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The study of weed hosts of sugarbeet cyst nematode in West Azarbaijan

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During the years of 1991-94 extensive survey were carried out to collect and identify weed hosts of sugarbeet cyst nematode in sugarbeet fields of Oroumieh, Miandoab, Khoy and Shahindej cities. In this work, 60 weed species belonging to 15 families were identified. Weed seeds were planted in clay pots containing 250 ml. nematode infested soil (25 J2 and eggs/gr.) and put under greenhouse conditions. The experiments showed that 19 weed species belonging to 3 plant families of Chenopodiaceae, Cruciferae and Polygonaceae were hosts of the nematode. It was concluded that elimination of weed hosts in combination with crop rotation using nonhost plants are important factors in effective integrated nematode management programme.

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