구·두·발·표·5

Three new species of predatory soil nematodes (Nematoda: Mononchida) from Seongju, Korea

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The present work deals with the descriptions and illustrations of three new species of predatory nematodes belonging to the order Mononchida, which were surveyed and collected from oriental melon (*Cucumis melo* L) fields of Seongju, Gyongbuk province, Korea. Nematodes were isolated from soil sample by Cobb 's sieving and decantation methods and centrifugal flotation technique. TAF fixed nematodes were processed to glycerin mounted slides. Specimens were observed under optical microscope and measured with the help of drawing tube attachment. A new species of *Micatonchus* is having 2.2-2.5mm long body; a= 31.7-34.5; c= 8.5-9.3; V= 63-65; baccal cavity 53-54 x 34-36μm and is characterized by having rectal glands and ventrally subterminal spinneret. *Iotonchus* sp. n. is 2.9-3.2mm long; a= 39.3-43.7; c= 10.7-12.2; V= 64-66; buccal cavity 57-60 x 34-39μm, and is provided with 3 each pre- and post-vulval papillae. *Mylonchulus* sp. n. is 1.1-1.2mm long; a= 38-40; c= 21-25; V= 73-77; buccal cavity 18-20 x 11-15μm, and is unique in having 2 pairs of teeth on subventral walls of buccal cavity, submedian denticles in 2-3 rows and very short post-vulval sac, less than half corresponding body with long.