Title	Changes in Tocochromanol Content in Seeds of Brassica napus L. During Adverse
	Conditions of Storage
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## Abstract

Tocopherols and plastochromanol-8 were evaluated in seeds of *Brassica napus* L. during adverse conditions of storage at different temperatures (25 and 30 °C) and moisture levels (10, 12.5 and 15.5%). Both temperature and moisture content of seeds had a significant effect on the hydrolysis of triacylglycerols in rapeseed oil and on the contents of tocopherols and PC-8. The biggest losses of tocopherols (a drop by 14.4% after 18 days) were recorded for seeds with a moisture content of 15.5% and stored at a temperature of 30 °C. Losses of the  $\alpha$ -T homologue were bigger than those of  $\gamma$ -T. The loss of PC-8 ranged from 4 to 24% depending on storage conditions and it was almost two times bigger than the loss of tocopherols.

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