

APPENDIX H: TerrPlant Example Output for Tribufos.

TABLE H.1. Chemical Identity.

Chemical Name	Tribufos
Use	Cotton
Application Method	Ground
Application Form	Liquid
Solubility in Water (ppm)	2.3

TABLE H.2. Input Parameters Used to Derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	1.875	lb a.i./acre
Incorporation	I	1	none
Runoff Fraction	R	0.01	none
Drift Fraction	D	0.01	none

TABLE H.3. EECs for Tribufos - Units in lb a.i./acre.

Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.01875
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.1875
Spray drift	$A*D$	0.01875
Total for dry areas	$((A/I)*R)+(A*D)$	0.0375
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.20625

TABLE H.4. Plant Survival and Growth Data Used for RQ Derivation - Units are in lb a.i./acre.

Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	2	0.45	1.8	0.48
Dicot	2	0.22	1.3	0.48

TABLE H.5. RQ Values for Plants in Dry and Semi-Aquatic Areas Exposed to Tribufos Through Runoff and/or Spray Drift.*

Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	<0.1	0.10	<0.1
Monocot	listed	<0.1	0.46	<0.1
Dicot	non-listed	<0.1	0.10	<0.1
Dicot	listed	0.17	0.94	<0.1

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