



The effect of the nitrogen and phosphorus fertilisers upon some qualities properties at winter wheat

M. AXINTE, T. ROBU, M. ZAHARIA - USAMV Iasi
C. MOGLAN - S. C. Șoimul SRL, Garvăn - Tulcea
Geanina DONȚU, Carmen GHIȚĂU - USAMV Iasi

In a 5 years experience made on aluvisol soil at the Vacreni plain in Tulcea district it was followed the effect of the N and P fertilizers upon the production and the quality of the winter wheat at the Dropia variety. The N fertilizers had determined the increase of the weight of 1000 seeds from 41.78 g in the N0 variant upon the 43.86 g in the N160 variant, the increase of the hectolitic weight from the 77.28 kg in the in the N0 variant upon the 79.34 g in the N160 variant and the increase of the proteic contain from 10.66 % in the in the N0 variant upon the 15,57 % in the N160 variant. The P fertilizers had the same growth effect of the quality properties, but much smaller. The interaction between n and P had determined the substantial growth af the quality of the wheat cariopsa. So, the bigger MMB and MH had been obtained at the interaction N160P120 where the values were 44.1g and 80.0 kg/hl and the bigger protein contain of 16.43 % has been obtained in N160P160 variant. Also it had been observed the positive correlations between the MH and the protein contain.