



PEST REPORT

Pacific and Yukon Region • Pacific Forestry Centre • 506 West Burnside Road • Victoria, B.C. • V8Z 1M5

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FOREST PEST OUTBREAKS IN THE WEST KOOTENAY: AN EARLY SEASON UPDATE

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The following table summarizes the current status and expected activity of agents currently at damaging levels in the western half of the Nelson Forest Region. Chronic outbreaks with little annual variability, such as some root rots, white pine blister rust, and western balsam bark beetle are not included; others, such as the mountain pine beetle and satin moth, are discussed in more local detail in concurrent pest reports.

AGENT	HOSTS	LOCATION	CURRENT STATUS	FORECAST
<u>Insect</u> Mountain pine beetle <u>Dendroctonus ponderosae</u>	IP, pP	Boundary south	Good over winter brood survival most areas, flight imminent	Larger flight than 1991, increased attack
Western spruce budworm <u>Choristoneura occidentalis</u>	Df, wL	southwest Boundary TSA	Number infested buds down by 35%, late instar larvae to pupae	Light to moderate defoliation occurring
Western hemlock looper <u>Lambdina fiscellaria lugubrosa</u>	Wh, wrC	Revelstoke McNaughton Lakes	Early to mid instar larvae numerous in and near outbreak	Continued moderate to severe defoliation

AGENT	HOSTS	LOCATION	CURRENT STATUS	FORECAST
<u>Insects</u>				
Gray spruce looper <u>Carepeta divisata</u>	Wh	Arrow, Box, and Slocan Lakes	Moth flight underway	Possible decline due to high disease levels
Satin moth <u>Leucoma salicis</u>	†A	Bridesville to Anarchist Mtn., NE Grand Forks	New outbreak, severe defoliation, pupa stage	Defoliation finished for 1992
Alfalfa looper <u>Autographa californica</u>	field crops, fruit trees, shrubs	Revelstoke, Nakusp, Kaslo, New Dender	Egg stage	Large spring moth flight, possible defoliation when larvae emerge
Douglas-fir tussock moth <u>Orgyia pseudotsugata</u>	Df	South of Christina Lake	No larval feeding yet noted.	Defoliation expected after high moth catches 1991.
Yellowheaded spruce sawfly <u>Pikonema alaskensis</u>	spruce	within 15 km of Castlegar	Mostly moderate defoliation	Continues to intensify and spread.
<u>Diseases</u>				
Pine needle cast <u>Lophodermella concolor</u>	lP	Southern Boundary, Arrow, and Kootenay Lake Districts	Moderate to severe infection of 1991 foliage widespread on understory and regen. foliage.	Hot and dry weather spring 1992 should limit new infections.
Larch needle cast <u>Hypodermella laricis</u>	wL	Host range in region.	Light to moderate infections	Less than 1991 due to drier spring weather.

AGENT Diseases	HOSTS	LOCATION	CURRENT STATUS	FORECAST
Rhizina root disease <u>Rhizina</u> <u>undulata</u>	all seed- lings spp. suscept	Revelstoke, Upper Arrow and Kootenay Lake TSAs	<5% more seedling mortality after winter	Patchy, scattered outbreak will probably continue, few new fruiting bodies already seen

*lP = lodgepole pine, pP = ponderosa pine, Df = Douglas-fir,
wL = western larch, wH = western hemlock, wrC = western red
cedar, +A = trembling aspen