

Study of Tomato Leaf Miner (*Tuta absoluta* M.) in Georgia at Different Temperatures

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Abstract. South American Tomato leaf miner *Tuta absoluta* is a micro lepidoptera insect, which mainly damages tomatoes. Nowadays, it is spread almost worldwide. In Georgia it was discovered in march 2011 and now it is met in all greenhouse farms. In the article are considered the previously unknown details about the South American tomato leaf miner in the condition of Georgia, as this pest has not been studied for years.

The level of pest spread was determined-intense, medium and work location. In Georgia, for the first time, was studied the duration of phases of the development of the South American Tomato leaf miner *Tuta absoluta* under different temperatures was established. In the conditions of Georgia, for the first time, studies were carried out on the peculiarities of ontogenesis, the spread of female pests on plant organs in percent. The experiments were carried out at constant temperatures of 10, 15, 20, 25 and 30⁰C *Tuta absoluta* completed its development at all these temperatures, humidity 70-80%. *Tuta absoluta* completed its development at all these temperatures.

According to the European and Mediterranean Plant Protection Organization (EPPO) and the North American Plant Protection Organization (NAPPO), *Tuta absoluta* is spread with the seeds, tomato fruits and plastic containers used during harvesting. In the imago and worm phase, it is characterized by the very fast migration ability.

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