

Monitoring of *Diabrotica virgifera virgifera* LeConte Pest in Alba County, Romania, 2002- 2007

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Abstract

In Romania, the west worm of corn roots was noticed for the first time 1996 in Arad County, Nadlac, near the border with Hungary. From here it has gone towards the county being spread in almost every counties, as follows: Arad, Timis, Caras-Severin, Mehedinti (1997), Bihor, Hunedoara (1998), Dolj (1999), Satu-Mare, Salaj, Alba, Gorj, Olt (2000), Ilfov, Suceava (2002), Hunedoara, Bistrita-Nasaud, Cluj (2003), Harghita, Mures, Valcea and in 2005 Maramures. In 2006 and 2007 M.A.P.D.R. showed to all phytosanitary units a monitoring plan for the pest that included all Romanian counties.

Diabrotica virgifera virgifera was notice for the first time in 2000 in Alba County and within 2002-2007 on control plots; it began the control of the west worm of the roots in corn crops in different locations. In Alba-Iulia, Sebes and Vintu de Jos in 2002 the number of the capture were 11, 13 and respectively 6, and in 2003 in the same locations the number of the captures grew significantly 453, 349 and 236. In 2004 was established a record for that period and that is 1183 captures in Alba-Iulia, 349 Sebes and 498 in Vintu de Jos. The monitoring in 2005 was achieved only in Alba-Iulia and it was observed a slightly decrease of the number captured, 929. In 2006 the chosen locations to be controlled Alba-Iulia, Aiud, Blaj, the number of captures being of 667, 166, 50. The year represented the highest point, the number of capture being maxim, 330 Alba-Iulia and 1527 at Tartaria. To control the specie we used the pheromones traps.

Key words: corn, root, pest, worm

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