



# Agricultural Journals

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# **Agric. Econ. – Czech**

**Homolka J., Mydlář R.:**

## **Efficiency evaluation in intensive growing of winter rape**

*Agric. Econ. – Czech, 57 (2011): 247-257*

The aim of the paper was to evaluate the efficiency of winter rape growing which is based on the calculations and an analysis of production and economic indicators in the given branch. The development analysis of yields per hectare, costs, revenues and production profitability was carried out over the years 2003– 2009 in the Agro Žlunice and it was compared

with the results of the Czech Republic as a whole. In the enterprise, it deals with the traditional growing technology with a higher intensity of the intensification factors inputs in growing. Yields per hectare in the farm reached very favourable values which supported the stable position of the enterprise in the market with this agricultural commodity. It is possible to see a competitive advantage in the level of the per hectare yields. An average yield in the joint-stock company from 2003 to 2009 was 4.34 t/ha and an average yield in the CR over the last seven years was 2.9 t/ha. The enterprise's yield is by 1.44 t per ha higher compared to the average yields in the CR. In comparison of the average costs per hectare over the evaluated period in the enterprise and in the CR – in the enterprise, the costs were by 2.71% higher compared to the CR (the enterprise 21 991 CZK/ha, the CR 21 39 CZK/ha). However, the enterprise Agro Žlunice, a.s. reached in comparison of the cost per 1 tonne of production by 31.31% lower costs than is the CR average. The amount of expenses incurred was compensated by high yields per hectare

which the enterprises reached and therefore, it improved the profitability of growing of this crop-plant. The highest share in the total costs belonged to direct material costs. The share of material costs in the enterprise over 7 years was 55.28%. Among the direct material costs, there are mainly seeds, fertilizers and chemical