

Distribution Maps of Plant Diseases

Compiled by CAB INTERNATIONAL in association with EPPO

Map No. 800

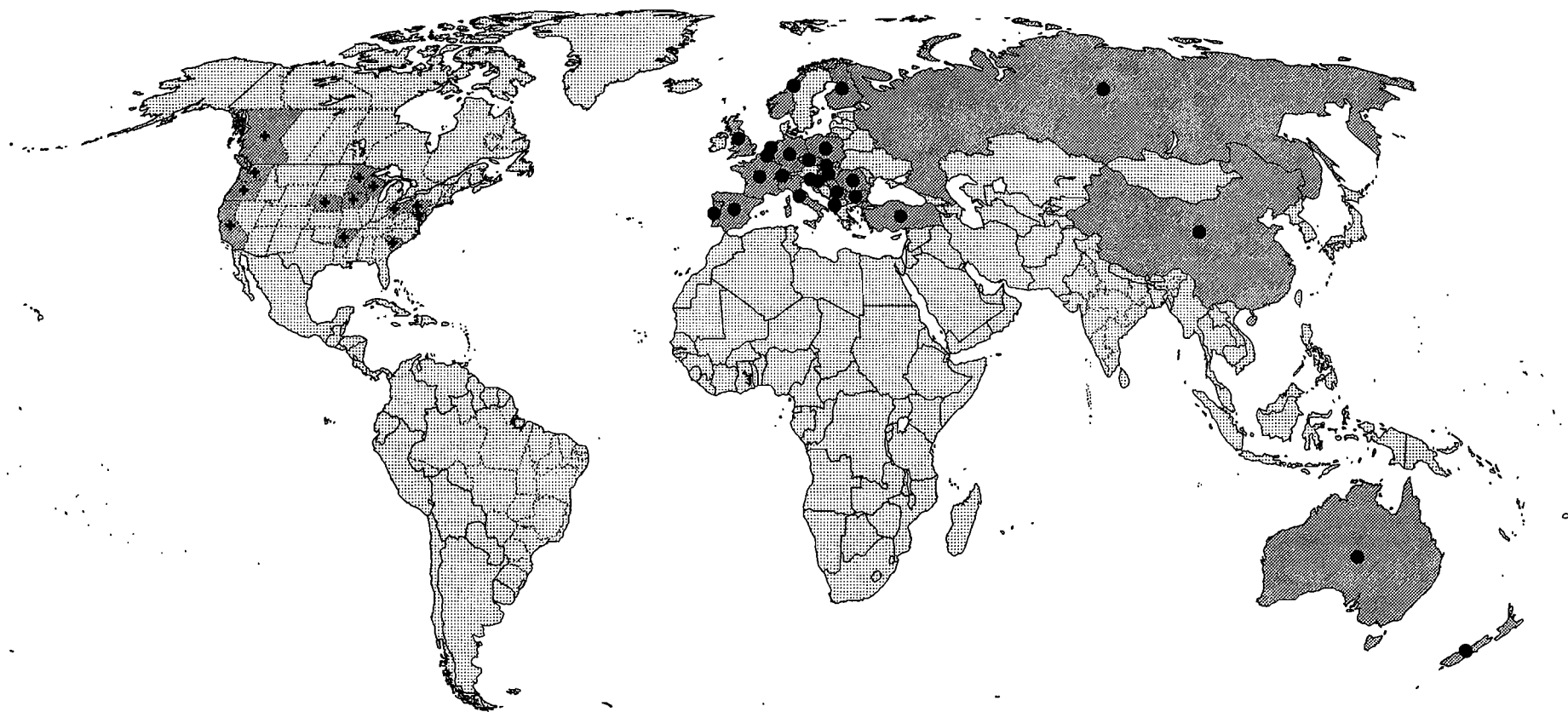
Edition 1

Issued April 2000

Cherry leaf roll nepovirus

Viruses: Comoviridae: Nepovirus

Hosts: A wide range of woody plants



● Present: national record

■ Present: subnational record

CABI/EPPO (2000) Cherry leaf roll nepovirus. Distribution Maps of Plant Diseases No. 800.
CAB INTERNATIONAL, Wallingford, UK.

