

RESEARCH ON THE ROLE OF PEA CULTIVATION IN AGRICULTURAL TECHNOLOGIES FOR ORGANIC PRODUCTION

Lucian RĂUS¹, Gabriel MIHU¹, Diana Elena BOLOHAN¹, Gavril ȘTEFAN¹

e-mail: rauslucian@uaiasi.ro

Abstract

The use of fertilizers and soil improvers in organic farming is limited to certain types of fertilizers and is one of the most important practical actions on which the efficient use of mineral nutrients depends. Organic farming uses organic or mineral compounds containing nutrients in forms that are relatively far removed from the forms that can be directly assimilated by plants as fertilizers. In organic farming, 'fertilization' is not carried out directly for the plant but for the mobilization of the microbiological complex in the soil to release nutrients through biological processes, making them accessible to plants throughout the growing season. An important role is played by annual and perennial legumes in the soil. The nitrogen they fix is released into the soil slowly, as organic matter from the body of nitrogen-fixing micro-organisms mineralizes.

Keywords: organic farming, organic fertilizers, peas, legumes