Appendix C. Outputs from TerrPlant v1.2.2

Tables C1-C5 contain input and output tables from TerrPlant relevant to bromacil use on citrus. Tables C6-C10 contain input and output tables from TerrPlant relevant to bromacil use on non-cropland areas.

Table C1. Chemical Identity.

Chemical Name	**bromacil**
PC code	**12301**
Use	**citrus**
Application Method	**ground**
Application Form	**spray**
Solubility in Water (ppm)	**815**

Table C2. Input parameters used to derive EECs.

Input Parameter	Symbol	Value	Units
Application Rate	A	**6.4**	**lbs a.i./A**
Incorporation	I	**1**	none
Runoff Fraction	R	**0.05**	none
Drift Fraction	D	**0.01**	none

Table C3. EECs for bromacil. Units in lbs a.i./A.

Description	Equation	EEC
Runoff to dry areas	(A/I)*R	0.32
Runoff to semi-aquatic areas	(A/I)*R*10	3.2
Spray drift	**A*D**	**0.064**
Total for dry areas	**((A/I)*R)+(A*D)**	**0.384**
Total for semi-aquatic areas	**((A/I)*R*10)+(A*D)**	**3.264**

Table C4. Plant survival and growth data used for RQ derivation. Units are in lbs a.i./A.

	Seedling Emergence		Vegetative Vigor	
Plant type	**EC_{25}**	**NOAEC**	**EC_{25}**	**NOAEC**
Monocot	**0.03**	**x**	**0.042**	**x**
Dicot	**0.0047**	**x**	**0.0055**	**x**

Table C5. RQ values for plants in dry and semi-aquatic areas exposed to bromacil through runoff and/or spray drift.*

Plant Type	Listed Status	Dry	Semi-Aquatic	Spray Drift
Monocot	non-listed	12.80	108.80	2.13
Monocot	listed	#VALUE!	#VALUE!	#VALUE!
Dicot	non-listed	81.70	694.47	13.62
Dicot	listed	#VALUE!	#VALUE!	#VALUE!

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

Table C6. Chemical Identity.	
Chemical Name	**bromacil**
PC code	**12301**
Use	**non-cropland**
Application Method	**ground**
Application Form	**spray**
Solubility in Water (ppm)	**815**

Table C7. Input parameters used to derive EECs.			
Input Parameter	**Symbol**	**Value**	**Units**
Application Rate	A	**15.4**	**lbs a.i./A**
Incorporation	I	**1**	none
Runoff Fraction	R	**0.05**	none
Drift Fraction	D	**0.01**	none

Table C8. EECs for bromacil. Units in lbs a.i./A.		
Description	**Equation**	**EEC**
Runoff to dry areas	(A/I)*R	0.77
Runoff to semi-aquatic areas	(A/I)*R*10	7.7
Spray drift	**A*D**	**0.154**
Total for dry areas	**((A/I)*R)+(A*D)**	**0.924**
Total for semi-aquatic areas	**((A/I)*R*10)+(A*D)**	**7.854**

Table C9. Plant survival and growth data used for RQ derivation. Units are in lbs a.i./A.				
	Seedling Emergence		**Vegetative Vigor**	
Plant type	**EC_{25}**	**NOAEC**	**EC_{25}**	**NOAEC**
Monocot	**0.03**	**x**	**0.042**	**x**
Dicot	**0.0047**	**x**	**0.0055**	**x**

Table C10. RQ values for plants in dry and semi-aquatic areas exposed to bromacil through runoff and/or spray drift.*				
Plant Type	**Listed Status**	**Dry**	**Semi-Aquatic**	**Spray Drift**
Monocot	non-listed	30.80	261.80	5.13
Monocot	listed	#VALUE!	#VALUE!	#VALUE!
Dicot	non-listed	196.60	1671.06	32.77
Dicot	listed	#VALUE!	#VALUE!	#VALUE!
*If RQ > 1.0, the LOC is exceeded, resulting in potential for risk to that plant group.				