

SHEATH NEMATODE

Hemicycliophora spp.

More than one species could be present. *H. typica*, *H. halophila* and *H. nortoni* may be involved.

1 PATHOLOGICAL PROFILE

1.1 Distribution and status

The sheath nematode was found in citrus on sandy soils in the Onderberg (Mpumalanga) and in the Gamtoos River Valley (Eastern Cape). The clay content of the soils where this nematode was found was at all times lower than 10%.

It was found in declining trees. However, as the citrus nematode was also always present, it was impossible to establish which percentage of the decline could be contributed to the citrus nematode and which to the sheath nematode. Rootstock trials are being conducted. It appears as if Rough lemon is affected mostly and the citranges affected to a lesser extent.

1.2 Symptoms

The nematodes feed at the root tips which then develop round galls arising from hyperplasia.

2 MANAGEMENT ASPECTS

Aldicarb, cadusafos and fenamiphos reduced the *Hemicycliophora* populations at the same rate as those registered for citrus nematode control.