

**YIELD AND FODDER QUALITY OF ITALIAN RYEGRASS  
(*LOLIUM MULTIFLORUM LAMK.*) UNDERSOWN IN SMALL GRAINS**

Aušra Abraityte, Vaclovas Bogužas, Maryte Urboniene

*Lietuvos žemės ūkio universitetas, Studentų g. 11, Akademija, 4324 Kauno r.*

*Lithuanian University of Agriculture, Studentu 11, Akademija, LT-4324 Kaunas, Lithuania*

*Tel. 39 70 11; faks. 39 75 00; el. paštas: afze@nora.lzua.lt*

**Summary.** The investigation was carried out in experimental Station (sustainable farming) and Kazliskiai ecological farm (organic farming) at Lithuanian University of Agriculture in 1996-1999. Italian ryegrass for late autumn fodder was undersown in small grains. Dry matter yield obtained after winter wheat - 0,81 t ha<sup>-1</sup> in sustainable farming and 0,73 t ha<sup>-1</sup> in organic farming, after barley only just 0,43 t ha<sup>-1</sup>. Italian ryegrass, undersown in winter wheat produces good quality and low input of fodder for cattle feeding in late autumn. Optimal seed rate of undersown Italian ryegrass in both farming systems - 15-20 kg ha<sup>-1</sup>.

**Keywords:** Italian ryegrass, catch crop, fodder quality, sustainable farming, organic farming.