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Note: Acronym CLRV.

Records are based on bibliographic data from the CAB ABSTRACTS database and plant quarantine information compiled by EPPO

X: Present, no details A: Present: widespread B: Present, restricted distribution C: Present, few occurrences (D): Absent, not established (E): Eradicated (F): Intercepted only

EUROPE

Country	Reference	Country	Reference
Albania	X Myrta, A.; Terlizzi, B. di; Digiario, M. (1995) <i>Acta Horticulturae</i> No. 386, 165-168. [In plum, peach and apricot.]	Mainland Italy	X Lisa, V.; Veira, A. M.; Dellavalle, G.; Masenga, V.; Milne, R. G. (1996) <i>Acta Horticulturae</i> No. 432, 108-117. [North, in <i>Pelargonium</i> .] Russo, M.; Martelli, G. P.; Savino, V. (1978) <i>Phytopathologia Mediterranea</i> 17 (2), 90-95. [South, in <i>Juglans</i> .] Savino, V.; Gallitelli, D. (1981) <i>Phytopathologia Mediterranea</i> 20 (2/3), 202-203. [South, in olive.]
Belgium	X Nemeth, M. (1986) <i>Virus, mycoplasma and rickettsia diseases of fruit trees. Akademiai Kiado, Budapest, Hungary.</i>	Netherlands	B Jones, A. T.; Murant, A. F. (1971) <i>Annals of Applied Biology</i> 69, 11-14. [In cherry.] EPPO (1999) PQR database (version 3.9).
Bulgaria	X Topchilske, M. L. (1993) <i>Acta Horticulturae</i> No. 311, 290-293. [In <i>Juglans</i> sp.]	Norway	B EPPO (1999) PQR database (version 3.9).
Croatia	X Milicic, D.; Plavsic, B.; Grbelje, J.; Eric, Z. (1987) <i>Acta Botanica Croatica</i> 46, 1-8. Stefanac, Z. (1969) <i>Acta Botanica Croatica</i> 28, 373. [In <i>Sambucus</i> .]	Poland	X Schmelzer, K. (1966) <i>Phytopathologischer Zeitschrift</i> 55, 317. [In <i>Sambucus</i> .]
Czech Republic	X Novak, J. B.; Lenzova, J. (1975) <i>Biologia Plantarum</i> 17, 226-227. [In <i>Syringa</i> .] Peliken, E. (1989) <i>Proceedings of the 10th Conference of the Czechoslovak Plant Virologists</i> , 147-148. Prague, Czechoslovakia. [In wild <i>Rubus</i> spp.] Polak, Z. (1995) <i>Ochrana Rostlin</i> 31 (3), 161-166. [In <i>Fagus sylvatica</i> .]	Portugal	X Leitao, F. A.; Serrano, J. F.; Potes, M. F.; Clara, M. I. E.; Rei, F. T.; Gentil-Pinto, A. (1996) <i>Olivae</i> No. 62, 38-45. [In olive.] Leitao, F. A.; Serrano, J. F.; Potes, M. F.; Henriques, M. I.; Rei, F. T. (1994) <i>Acta Horticulturae</i> No. 356, 102-105. [In olive.]
