





# Technical Bulletin for: European Pine Sawfly

*Neodiprion sertifer* (Geoffroy) • Hymenoptera, *Diprionidae* • NEOSER



<b>DISTRIBUTION</b>	Europe, introduced to North America.
<b>HOSTS</b>	Various species of Conifer, including Common Spruce, Jack, Arolla, Lodgepole, Japanese Umbrella, Shortleaf, Mountain, Black, Ponderosa, Dwarf Siberian, Table Mountain, Radiata, Red, Pitch, Siberian Stone, Eastern White, Scots and Japanese Black Pine.
<b>DESCRIPTION</b>	
<b>ADULT MOTH</b>	The males are 6-9.5 mm long and black, females are 7-10.5 mm long. Males are reddish-brown overall while females brown-reddish-yellow.
<b>LARVAE</b>	3.5 mm in length, Males have 4 instars while females have 5. A mature larva is 18 to 25 mm long and striped. The skin is densely spined. The mid-dorsal surface has a light grey to whitish narrow line, flanked by a broader green-grey line on either side. Each side of the body has two very dark lines that are separated by a thin, whitish spiracular line.
<b>EGGS</b>	Elongate-oval, 1.7-1.8 mm long and 0.3 mm wide, white or pale yellow to nearly white.
<b>LIFE HISTORY</b>	There is one generation present per year. Female deposits eggs, after emerging between August and November, amongst the needles of year-old shoots within the tree. The larvae hatch in the Spring, from April to the beginning of June. They feed gregariously on 1 year or older needles, leaving the new growing foliage mainly untouched. From June to July the non-feeding, pre-spinning larvae spin cocoons in the litter and humus layer in the ground and only occasionally in the foliage. There is a Summer diapause, which is longest in the southern and lowland populations and shortest in the northern and alpine populations.

## MONITORING INFORMATION

<b>LURE ACTIVE INGREDIENTS, SUBSTRATE &amp; FIELD LIFE</b>	Z3,7-dimethylpentadecan-2-ol in a plastic vial. Lure Longevity: 30 days.	
<b>TRAP TO USE</b>	Red Paper or Plastic Delta Trap	
<b>MONITORING STRATEGY</b>	Hang traps just before the first adults emerge in August, checking weekly and replacing the lure as necessary after four weeks. Check with local forestry service for information and recommendations.	
<b>CULTURAL &amp; PHYSICAL CONTROLS</b>	Inspect new shoots for eggs or otherwise defoliations. Remove or dispose of as necessary.	

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