



Influenta diferitelor sisteme de lucrare a solului asupra producției de grâu și porumb într-un asolament de 3 ani

G. JITAREANU, T. ONISIE, M. ZAHARIA - USAMV Iasi

Researches were carried out within the framework of the USAMV – Iasi Research Station, Ezareni Farm, during a span of four years (1998-2001), on a cambic chernozem soil, with a 3.4 humus percentage. Winter wheat, compared to the plowing 20 cm control, presents significant yield outputs at the plowing 20+10 cm, plowing 30 cm and plowing 30 cm / 2 years plowing 20 cm variants. From an economical standpoint, yield outputs that cover the additional expenses were obtained at the plowing 20+10 cm and plowing 30 cm / 20 cm / 20 cm variants. The largest maize yield was obtained at the plowing 30 cm variant; yields close to the control values, with only some insignificant minus differences, were obtained by the Plowing 20+10 cm and Chisel / plowing 30 cm variants. All yield differences compared to the control variant registered by the other experimental variants, do not justify themselves from the economical standpoint.