CONTROL OF THE RICE ROOT-KNOT NEMATODE *MELOIDOGYNE GRAMINICOLA* USING RICE PLANTS AS TRAP CROPS

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Meloidogyne graminicola

Meloidogyne graminicola is one of the most important damaging nematodes for rice cultivation throughout the world.
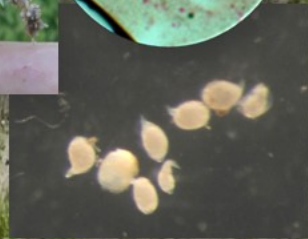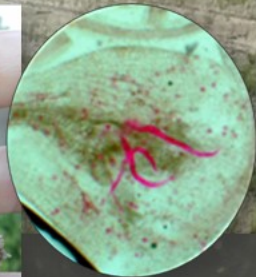
2016

First interception in EPPO Countries

EPPO Alert List

EXPERIMENTAL AREA

C	T	I	C	T
I	C	T	I	C
T	I	C	T	I

Rice-cultivated area at the Cascina Scalina farm, located in Garlasco (Pavia, Lombardy region, Italy

MATERIAL AND METHODS

Five plots for three different management approaches were staked out:

- **Uncultivated (U)**

- **Control (C):** rice was sown and left to grow until the end of the three cycles in treated plots.

