Crop rotation, an important link in achieving a sustainable agriculture system

C. CIONTU, D. I. SANDOIU, M. GÅDEA - USAMV Bucuresti

This paper presents the average data in 1997/2000 years in Crop rotations field of Moara Domneasc\ – Ilfov.
This bifactorial experiment begun in 1981 under data method in 4 repetitions. The variants have for A – Factor the crops rotation and for B – factor – nitrogen applications. A – factor we have: a1 – wheat monoculture, a2 – maize monoculture, a3 – rotation wheat – maize, a4 – rotation pea – wheat – sugar beet – mais. The B factor – nitrogen - b1 – N0, b2 – N100. P70 was applied to all experimental plots was applied. We have made in every experimental plot determinations on weeds, number of seeds weeds in soil, organic matters, yeld, and yeld quality. Finally we have proved that the crop rotations are the central point of sustainable agriculture systems