Finland	X Cooper, J. I. (1980) <i>Acta Phytopathologica Academiae Scientiarum Hungaricae</i> 15 (1-4), 139-145. [In <i>Sambucus racemosa</i> .] Cooper, J. I. (1993) In: <i>Virus diseases of trees and shrubs</i> , 146. Chapman and Hall, London, UK. [In <i>Sambucus nigra</i> .]	Romania	X Nemeth, M. (1986) <i>Virus, mycoplasma and rickettsia diseases of fruit trees. Akademiai Kiado, Budapest, Hungary.</i>
France	X Delbos, R.; Bonnet, A.; Dunez, J. (1984) <i>Agronomie</i> 4 (4), 333-339. [Widespread in <i>Juglans regia</i> x <i>J. nigra</i> .]	Russia	A Bubaker, A.; Pomazkov, Yu. I. (1978) <i>Izvestiya Timiryazevskoi Sel'skokhozyaistvennoi Akademii</i> No. 5, 219-222. [In cherry.]
Germany	X EPPO (1999) PQR database (version 3.9). [In <i>Rubus</i> .] Hamacher, J.; Quadt, A. (1991) <i>Journal of Phytopathology</i> 131, 215-226. [In <i>Fraxinus excelsior</i> .] Hamacher, J.; Quadt, A. (1994) <i>Plant Disease</i> 78 (8), 849-853. Jones, A. T.; Koenig, R.; Lesemann, D. E.; Hamacher, J.; Nienhaus, F.; Winter, S. (1990) <i>Journal of Phytopathology</i> 129 (4), 339-344. [In <i>Fagus sylvatica</i> and <i>Betula pendula</i> .] Kegler, H.; Fuchs, E.; Knapp, H. D.; Ehrig, F. (1994) <i>Archives of Phytopathology and Plant Protection</i> 29 (3), 211-216. [Vilm, in <i>Fraxinus excelsior</i> .] Schlmanek, H. H. (1991) <i>Zentralblatt für Mikrobiologie</i> 146 (7-8), 455-461. [In <i>Sambucus nigra</i> .] Schlmanek, H.-H.; Albrecht, H.-J. (1980) <i>Archiv für Gartenbau</i> 28 (6), 325-332. [In <i>Sambucus racemosa</i> .] Schlmanek, H. H.; Schmelzer, K.; Albrecht, H.-J. (1975) <i>Archiv für Pflanzenschutz</i> 5, 329. [In cherry.] Schmelzer, K. (1972) <i>Zentralblatt für Bakteriologie und Parasitkunde (Abt. II)</i> 127, 10-12. [In <i>Betula</i> , <i>Ligustrum</i> and <i>Sambucus nigra</i> .] Schmelzer, K. (1972) <i>Zentralblatt für Bakteriologie und Parasitkunde (Abt. II)</i> 127, 140-142. [In <i>Ptelea trifoliata</i> .] Werner, R.; Muhlbach, H. P.; Buttner, C. (1997) <i>European Journal of Forest Pathology</i> 27 (5), 309-318. [In <i>Betula</i> .] Winter, S.; Nienhaus, F. (1989) <i>European Journal of Forest Pathology</i> 19, 111-118. [In <i>Fagus</i> .]	Slovakia	X Baumgartnerova, H.; Slovakova, L. (1995) <i>Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz</i> 102 (4), 435-440. EPPO (1999) PQR database (version 3.9). [In <i>Rubus</i> .]
Hungary	X Nemeth, M.; Kolber, M.; Szentivanyi, P. (1993) <i>Acta Agronomica Hungarica</i> 42 (3/4), 357-363. [In <i>Juglans regia</i> and <i>J. nigra</i> .] Schuster, V.; Vertesy, J. (1980) <i>Acta Phytopathologica Academiae Scientiarum Hungaricae</i> 15, 135-137. [In sour cherry (<i>Prunus cerasus</i>).] Tobias, I. (1995) <i>Acta Horticulturae</i> No. 386, 574-577. [In <i>Juglans</i> .] Tobias, I. (1995) <i>Horticultural Science</i> 27 (3-4), 69. [In <i>Juglans</i> and <i>Sambucus nigra</i> .]	Slovenia	X Baumgartnerova, H.; Slovakova, L. (1995) <i>Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz</i> 102 (4), 435-440.
