

Appendix H. 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	Thiobencarb
PC code	108401
Use	Rice
Application Method	n/a
Application Form	granular
Solubility in Water (ppm)	30

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	4.005	lbs ai/acre
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0	none

Table 3. EECs for Thiobencarb. Units in lbs ai/acre.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.0801
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.801
Spray drift	$A*D$	0
Total for dry areas	$((A/I)*R)+(A*D)$	0.0801
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.801

Table 4. Plant survival and growth data used for RQ derivation. Units are in lbs ai/acre.				
Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	0.019	0.0051	0.073	0.02
Dicot	0.082	0.071	1.2	0.12

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Thiobencarb through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	4.22	42.16	<0.1
Monocot	listed	15.71	157.06	<0.1
Dicot	non-listed	0.98	9.77	<0.1
Dicot	listed	1.13	11.28	<0.1

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

TerrPlant v. 1.2.2

Green values signify user inputs (Tables 1, 2 and 4).

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Table 1. Chemical Identity.	
Chemical Name	Thiobencarb
PC code	108401
Use	Rice
Application Method	Ground
Application Form	Liquid
Solubility in Water (ppm)	30

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	4	lbs ai/acre
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0.01	none

Table 3. EECs for Thiobencarb. Units in lbs ai/acre.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.08
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.8
Spray drift	$A*D$	0.04
Total for dry areas	$((A/I)*R)+(A*D)$	0.12
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	0.84

Table 4. Plant survival and growth data used for RQ derivation. Units are in lbs ai/acre.				
Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	0.019	0.0051	0.073	0.02
Dicot	0.082	0.071	1.2	0.12

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Thiobencarb through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	6.32	44.21	2.11
Monocot	listed	23.53	164.71	7.84
Dicot	non-listed	1.46	10.24	0.49
Dicot	listed	1.69	11.83	0.56
*If RQ > 1.0, the LOC is exceeded, resulting in potential for risk to that plant group.				

Table 1. Chemical Identity.	
Chemical Name	Thiobencarb
PC code	108401
Use	Rice
Application Method	Ground
Application Form	Liquid
Solubility in Water (ppm)	30

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	4	lbs ai/acre
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0.01	none

Table 3. EECs for Thiobencarb. Units in lbs ai/acre.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.08
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.8
Spray drift	$A*D$	0.04
Total for dry areas	$((A/I)*R)+(A*D)$	0.12
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Table 4. Plant survival and growth data used for RQ derivation. Units are in lbs ai/acre.				
Plant type	Seedling Emergence		Vegetative Vigor	
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*If RQ > 1.0, the LOC is exceeded, resulting in potential for risk to that plant group.

Table 1. Chemical Identity.	
Chemical Name	Thiobencarb
PC code	108401
Use	Rice
Application Method	Air
Application Form	Liquid
Solubility in Water (ppm)	30

Table 2. Input parameters used to derive EECs.			
Input Parameter	Symbol	Value	Units
Application Rate	A	4	lbs ai/acre
Incorporation	I	1	none
Runoff Fraction	R	0.02	none
Drift Fraction	D	0.05	none

Table 3. EECs for Thiobencarb. Units in lbs ai/acre.		
Description	Equation	EEC
Runoff to dry areas	$(A/I)*R$	0.08
Runoff to semi-aquatic areas	$(A/I)*R*10$	0.8
Spray drift	$A*D$	0.2
Total for dry areas	$((A/I)*R)+(A*D)$	0.28
Total for semi-aquatic areas	$((A/I)*R*10)+(A*D)$	1

Table 4. Plant survival and growth data used for RQ derivation. Units are in lbs ai/acre.				
Plant type	Seedling Emergence		Vegetative Vigor	
	EC25	NOAEC	EC25	NOAEC
Monocot	0.019	0.0051	0.073	0.02
Dicot	0.082	0.071	1.2	0.12

Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Thiobencarb through runoff and/or spray drift.*				
Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	14.74	52.63	10.53
Monocot	listed	54.90	196.08	39.22
Dicot	non-listed	3.41	12.20	2.44
Dicot	listed	3.94	14.08	2.82

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