



Breeding of fodder galega (*GALEGA ORIENTALIS* LAM.) in Lithuania

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The first Lithuanian fodder galega (*Galega orientalis* Lam.) high-yielding cultivars 'Vidmantai', 'Laukiai' and 'Melsviai' were bred in 1986-1999 at the Research Station of the Lithuanian Agricultural University by applying group and individual selection of progeny from the wild populations. A good adaptability to Lithuanian agroclimatical conditions is established for the new fodder galega cultivar 'Vidmantai', 'Laukiai' and 'Melsviai'. 'Vidmantai', 'Laukiai' and 'Melsviai' guarantee early, heavy, protein- rich yield and high resistance to phytopathogens and pests. In the competitive variety trials the cultivar 'Vidmantai', 'Laukiai' and 'Melsviai' was tested during the period of 1996-2001. Average data of 5 years of the competitive trials of dry matter yield varied from 12.0 up to 12.4 t ha⁻¹ depending of the climatic conditions. The stable yield of seeds (0.60-0.62 t ha⁻¹) was established. The protein content on average consist 219.0 g kg⁻¹. The cultivars 'Vidmantai', 'Laukiai' and 'Melsviai' were registered in Lithuania and included into National List of Varieties (2000; 2001). The breeders of selected cultivars 'Vidmantai', 'Laukiai' and 'Melsviai' are L. Baležentienė, V. Spruogis, O. Kažemėkas and J. Levinskas.