Italy	X Cooper, J. I. (1993) In: <i>Virus diseases of trees and shrubs</i> , 54. Chapman and Hall, London, UK. [In <i>Celtis australis</i> .] Giunchedi, L.; Pollini, C. P. (1984) <i>Informatore Fitopatologico</i> 34 (3), 75-94. [In stone fruit.]	Spain	X Frutos, D.; Hita, I. (1993) <i>Investigacion Agraria, Produccion y Proteccion Vegetales</i> 8 (2), 275-277. [In <i>Juglans</i> .] Rowhani, A.; Mircetich, S. M. (1988) <i>Phytopathology</i> 78 (6), 817-822.
		Switzerland	X Pelet, F. (1989) <i>Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture</i> 21 (2), 113-116. [In <i>Rubus</i> .]
		UK	B Adams, A. N.; Stickle, J. E.; Barba, M.; Clark, M. F. (1984) <i>Report East Malling Research Station for 1983</i> , 109-110. East Malling, UK. [In cherry.] Ahmed, A. H.; Ballies, K. W. (1975) <i>Journal of Horticultural Science</i> 50 (1), 47-54. [In <i>Delphinium</i> .] Walkey, D. G. A.; Creed, C.; Delaney, H.; Whitwell, J. D. (1982) <i>Plant Pathology</i> 31 (3), 253-260. [In rhubarb.]
		England and Wales	B Cooper, J. I. (1980) <i>Acta Phytopathologica Academiae Scientiarum Hungaricae</i> 15 (1-4), 139-145. [In <i>Juglans regia</i> .] Cooper, J. I. (1993) In: <i>Virus diseases of trees and shrubs</i> , 121. Chapman and Hall, London, UK. [In <i>Populus</i> pollen.] Cooper, J. I.; Atkinson, M. A. (1975) <i>Forestry</i> 48, 193-203. [In <i>Betula</i> .] Cooper, J. I.; Massalski, P. R.; Edwards, K. L. (1984) <i>Annals of Applied Biology</i> 105, 55-64. [In female gametophyte and seed of <i>Betula</i> .] Cooper, J. I.; Massalski, P. R.; Edwards, M.-L. (1984) <i>Annals of Applied Biology</i> 105 (1), 55-64. [In <i>Betula</i> .] Cromptley, R. (1961) <i>Annals of Applied Biology</i> 49, 524-529. [In cherry.] EPPO (1999) PQR database (version 3.9). [In <i>Rubus</i> .] Omerod, P. J. (1975) <i>Virus of blackberry</i> . In: <i>Report of East Malling Research Station for 1974</i> , 124. East Malling, UK. Sweet, J. B.; Campbell, A. J. (1975) <i>Report of the Long Ashton Research Station for 1974</i> , 41-42. Long Ashton, UK. [In <i>Cornus florida</i> .] Walkey, D. G. A.; Cooper, J. (1973) <i>Report of the National Vegetable Research Station for 1972</i> , 100. Wellesbourne, UK. [In <i>Rumex obtusifolius</i> .]

