APPENDIX N.

Results from Screening Tool for Inhalation Risk with Bifenthrin

Input		
Application and Chemical Information		
Enter Chemical Name	Bifenthrin	
Enter Chemical Use	Ornamentals	
Is the Application a Spray? (enter y or n)	n	
If Spray What Type (enter ground or air)		
Enter Chemical Molecular Weight (g/mole)	422.9	
Enter Chemical Vapor Pressure (mmHg)	1.80E-07	
Enter Application Rate (lb a.i./acre)	0.95	
Toxicity Properties		
Bird		
Enter Lowest Bird Oral LD_{50} (mg/kg bw)	1800	
Enter Mineau Scaling Factor	1.15	
Enter Tested Bird Weight (kg)	0.178	
Mammal		
Enter Lowest Rat Oral LD_{50} (mg/kg bw)	53.8	
Enter Lowest Rat Inhalation LC_{50} (mg/L)	1.861	
Duration of Rat Inhalation Study (hrs)	4	
Enter Rat Weight (kg)	0.35	
Output		
Results Avian (0.020 kg)		
Maximum Vapor Concentration in Air at Saturation (mg/m^3)	4.10E-03	
Maximum 1-hour Vapor Inhalation Dose (mg/kg)	5.15E-04	
Adjusted Inhalation LD_{50}	3.47E+02	
Ratio of Vapor Dose to Adjusted Inhalation LD_{50}	1.48E-06	**Exposure not Likely Significant**
Maximum Post-treatment Spray Inhalation Dose (mg/kg)	not applicable	
Ratio of Droplet Inhalation Dose to Adjusted Inhalation LD_{50}	not applicable	**not applicable**
Results Mammalian (0.015 kg)		
Maximum Vapor Concentration in Air at Saturation (mg/m^3)	4.10E-03	
Maximum 1-hour Vapor Inhalation Dose (mg/kg)	6.47E-04	
Adjusted Inhalation LD_{50}	1.11E+02	
Ratio of Vapor Dose to Adjusted Inhalation LD_{50}	5.84E-06	**Exposure not Likely Significant**
Maximum Post-treatment Spray Inhalation Dose (mg/kg)	not applicable	
Ratio of Droplet Inhalation Dose to Adjusted Inhalation LD_{50}	not applicable	**not applicable**