*D$	0.006225
Total for dry areas	$((A/I)*R)+(A*D)$	0.01245
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.068475

Table 4. Plant survival and growth data used for RQ derivation. Units are in lb ai/A.

Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	x	3.96	x	3.96
Dicot	x	3.96	x	3.96

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Acephate through runoff and/or spray drift.*

Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	#VALUE!	#VALUE!	#DIV/0!
Monocot	listed	<0.1	<0.1	<0.1
Dicot	non-listed	#VALUE!	#VALUE!	#DIV/0!
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.