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X: Present, no details A: Present, widespread B: Present, restricted distribution C: Present, few occurrences (D): Absent, not established (E): Eradicated (F): Intercepted only

Scotland	B	Cooper, J. I. (1980) <i>Acta Phytopathologica Academiae Scientiarum Hungaricae</i> 15 (1-4), 139-145. Jones, A. T. (1976) <i>Annals of Applied Biology</i> 74, 211. [In <i>Rubus</i> spp.] Jones, A. T.; Murent, A. F. (1971) <i>Annals of Applied Biology</i> 69, 11-14. [In <i>Sambucus</i> .]	Wisconsin	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .]
Yugoslavia (Fed. - Rep.)	X	Cooper, J. I. (1993) In: <i>Virus diseases of trees and shrubs</i> , 54. Chapman and Hall, London, UK. [In <i>Celtis australis</i> .] Mamula, D.; Milicic, D. (1975) <i>Acta Horticulturae</i> No. 44, 33-37. [In <i>Sambucus edulis</i> .] Schmelzer, K. (1966) <i>Phytopathologische Zeitschrift</i> 55, 317. [In <i>Sambucus</i> .] Stafanac, Z. (1969) <i>Acta Botanica Croatica</i> 28, 373. [In <i>Sambucus nigra</i> .]			
ASIA					
China	-	X Brunt, A. A.; Crabtree, K.; Dallwitz, M. J.; Gibbs, A. J.; Watson, L. (1996) <i>Viruses of plants</i> . CAB International, Wallingford, UK.			
Turkey	-	X Kurcman, S. (1977) <i>Ziraat Mucadele Arastirma Yilligi</i> 11, 116-117. [In sweet and sour cherry.]			
NORTH AMERICA					
Canada	-	X EPPO (1999) PQR database (version 3.9).			
British Columbia	X	Hansen, J.; Stace-Smith, R. (1971) <i>Phytopathology</i> 61, 1222-1229. [In <i>Sambucus nigra aurea</i> .]			
USA	-	B			
Arkansas	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .] Larsen, R. C.; Gergerich, R. C.; Kim, K. S. (1990) <i>Phytopathology</i> 80 (2), 134-140. [In <i>Euonymus europaeus</i> .]			
California	X	Rowhani, A.; Mircetich, S. M. (1988) <i>Phytopathology</i> 78 (6), 817-822. [In <i>Juglans regia</i> .]			
Iowa	X	Ford, R. E.; Moline, H. E.; McDaniel, G. L.; Mayhaw, M. (1972) <i>Phytopathology</i> 62, 987-992. [In <i>Ulmus americana</i> ; described as elm mosaic virus, which is now recognised as a synonym of CLR.V.]			
Maryland	X	Waterworth, H. E.; Lawson, R. H. (1973) <i>Phytopathology</i> 63, 141-146. [In <i>Cornus florida</i> .]			
Minnesota	X	Lockhart, B. E. L. (1977) <i>Phytopathology News</i> 4, 90. [In <i>Berberis incana</i> .]			
Nebraska	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .]			
Ohio	X	Swingle, R. U.; Tilford, P. E.; Irish, C. F. (1943) <i>Phytopathology</i> 33, 1196-1200. [In <i>Ulmus americana</i> ; described as elm mosaic virus, which is now recognised as a synonym of CLR.V.]			
Oregon	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .] Ellis, P. J.; Converse, R. H.; Stace-Smith, R. (1992) <i>Acta Horticulturae</i> No. 308, 69-79. [In <i>Sambucus</i> .]			
Pennsylvania	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .]			
South Carolina	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .] Reddick, B. B.; Barnett, O. W.; Baxter, L. W., Jr. (1979) <i>Plant Disease Reporter</i> 63 (7), 529-532. [In <i>Cornus florida</i> .]			
Washington	X	APS (1998) Widely prevalent virus list by state. New virus working group, Plant Virology Committee of the American Phytopathological Society, St Paul, USA. [Source: WWW at http://www.aphis.usda.gov .]			
			OCEANIA		
			Australia	-	X Brunt, A. A.; Crabtree, K.; Dallwitz, M. J.; Gibbs, A. J.; Watson, L. (1996) <i>Viruses of plants</i> . CAB International, Wallingford, UK.
			New Zealand	-	C Jones, A. T.; Wood, G. A. (1978) <i>Plant Disease Reporter</i> 62 (9), 835-838. [In <i>Rubus</i> .] Jones, A. T.; Wood, G. A. (1979) <i>New Zealand Journal of Agricultural Research</i> 22 (1), 173-182. [In <i>Rubus</i> .]

Although nematode vectors of this virus have been reported in the literature, transmission has not been confirmed.