

Comparison of Principle North American Nematodes

	Lesion <i>Pratylenchus</i> spp.	Root-Knot <i>Meloidogyne</i> spp.	Potato Cyst <i>Globodera</i> spp.
North American Species of Interest	<i>P. penetrans</i> <i>P. neglectus</i>	<i>M. chitwoodi</i> <i>M. hapla</i> <i>M. incognita</i>	<i>G. rostochiensis</i> <i>G. pallida</i>
Occurrence	wide-spread	West ( <i>M.c.</i> ) North ( <i>M.h.</i> ) South ( <i>M.i.</i> )	NY, QU, AB ( <i>G.r.</i> ) ID ( <i>G.p.</i> )
Seriousness	moderate	severe	extreme
Adults	wormlike	male = wormlike female = pear-like	male = wormlike female = spherical
Major Damage	enhance early die	tuber quality	total crop loss
Vine Symptom	wilted	rare	water stressed
Primary Management	soil fumigation green manures	nematicides soil fumigation varietal selection	enact quarantine regulations !
Host Range	very extensive	extensive	limited

References:

Compendium of Potato Diseases. 2001. Eds. W.R. Stevenson, R. Loria, G.D. Franc, and D.P. Weingartner. APS Press, St. Paul, MN.

Integrated Pest Management for Potatoes in the Western United States. 2006. Univ Calif Agric & Natural Resources Publication 3316.

Potato Health Management. 1993. Ed. R.C. Rowe. APS Press, St. Paul, MN.