

Economic Determinants of Maize Production in 2013-2014 in the Individual Farm

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Abstract : The article presents the costs and income maize cultivation for grain four selected varieties with different numbers of FAO in 2013-2014. Results of the experiments are derived from a field experiment conducted in indywidulnym farm specializing in the production plant located in the eastern part of Mazowieckie voivodship. The experiment examined the profitability of four varieties of maize cultivation: medium early: P8400 (FAO 240) and P8589 (FAO 250), and an average of late: PR38N86 (FAO 270) and P9027 (FAO 260). In order to evaluate the profitability of grain maize production was calculated income from 1 ha of crops in zł and profitability index taking into account the direct payments up to 1 ha. Analyzing the value of crop production can be concluded that the value of the total production of each variety was very much varied and very much depend on the sales price and yield of maize obtained from 1 ha of cultivation. The largest average seed yield of two years at a moisture content of 15% was achieved in a variety PR38N86, which amounted to 12.1 t / ha and the lowest in the variety P8400 - 9.8 t / ha. Income from 1 ha of crops including EU subsidies ranged from 4916.4 zł / ha in 2013 for variety and only 528.7 PR38N86 zł / ha for a variety of P8400 in 2014. Profitability index reached the highest average late PR38N86 variety of FAO 290 over the entire two-year period under study, and the lowest rate of profitability achieved P8400 medium early variety of FAO 240. The profitability of production ranged from 8964.0 zł / ha in 2013 for a variety of PR38N86 to 5616.0 zł / ha for a variety of P8400 in 2014. Cultivation of maize for grain production is attractive and does not require large amounts of work, but its economic rationale is based primarily on the resulting yield and the price of buying.

Keywords : corn, grain, income, profitability

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