

Mini data sheet on *Lettuce chlorosis crinivirus*

Added in 1997 - Deleted in 2001

Reasons for deletion:

Lettuce chlorosis virus has been included in EPPO Alert List for more than 3 years and during this period no particular international action was requested by the EPPO member countries. In-2011, the Working Party on Phytosanitary Regulations agreed that it could be deleted, considering that sufficient alert has been given.

Lettuce chlorosis crinivirus (a new virus transmitted by *Bemisia tabaci*)

Why	<i>Lettuce chlorosis crinivirus</i> came to our attention because it was recently described as a new closterovirus transmitted by <i>B. tabaci</i> .
Where	In the Southwest desert regions of USA (e.g. Imperial Valley in California).
On which plants	Lettuce, sugarbeet, several other crops and weeds (but not on Cucurbitaceae).
Identity	A new crinivirus, different from <i>Lettuce infectious yellows crinivirus</i> . The authors noted that since 1990, yellowing symptoms observed on lettuce and sugarbeet have been shown to be induced by a mixture of <i>Lettuce infectious yellows</i> and <i>Lettuce chlorosis criniviruses</i> .
Damage	On lettuce and sugarbeet, symptoms are characterized by interveinal yellowing, stunting, rolling and brittleness of affected leaves. Yield losses were observed in symptomatic plants, but it was difficult to conclude whether yield losses were due to the presence of the virus, as infected plants were also infected by <i>B. tabaci</i> .
Transmission	It is transmitted by both A and B biotypes of <i>B. tabaci</i> .
Pathway	Lettuce plants for planting (vegetables?) from USA.
Possible risks	Lettuce is an important crop in Europe both outdoor and under protection conditions. <i>B. tabaci</i> , the vector of the disease is widespread. However, data on the extent and severity of the disease is lacking.
Source(s)	Duffus, J.E.; Liu, H.Y.; Wisler, G.C.; Li, R. (1996) Lettuce chlorosis virus - A new whitefly-transmitted closterovirus. <i>European Journal of Plant Pathology</i> , 102(6), 591-596. Liu, H.-Y.; Wisler, G.C.; Duffus, J.E. (2000) Particle lengths of whitefly-transmitted criniviruses. <i>Plant Disease</i> , 84(7), 803-805. McLain, J.; Castle, S.; Holmes, G.; Creamer, R. (1998) Physicochemical characterization and field assessment of lettuce chlorosis virus. <i>Plant Disease</i> , 82(11), 1248-1252. Wisler, G.C.; Duffus, J.E.; Liu, H.-Y.; Li, R.H. (1998) Ecology and epidemiology of whitefly-transmitted closteroviruses. <i>Plant Disease</i> , 82(3), 270-279.

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