



## Aspecte privind evaluarea unui fond important de germoplasmă locală de porumb din România

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The complex evaluation of the main maize germplasm fond represented by old local landraces, collected 40-50 years ago, is in the present, both in our country and abroad, opportune for the accumulation of knowledge concerning their values for increasing of the safety and security of agricultural production at the maize crop. The maize germplasm used by breeders becomes more valuable when complies with two basis conditions: genetic variability and own performances. The characterization of the germplasm fond represented by 200 maize local landraces which come from different areas of Romania, was accomplished in a complex study frame which follows two objectives: morphophysiological evaluation for agronomic characters and traits which are important in the wet and cold areas from Romania; identification of some useful genetic resources for yield capacity breeding, precocity, resistance to low temperature and resistance to rood and stalk lodging. The evaluation of 200 local landraces was accomplished in accordance with IPGRI descriptors (Rome, 1996). The results of the evaluation emphasized the incontestable value of this genetic resources for breeding of the maize hybrids performances which are destined for cultivation in the areas with restrictive thermal climate. Local landraces with valuable agronomic traits such as: a good productivity, resistance to low temperature, resistance to root and stalk lodging were identified Rezumatul redactat în limba engleză (cu referire expresa la rezultatele cercetarilor).