

RESEARCH ON THE INFLUENCE OF CULTURE TECHNOLOGY, FOR CERTAIN POTATO CULTIVARS IN LĂZAREA - HARGHITA COUNTY, ROMANIA

Andreea NISTOR¹, Nicoleta CHIRU¹, S. RUSU¹, Mihaela CIOLOCA¹

E-mail: tican_andreea@yahoo.com

¹ NIRDPSB Braşov

Abstract

Our goals were to increase the coefficient of seed potato, using different calibration classes for next cultivars: Ostara, Christian, Roclas, Desiree; development of planting material with high biological value from the fraction <25 mm (minitubers) compared with 25-35mm fraction; elaboration of differentiated technological variants (including sequence of technology culture and pest control performance); obtaining virus-free planting material (without infection) and a bigger amount of seed. Minitubers size 25-35mm planting influenced obtain higher yields than 15-25mm size, both in open field cultivation and in the tunnel. The research was conducted over two years, and watched the production of potato seed obtained, by planting minitubers to different planting densities and applying two technologies culture, open field and tunnel in insect proof. Planting density of 8 tubers / linear meter determined obtaining the highest yields of potato varieties

Key words: minitubers, free field, tunnels “insect proof”, planting density, planting size