



## Economic efficiency of Winter Rape (*Brassica Napus* l. Ssp. *Oleifera* D.C.)

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Rape (*Brassica napus* L ssp. *Oleifera* D.C) is a plant of Mediterranean origin, being largely used in the Middle Ages in the Central and Northern European countries due to the oil obtained from seeds, used both in cooking and in lighting. Considering these aspects, research has been carried out at SCDCB Tg Mures to analyze the behavior of winter rape cultivars in the presence of different doses of fertilizers based on N, P and K, as well as by experiencing several degrees of seeding thickness. Analyzing the profit rate according to the interactions of the researched items it followed that in the year 2004 – 2005 the highest profit rate, of 125%; was registered for the variant Valesca x 200 b.g./m<sup>2</sup> x N60P0K0. In the year 2005 – 2006, the interaction between Valesca x 200 b.g./m<sup>2</sup> x N60P0K0, had a rate of profit of 126.6% and in the year 2006 – 2007, the variant Vectra x 200 b.g./m<sup>2</sup> x N0P0K0 had a rate of profit of 80.1%. Among the fertilized variants, Vectra x 300 b.g./m<sup>2</sup> x N60P60K0 had a rate of profit of 53.20% while the variant Valesca x 200 b.g./m<sup>2</sup> x N60P0K0 had a rate of profit of 56%.