

Things to know

MARMOTA is a hybrid ryegrass of the type of a perennial ryegrass. In the summer growth MARMOTA does not form more reproductive tillers than typical varieties of perennial ryegrass. Therefore, its digestibility is considerably better than all of our other varieties of hybrid ryegrass. Furthermore, it shows a superior endurance compared to previously known types of ryegrass. From 1998 to 2000, MARMOTA was tested along with the recommended assortment of perennial ryegrass and showed by far the highest yields. When used uniquely for cutting, MARMOTA could be used in mixtures of grass and white clover as a substitute for perennial ryegrass.

Descent

Base material

Crossbreeding between tetraploid Italian ryegrass and tetraploid perennial ryegrass from Swiss ecotypes. Priority was set on small leaf width during the selection to a polycross.

M0 seed

Polycross 1991 (G9134) with 6 clones.

Literature

Frick R.,Mosimann E.,Suter D.,Hirschi H.-U., 2010. Bastard-Raigras und Wiesen-Fuchsschwanz: Sortenversuche 2007 bis 2009. Agrarforschung Schweiz 1(9), 334-339 Suter D.,Briner H.-U.,Mosimann E.,Jeangros B.,Stévenin L., 2005. Sortenversuche mit Italienischem und Bastard-Raigras. Agrarforschung 12(6), 242-247

MARMOTA Hybrid Ryegrass (4n)

Lolium x hybridum Hausskn.

National listing

Fact Sheet

Situation in Switzerland On the Swiss List of Recommended Varieties of Forage Plants since 2005

Situation abroad

FR (Representative: Semences Vertes) NL,LU,AT

Agronomic caracteristics

Results of the official Swiss variety trials 2007-2009 (Frick et al. 2010)

	MARMOTA	Mean
Yield	3.9	4.3
General impression	4.8	4.7
Juvenile growth	4.3	4.0
Competing ability	4.7	4.8
Persistence	4.7	5.1
Resistance to winter conditions	5.1	5.1
Resistance to leafspots an rust	3.3	3.2
Resistance to bacterial wilt	1.6	2.2
Digestibility of the organic matter	5.3	5.1
Index (weighted average of all notes)	4.2	4.3

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

UPOV NoCharacteristicsState of expressionNote1Ploidytetraploid43Tendency to form inflorescences (without vernalization)very weak to weak25Leaf: color in the year of sowingmedium green to dark green68Time of inflorescence emergence (after vernalization)very early110Flag leaf: lengthlong711Flag leaf: widthbroad712Stem: length of longest stem including inflorescencelong to very long8	DUS test of	conducted at Scharnhorst, BSA (DE), 2002-20	004	
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