- **Treated (T):** three separate cycles of rice production where plants were sown and destroyed each time at the second leaf stage.
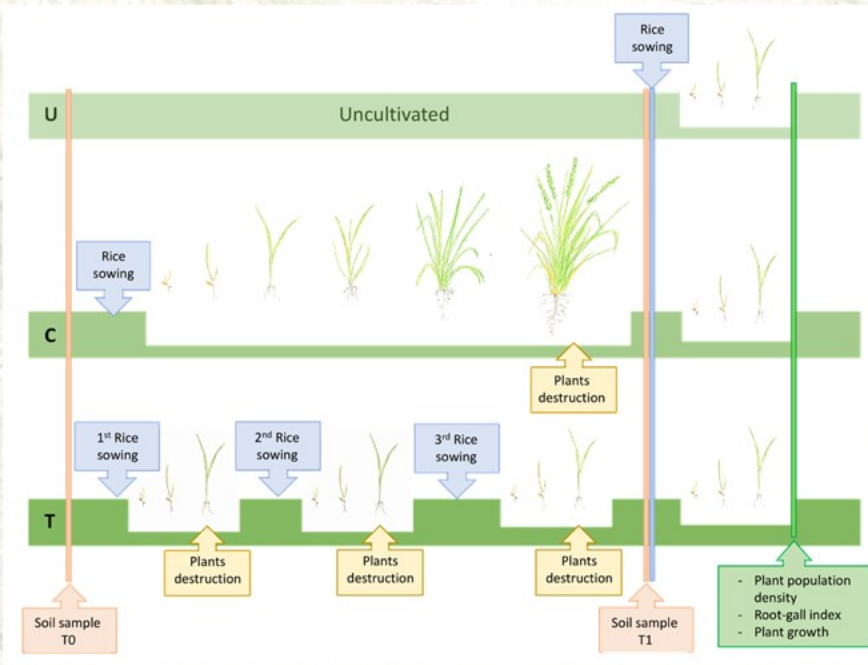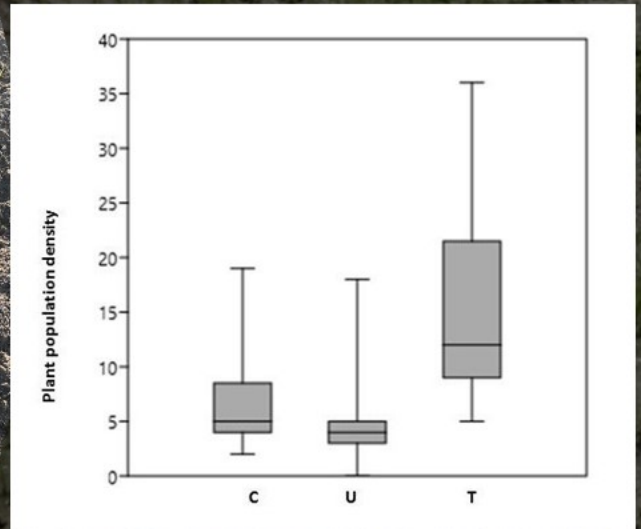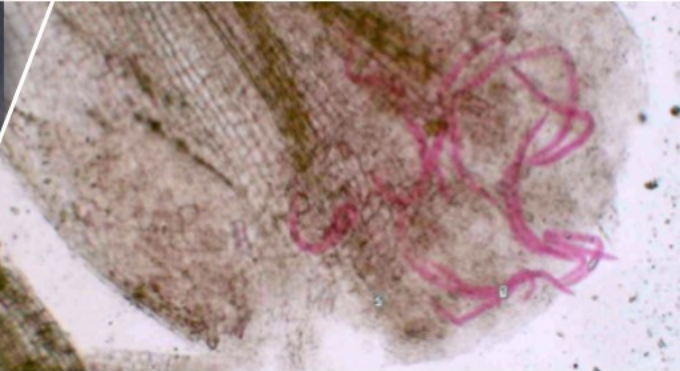
Evaluation of Nematode Density in the Soil
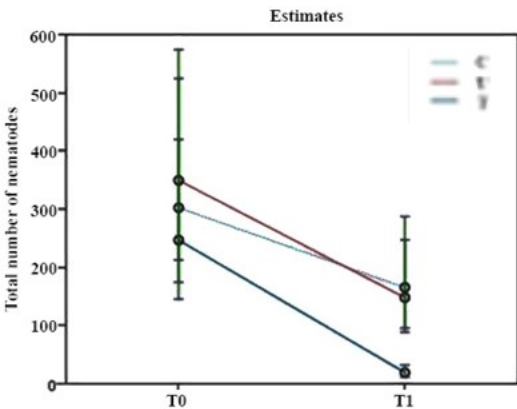
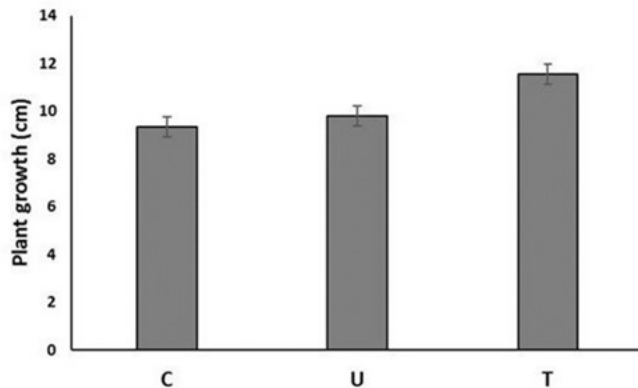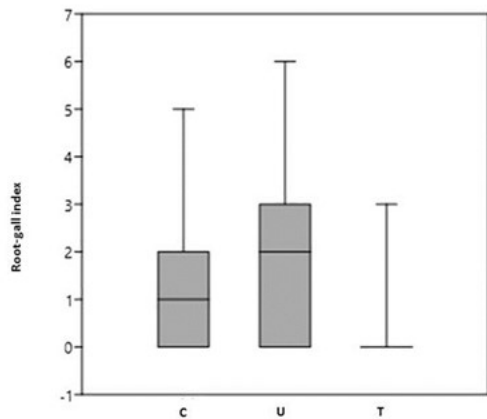| Time	Pairwaise comparisons	P
T0	C vs U	0.698
T0	C vs T	0.603
T0	U vs T	0.350
T1	C vs U	0.769
T1	**C vs T**	**0.002**
T1	**U vs T**	**0.001**
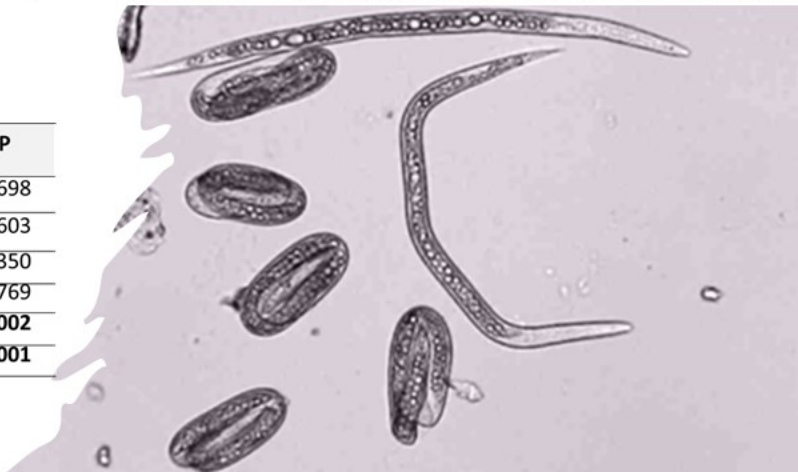
Evaluation of the Plant Population Density

Evaluation of the Root-Gall Index and the Plant Growth

THANK YOU FOR YOUR ATTENTION

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