

Mini data sheet on *Maize Mal de Río Cuarto fijivirus*

Added in 1998 - Deleted in 2001

Reasons for deletion:

Maize Mal de Río Cuarto fijivirus 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. Its importance seems to be variable in Argentina. In 2001, it was therefore considered that sufficient alert has been given and the pest was deleted from the Alert List.

Maize Mal de Río Cuarto fijivirus (outbreak in Argentina)

Why	Mal de Río Cuarto came to our attention because an outbreak was reported again in Argentina in 1996-1997, after several years of 'absence'.
Where	Argentina (in provinces of Tucuman, Cordoba, Santa Fe, Entre Rios, Buenos Aires, la Pampa, San Luis and Rio Negro). The disease is also reported to be present in Brazil and Uruguay.
On which plants	Maize. It can also attack: wheat, sorghum, millet, oat, many weeds (Poaceae, Cyperaceae).
Identity	Fijivirus (now considered as distinct from <i>Maize rough dwarf fijivirus</i> which occurs in the Mediterranean region).
Damage	Symptoms similar to <i>Maize rough dwarf fijivirus</i> . Most important disease of maize in Argentina. 300,000 ha of maize affected, yield losses reached 120 million USD.
Transmission	Insect vector (<i>Delphacodes kuscheli</i> , Homoptera: Delphacidae), apparently not transmitted by seeds.
Pathway	Apparently none if it is not seed transmitted.
Possible risks	Included here because of the importance of the crops concerned and the losses reported. However, not seed transmitted. Limited to Río Cuarto in Argentina. Although the disease is reappearing after several years of 'absence', it has apparently not really spread.
Source(s)	Lenardon, S.L.; March, G.J.; Nome, S.F.; Ornaghi, J.A. (1998) Recent outbreak of 'Mal de Río Cuarto' virus on corn in Argentina. <i>Plant Disease</i> , 82(4), p 448. Review of <i>Plant Pathology</i> , 78(12), p 1140 (8606). Rodriguez Pardina, P.E.; Giménez Pecci, M.P.; Laguna, I.G.; Truol, G. (1998) Wheat: a new natural host for the Mal de Río Cuarto virus in the endemic disease area, Río Cuarto, Córdoba Province, Argentina. <i>Plant Disease</i> , 82(2), 149-152.

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