

**THE FLYING CURVE OF *TUTA ABSOLUTA* (MEYRICK, 1917)
IN EXPERIMENTAL CONDITION DURING THE YEAR 2015 - 2016****Ajten Berxolli**Department of Plant Protection
Faculty of Agriculture and
Environment, Agricultural
University of Tirana
ALBANIA
ajten_b2005@yahoo.com**Shpend Shahini**Department of Plant Protection
Faculty of Agriculture and
Environment, Agricultural
University of Tirana
ALBANIA
shpend.shahini@gmail.com**ABSTRACT**

Greenhouse tomatoes in Albania generally available in the market with a production peak in the summer months around 600-800 kv/ha. Recently, certain disease and pest problems have inflicted heavy losses of tomato production. The tomato leaf miner, *Tuta absoluta* Meyrick, (Lepidoptera: Gelechiidae) is a serious pest of both outdoor and greenhouse tomatoes. The insect deposits egg usually on the underside of leaves stems and to a lesser extent on fruits and leaves on which they feed and develop creating mines and galleries. Using of proper and compatible methods is the best way to control this pest by reducing of pesticide using. In order to monitor the tomato moth *Tuta absoluta* in experimental area of 2 hectare, 4 pheromone traps were installed. The experimental scheme was divided into 4 variants with an area of 0.5 hectare. In this variant with a surface of 0.5 ha were placed 2 pheromone traps. The used method was the biotechnical one, monitored with pheromone traps. The traps delta types were placed in the monitored plots for identifying the evolution of the tomato moth populations. The pheromones were changed after 4 weeks. The flies counting and their monitoring into pheromone were performed on regular weekly basis intervals. Based on our monitoring using pheromone traps *Tuta absoluta* gives four generation as first cultivated tomatoes plants, and continues infecting the tomato as a secondary culture. The monitoring technique is the basic element to determine the time of intervention and to implement mass capture technique. During the monitoring process results that the first infections starts early in March.

Keywords: Tomato, *Tuta absoluta*, pheromone, control.