



ZEBU

Italian Ryegrass (4n)

Lolium multiflorum Lam.

Things to know

ZEBU is a new tetraploid cultivar with similar characteristics as the well established standard variety ELLIRE. It disposes of improved resistance properties. ZEBU is the best suited cultivar if Italian ryegrass ought to winter twice. Its productivity continues until the summer of the second main harvest year.

Descent

Base material

Selection of cold resistance of single plant progenies. Material originally tetraploid Italian ryegrass varieties such as Fedo, Cervus, Ellire.

MO seed

Row trial 1994 (LI9425) with seed harvest on 30 clone progenies.

Literature

Suter D., Hirschi H.-U., Chapuis St., 2010. 29 Neuzüchtungen von Italienischem Raigras geprüft. Agrarforschung Schweiz 1(7), 280-285

Boller B., Schubiger F.-X., Tanner P., 2005. Alces und Zebu, neue tetraploide Sorten von Italienischem Raigras. Agrarforschung 12(5), 202-207

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2000

Situation abroad

DE (Representative: Freudenberger, Krefeld)

Agronomic characteristics

Results of the official Swiss variety trials 2007-2009 (Suter et al, 2010)

	ZEBU	Mean
Yield	4.6	4.5
General impression	3.9	3.6
Juvenile growth	2.8	2.9
Competing ability	4.7	4.7
Persistence	4.8	4.4
Resistance to winter conditions	4.6	4.5
Resistance to leafspots and rust	3.2	3.5
Resistance to bacterial wilt	1.9	2.0
Digestibility of the organic matter	5.3	5.3
Index (weighted average of all notes)	4.0	3.9

Scoring scale 1 = very good; 5 = medium; 9 = very poor
 Yield Mean of 4 experimental sites over 2 years
 Mean Mean value of standard varieties

Description according to UPOV guidelines

DUS test conducted at Scharnhorst, BSA (DE), 2000-2002

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
3	Tendency to form inflorescences (without vernalization)	very weak to weak	2
5	Leaf: color in the year of sowing	medium green to dark green	6
8	Time of inflorescence emergence (after vernalization)	medium	5
10	Flag leaf: length	medium	5
11	Flag leaf: width	medium to wide	6
12	Stem: length of longest stem including inflorescence	medium	5

