

Summary of Susceptibility Potential for *Sirex noctilio* April 26, 2006 Website URL: http://www.fs.fed.us/foresthealth/technology/products.shtml

The Susceptibility Potential Surface for *Sirex noctilio* was produced for the Conterminous United States (CUS) in 1 square kilometer (km²) units by the U.S. Forest Service, Forest Health Technology Enterprise Team's (FHTET) Invasive Species Steering Committee (Table 1). The product's intended use is to develop a detection strategy for *Sirex noctilio*. The Risk of Susceptibility Surface was produced by combining the *Sirex noctilio* Introduction and Establishment Potential Surfaces in a final equal weighted overlay. Table 1 shows that 58,518,600 hectares of pine forest are at risk from *Sirex noctilio*. The datasets used in the Introduction and Establishment analyses, as well as the assigned arithmetic weights for each, can be seen in Tables 2 and 3.

Table 1 Steering Committee Members

Marla C. Downing, FHTET Lead Daniel M. Borchert, APHIS PPQ Donald A. Duerr, USFS R8 Dennis A. Haugen, USFS NA Frank H. Koch, USFS SRS Frank J. Krist Jr., USFS FHTET Frank J. Sapio, USFS FHTET Bill D. Smith, USFS SRS Borys M. Tkacz, USFS FHP

Table 2Introduction Variables and Arithmetic Weights

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Variables	Weight	
Principal Ports	33%	
Markets	33%	
Distribution Centers	34%	

Table 3 Summary of Susceptibility Potential for Sirex noctilio.

Category	Number of km ² Grid Cells	Hectares	Percent
Low	173,812	17,381,200	29.70
Medium	291,388	29,138,800	49.79
High	49,419	4,941,900	8.45
Very High	70,567	7,056,700	12.06
Total	585,186	58,518,600	100
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Little or No	7,204,738	720,473,80	

Table 3 Establishment Datasets and Arithmetic Weights.

Variables	Weight
Total Pine Basal Area	40%
Host Species	40%
Soil Wetness Dryness	20%

Point of Contact

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Contractor Support

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