

- Project Title** : Investigations on White Tip Nematode (*Aphelenchoides besseyi* Christie) on Rice in Aegean and Marmara Regions
- Start /End Date** : 1997-2002
- Supporting Body** : GDAR
- Leader** : Dr. Bilge MISIRLIOĞLU
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- Summary** : This study, was conducted between 1997-2001 in Edirne, Balıkesir, and İzmir provinces. In the studies, control methods to *A. besseyi*, population fluctuation, and adaptation abilities of some rice varieties in İzmir-Menemen ecological conditions were experimented.
- In the control experiments, floage, soil, seed treatments, and also hot water application were carried out. Carbofuran among seed treatments was found 99.74% effective at 750 ml/100 kg seed dosage. It was convinced that this chemical can used against the nematode in case of residue analysis in the crop.
- In hot water application, the infested seeds were held in water of 55-60°C in the electrical heating system during 10 minutes, then they were filered and sown in the fields. It was not determined significantly reducing at germination of seed. This system was found 100% effective against the pest.
- In 1998 and 1999, 27 varieties which are known as resistant to white tip nematode were experimented for determining of adaptation abilities in İzmir-Menemen ecological conditions. At the end of the experiments, the varieties called Norin 23, Vegold, awini, and Mars were found hopeful from the point of view the agonomic properties.