

ZEBRA

Italian Ryegrass (4n)

Lolium multiflorum Lam.

Things to know

Zebra is the sibling variety of Morunga. They both trace back to the same breeding material of the variety Oryx, which was treated with colchicine to gain the tetraploid form. Zebra heads very early and starts exceedingly fast in spring. Among its good resistances to diseases, the strong resistance against bacterial wilt is outstanding.

Descent

Base material

Selection in tetraploid breeding material of ART Reckenholz, emerging from a colchicine treatment of the variety Oryx. Selection on erect growth habit.

M0 seed

Row trials 2000 (LI0035) with seed harvest on 10 clone progenies from a polycross with 13 clones.

Literature

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

National listing

Situation in Switzerland On the Swiss List of Recommended Varieties of Forage Plants since 2009

Situation abroad

Agronomic caracteristics

Results of the official Swiss variety trials 2007-2009

(Suter et al. 2010)

(0410. 014., 2010)	ZEBRA	Mean
Yield	3.5	4.5
General impression	3.5	3.6
Juvenile growth	3.1	2.9
Competing ability	4.2	4.7
Persistence	4.3	4.4
Resistance to winter conditions	4.0	4.5
Resistance to leafspots an rust	2.8	3.5
Resistance to bacterial wilt	1.5	2.0
Digestibility of the organic matter	5.3	5.3
Index (weighted average of all notes)	3.5	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 gidelines

DUS test conducted at Crossnacreevy, Belfast, AFBI (UK), 2007-2009

1 F 2 F 10 T	Characteristics Ploidy	State of expression	Note
2 F 10 T	Ploidy		
10 T	loluy	tetraploid	4
V	Plant: growth habit	semi-erect	3
11 T	Tendency to form inflorescences (without vernalization)	absent or very weak	1
	Time of inflorescence emergence (after vernalization)	medium	5
14 F	Flag leaf: length	medium	5
15 F	Flag leaf: width	medium	5
	Stem: length of longest stem including inflorescence	very long	9

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