SPECIES OF THE GENUS *IOTONCHUS* (NEMATODA: MONONCHIDAE) OCCURRING IN SOUTHERN AFRICA

BY

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Four new species of the genus *Iotonchus* are described and *I. risoceiae* (Carvalho, 1955) is recorded from additional localities.

This paper dealing with species of the genus *Iotonchus* is one of a series on Mononchidae of Southern Africa. The genus has been found to be widespread in both cultivated and uncultivated areas and is represented by several species, some closely related.

All slides mentioned are in the collection of the Plant Protection Research Institute, Pretoria.


Stoma barrel-shaped, usually with a broad base. Dorsal tooth anteriorly directed, small to moderate in size, situated in most species within posterior two thirds of stoma. Subventral teeth absent. Amphidial aperture situated at base of lip region. Oesophago-intestinal junction tuberculate. Vulva transverse. Ovaries paired or single, reflexed. Testes paired, opposed, outstretched. Spicules paired, free. Gubernaculum simple or with lateral processes. Lateral accessory pieces present or absent. Tail short or long, conoid, conoid then cylindroid or filiform. Tails in both sexes similar or different.


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**IOTONCHUS ANTEDONTOIDES N. SP.**

(Fig. 1, A-E)

**Holotype**: ♀ *L* = 1.2 mm; *a* = 28; *b* = 4; *c* = 15; *V* = 1576.

**Paratypes**: ♂♀ (*n* = 2) *L* = 1.2, 1.5 mm; *a* = 32, 35; *b* = 4; *c* = 10, 13; *V* = 1572, 2176.

**Female**: Body ventrally arcuate on relaxing, tapering more towards tail than head. Cuticle about 4 µ, thinner towards anterior region of body; cuticular striations faintly visible in anterior part of body in some specimens. Internal striations over entire body but scarcely discernable. Subcuticle about 3 µ. Lip region rather truncate, slightly offset. Papillae not prominent. Amphids cup-shaped, aperture 4 µ wide. Lip region hexagonal in *en face* view. Outer ring of ten papillae, two on
Fig. 1. *Iotonchus antedontoides*. A. Female. B. Head of female, lateral. C. Tail of female. D. En face view of lip region. E. Female reproductive tract.