Appendix G: TERRPLANT Example Output

Output based on broadcast ground application of oryzalin to non-planted industrial areas @ 6.12 lb ai/A

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	**Oryzalin**
PC code	**104201**
Use	**Herbicide**
Application Method	**Ground Broadcast (Industrial areas)**
Application Form	**Liquid**
Solubility in Water (ppm)	**2.5**

Table 2. Input parameters used to derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	**6.12**	**y**
Incorporation	I	**1**	none
Runoff Fraction	R	**0.01**	none
Drift Fraction	D	**0.01**	none

Table 3. EECs for Oryzalin. Units in y.

Description	Equation	EEC
Runoff to dry areas	(A/I)*R	0.0612
Runoff to semi-aquatic areas	(A/I)*R*10	0.612
Spray drift	**A*D**	**0.0612**
Total for dry areas	**((A/I)*R)+(A*D)**	**0.1224**
Total for semi-aquatic areas	**((A/I)*R*10)+(A*D)**	**0.6732**

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

	Seedling Emergence		Vegetative Vigor	
Plant type	**EC_{25}**	**NOAEC**	**EC_{25}**	**NOAEC**
Monocot	**0.0285**	**0.008**	**0.174**	**0.0253**
Dicot	**0.0506**	**0.0506**	**0.0828**	**0.074**

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

Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	4.29	23.62	2.15
Monocot	listed	15.30	84.15	7.65
Dicot	non-listed	2.42	13.30	1.21
Dicot	listed	2.42	13.30	1.21

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