RESEARCHES REGARDING THE INFLUENCE OF „SECUIENI METHOD" ON SEED YIELDS AT MONOECIOUS HEMP (*CANNABIS SATIVA* L.) CULTIVATED IN THE PEDOCLIMATIC CONDITIONS OF CENTRAL MOLDAVIA

Alexandra LEONTE[1], Constantin GĂUCĂ[1], Simona – Florina POCHIŞCANU[1], Alexandra – Andreea BUBURUZ[1], Teodor ROBU[2], Cătălina DRUŢU[3]

e-mail: alexandra.gherasim@scda.ro

Abstract

In this paper are presented the results obtained regarding the evolution of seed culture at monoecious hemp under the influence of „Secuieni method", method which consists in applying shearings during the plant intense growth phase. When the plants have a number of 5 – 6 floors with opposite leaves is applied a first cutt of the growth peak at 30 - 35 cm from ground level. After the first shearing, from the insertion of the leaves will grow 2 - 6 lateral shoots, that reached the size of 50-60 cm in the short term, between 15 - 20 days, when it is applied the second cutback at 15-20 cm above the first cutback. The big advantage of this method is that it reduces the plant size and allow harvesting by combines directly from the field, by raising the heder under the insertion of the ramifications with fruits. In A.R.D.S Secuieni pedoclimatic conditions, during 2013 – 2015, were performed researches on this method. The biological material used was represented by three varieties created at A.R.D.S Secuieni, respectively Denise, Diana and Dacia. These varieties were seeded with a seed norm of 6 kg/ha and the distances between the experimented rows were: 25 cm and 50 cm between rows. The obtained results have highlighted that the studied factors influenced in a very large extent the seed yield, that varied widely, ranging from 805 kg/ha at the Denise x 50 cm x uncutt interaction and 1115 kg/ha at the Dacia x 50 cm x two cuttings interaction. The correlation between the applyed cutting and the seed yield it was directly, the correlation coefficients (r) were statistically ensured and construed as being very significant at both experienced distances between rows (25 and 50 cm).

Key words: monoecious hemp, seed, production, cutting.