

Appendix D Sample TerrPlant

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	Norflurazon
PC code	105801
Use	x
Application Method	x
Application Form	x
Solubility in Water (ppm)	x

Table 2. Input parameters used to derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	3.93	lb ai/A
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0.01	none

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

Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.0786
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.786
Spray drift	$A*D$	0.0393
Total for dry areas	$((A/I)*R)+(A*D)$	0.1179
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.8253

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	0.034		0.13	
Dicot	0.002		0.08	

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

Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	3.47	24.27	1.16
Monocot	listed	#DIV/0!	#DIV/0!	#DIV/0!
Dicot	non-listed	58.95	412.65	19.65
Dicot	listed	#DIV/0!	#DIV/0!	#DIV/0!

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