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OF NEMATODES FROM IRAN

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The ranges of a new record for Iran are presented Introduction:

Very little is known about the Paratylenchidae in Iran. Only the following species have been reported:

Paratylenchus hamatus by ABIVARDI in 1970 and P.elachistus and P. Proyectus by kheiri in 1972. The
genus Nothocriconema has not been reported from Iran, until now.

The present paper deals with the record of two species from Iran. Both of them were collected from soil about the roots of ornamental plants.

Materials and Methods:

The nematodes extracted from 250 ml. soil samples by combining the sieving and centrifugal flotation methods (Cobb, 1918 and Jenkins, 1964).

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Results:

Nothocriconema mutabile (Taylor, 1936) De Grisse and Loof, 1965. Syn. Criconemoides magnoliae Erward and Misra, 1964.

The ranges of a new record for Iran are presented below:

Very little is known about the Par Female (n=7)

thidse in Tran. Only the following species L=0.32-0.40mm

d.gh.orifice=4-5mc

a = 9 - 13

Annules width=3.2-3.8mc

b = 3.7 - 4

RB=98-107

c = 2.0 - 24

Ran=8

V% = 90 - 92

Rvt=12

Sp. = 49 - 52mc

R-exp=28-31

Prh=40-42mc

R-esofag=28-34

Rsp = 17 - 22

St%L=12.8-15

VL/VB=0.95-1.3

The morphometric characters of the collected nematodes are very close to those given by De Grisse and Loof, 1965 . Soil samples were collected from soil around roots of Feuner ianam, grass and ornamental palm from Evin, Niavaran and Tehran.

Paratylenchus dianthus Jenkins and Taylor,

The dimensions of this species are given below.

Female (n=7):

L=0.27-0.38mm

a=13-20 b = 2.8 - 4

c = 16 - 21

V%=80-85

Tail length=13-23mc

Prh=16-22mc

Pex=59-89mc

Oes=79-99mc

Annules width=1.2-1.5mc

d.gh.orifice=5-5.2mc

Male(n=4):

L=0.31-0.39mm

C=12-16 mora rebosamen ac

Spic=19.8-23mc

Pex=62-79mc

a=21-28 Annules width=1.2-1.6mc

Tail length=19-30mc

All of the data of the males and females are close to those given by Jenkins and Taylor, 1956.

Soil samples were collected from soil about roots of Dianthus caryophilus and rose from Garmsar.

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