Frankliniella occidentalis – controlling in the cucumbers crops using physico-mechanical methods (yellow sticky traps)

Cristina ZEPA-CORADINI, Irina PETRESCU, Cerasela PETOLESCU, Ioan PĂLĂGEŞIU - USAMVB Timisoara

An important method used in monitoring and controlling Thysanoptera pest cucumber crops in protected areas is
physical-mechanical control method by using yellow sticky traps. Identification of thrips species directly on the trap is very difficult. Some species can be identified in this way including californian thrips, Frankliniella occidentalis.Yellow sticky traps attract a large number of adults and can be used directly in controlling or monitoring this pest population. In culture of cucumber in protected areas, the number of individuals collected varied very much, both reading and the traps, as can be seen that the highest number of samples/cm2 was identified on trap no. 2 and the lowest number was recorded on trap no. 4, where the number of individuals captured was about half less than the trap no. 2 On yellow sticky traps, the first reading was recorded an average of 87.81 samples/cm2, on the second reading has been a number of 71.43 samples/cm2 and the last reading the number of copies collected was 75.31 samples/cm2. Following research it was found that the greatest number of individuals/ trap was collected from the trap no. 2 (95 152 individuals/ trap) and the lowest number of individuals was collected from the trap no. 4 (56 848 individuals/ trap).The culture of cucumber, the average number samples/cm2 on yellow sticky traps was 78.18 individuals/cm2. The optimal moment of trapping, and testing of insecticides and methods of effective control and cleaner, colored sticky traps can be used in realizing an orientative system of integrated controlling of the pests and illnesses at the vegetable crop from the protected spaces.