Appendix H. Example Terrplant Version 1.2.2 Analysis

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	Diazinon
PC code	57801
Use	Lettuce
Application Method	Aerial
Application Form	liquid
Solubility in Water (ppm)	65.5

Table 2. Input parameters used to derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	2.05	
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0.05	none

Table 3. EECs for Diazinon. Units in .

Description	Equation	EEC
Runoff to dry areas	(A/I)*R	0.041
Runoff to semi-aquatic areas	(A/I)*R*10	0.41
Spray drift	A*D	0.1025
Total for dry areas	((A/I)*R)+(A*D)	0.1435
Total for semi-aquatic areas	((A/I)*R*10)+(A*D)	0.5125

Table 4. Plant survival and growth data used for RQ derivation. Units are in .

Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	5.26	0.17	7	7
Dicot	9.03	1.58	3.23	1.27

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Diazinon 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	0.84	3.01	0.60
Dicot	non-listed	<0.1	<0.1	<0.1
Dicot	listed	<0.1	0.32	<0.1