

Appendix J-2: GENEEC Model Inputs and EECs

The input parameters for GENEEC were selected from submitted environmental fate, product chemistry data, and use information. The scenario used in GENEEC is generic.

Table 1. Input Parameters Used in GENEEC Modeling

Physical-chemical Properties and Environmental Fate Input parameters (GENEEC)	Available Data	Selected Value	Source
Solubility in Water, mg/L	33	33	Product chemistry
[Abiotic] Hydrolysis half-life, days	Stable	0	161-1 MRID405737-04
[Direct] Photolysis in Water, days	Stable	0	161-2 MRID405737-04
Aerobic Aquatic Metabolism half-life. Days	270 days (1-soil)	3x270 810	162-1 MRID00148338
Anaerobic Aquatic Metabolism half-life	No	-	Not applicable
Aerobic Soil Metabolism Half-life	No	2x810 1260	Not applicable
Sorption Coefficients, Koc OC-dependent	Sand 246 Loamy sand 169 Silt loam 117 Silty clay loam 448	117 Lowest Koc in a non-sandy soil	163-1 MRID 00148338

Table 2: GENEEC Estimated Exposure Concentrations (µg/L) for Prometryn

Crop	1-in-10-Year		
	Peak	21-Day	60- Day
Celery/Fennel	84.1	83.5	82.3
Parsley	99.5	98.7	97.7
Cotton	119.4	118.2	116.6