

RESEARCHERS ON THE BEHAVIOR OF SUGAR BEET HYBRIDS IN THE PEDOCLIMATIC CONDITIONS OF THE CENTRAL PLATEAU OF MOLDOVA

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Abstract

The main purpose of the research was to test the productive and qualitative potential of 36 sugar beet hybrids from four international suppliers. The research was carried out in 2021, in two farms with high-performance plant cultivation technologies: Agricola 96 from Tiganasi, Iasi county (irrigated regime) and Agri Farm Ltd. from Balanesti, Neamt county (non-irrigated regime). The maximum biological sugar production in the irrigated system was 11.15 to/ha (hybrid Fiammeta), and in the non-irrigated system 12.20 to/ha hybrid Borjana). Knowing the productive and qualitative potential of sugar beet hybrids depending on the local pedoclimatic conditions, is a basic requirement in choosing the palette of hybrids that will be cultivated in the following years.

Key words: sugar, yield, irrigated beet, technology