

**NUMBER OF COUGHT SPECIMENS OF WESTERN CORN ROOTWORM
(*DIABROTICA VIRGIFERA VIRGIFERA* LECONTE, COL.: CHRYSOMELIDAE) ON
PHEROMON AND YELLOW STICKY TRAP IN FIELD OF DIFFERENT HISTORY**

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Monitoring of western corn rootworm (WCR) (*Diabrotica virgifera virgifera* LeConte, Col.: Chrysomelidae) was done in the period of July 4th, when pheromon and yellow sticky trap were located, to August 29th 2010, when last controll was done. Investigation, after survilience of area and preliminary inspections for detecton WCR in fields on Svilajnac area, done on three chosen locality with field of differet history. It is locality Bizičina – uncultivated lend, locality Lovački dom – wheat cultivated in previous year and locality Ada – corn in monocropping. To monitor adults in experiment two tipe of traps were used to compare number of cach specimens, pheromon Csalomon PAL+(Hungary) and yellow sticky traps (Pinus TKI d.d, Slovenia). Pheromon traps are placed on July 4th in 2010 on all three localities, 5-10 m from edge of plot in kernel zone. Yellow sticky traps are deployed in July 18 (localities Ada and Lovački dom) and 25 on locality Bizičina. Two replicates were set up in localities Bizičina and Lovački dom and five on locality Ada. Control inspections of traps were done weekly from July 11. to August 29, in the morning hours. First male specimens were couth in July 11th on sticky bases of pheromone traps, locality Ada. The highest number (Ada-68, Lovački dom-16 and Bizičina-12) of caught specimens was recorded in August 1st on all three localities on sticky bases of pheromone traps. On the yellow sticky traps first specimens were recorded on July 25, loc. Ada. The highest number of caught WCR (15) recorded in August the 1st. The total number of catch male specimens fluctuated among localities (Ada-496, Lovački dom-66 and Bizičina-49). The total number of captured adult on yellow sticky traps also vary (Ada-53, Lovački dom-6 and Bizičina-6). On both tipe of traps the highest number of specimens caught in August the 1st. History of field considerably influence on the WCR adult number. The highest number of WCR adult was caught in the plot with corn in monocropping.

Key words: *Diabrotica virgifera virgifera*, field history, corn, pheromon traps, yellow sticky traps

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***BOOK
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