

### Mini data sheet on *Triphragmiopsis laricinum*

Added in 1999 - Deleted in 2002

**Reasons for deletion:**

*Triphragmiopsis laricinum* has been included in the EPPO Alert List for more than 3 years and during this period no particular international action was requested by the EPPO member countries. There were doubts on the severity of the disease caused by this pathogen. In 2002, it was therefore considered that sufficient alert has been given and the pest was deleted from the Alert List.

*Triphragmiopsis laricinum* - needle brown rust of larch in China

Why	<i>Triphragmiopsis laricinum</i> (Basidiomycetes: Uredinales) came to our attention because it is reported in China as a common and serious disease of larch, and the Canadian Food Inspection Agency has noted its possible importance for Canada.
Where	China (Jilin, Liaoning). More information is needed on its geographical distribution (is it present elsewhere in Asia, e.g. in Japan or Russian Far East?).
On which plants	Larch ( <i>Larix</i> spp.). In inoculation experiments <i>Larix gmelinii</i> , <i>L. kaempferi</i> (= <i>L. leptolepis</i> ), <i>L. gmelinii</i> var. <i>olgensis</i> (= <i>L. olgensis</i> ), <i>L. principis-rupprechtii</i> and <i>L. russica</i> (= <i>L. sibirica</i> ) were susceptible. No data on the susceptibility of <i>L. decidua</i> (European larch).
Damage	High disease incidence is reported in some areas of China (up to 80-100 %), but more detail is needed on the actual damage (growth reduction, mortality?) caused by the disease.
Pathway	Plants for planting of <i>Larix</i> species from China, bonsais?
Possible risks	<i>Larix</i> are important forest and amenity trees in Europe, and the disease appears to be especially damaging to nurseries and young stands. More data is needed on the biology, severity and geographical distribution of the disease.
Source(s)	Canadian Food Inspection Agency - Plant Health Early Warning System. A needle brown rust (fungus) disease of economic importance to larch in northeastern China (submitted by I. MacLachy, CFIA-PHRA) <a href="http://www.cfia-acia.agr.ca/english/ppc/science/pps/phews/docs/1999/9907larc.html">http://www.cfia-acia.agr.ca/english/ppc/science/pps/phews/docs/1999/9907larc.html</a> Shao, L.P.; He, B.Z.; Yang, D.Q.; Qi, X.W. (1983) [Study on the larch brown rust caused by <i>Triphragmiopsis laricinum</i> (Chou) Tai]. Journal of North Eastern Forestry Institute, 11(4), 23-30. (CABI abstract) Sun, B.G.; Liu, H.Y.; Wang, J.Y. (1983) [Brown rust of <i>Larix</i> and its control]. Forest Science and Technology, Linye Keji Tongxun, no. 7, 28-30. (CABI abstract) Wang, Y.M.; Liu, G.R.; Wang, S.M.; Tong, Y.; Ren, W.J. (1998) [The economic threshold and forecasting of larch needle brown rust]. Scientia-Silvae-Sinicae, 34(3), 74-79. (CABI abstract) Yuan, J.Y.; Yuan, Z.W.; Li, L.Z. (1998) [Studies on the biological control of larch brown rust with a rust parasite. 1. Morphological and cultural characteristics of the rust parasite]. Journal of Shenyang Agricultural University, 19(4), 17-22. (CABI abstract)

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