Occurrence and distribution of cereal cyst nematodes, *Heterodera avenae* and *H. latipons* in Southeast Anatolia, Turkey

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Cereal cyst nematodes (CCN) cause serious economical damage in cereal crops worldwide especially in temperate regions. The cereal cyst nematodes, *Heterodera avenae* group, contain at least 12 species that invade roots of cereals and grasses. *Heterodera avenae*, *H. filipjevi* and *H. latipons* are recognized as the most economically important of these species. Cereal cyst nematode, *H. filipjevi* is the dominant species in major wheat and barley cultivating areas of the Central Anatolian Plateau (CAP) in Turkey. However, the information on the occurrence and distribution of cyst nematodes other part of Turkey are limited. In order to identify to Cereal Cyst Nematode in the Southeast Anatolia (SEA) of Turkey, a short survey carried out during summer in 2009. Totally 240 soil samples collected from wheat and barley fields in SEA region and found 60% infected with cyst nematodes. *H. avenae* and *H. latipons* were identified using PCR-RFLP and six endonucleases *Taq*I, *Hinf*I, *Pst*I, *Hae*III and *Alu*I. According to the survey results *H. avenae* was found more widely distributed than *H. latipons*.