



# MARAVA

## Perennial Ryegrass (2n)

*Lolium perenne* L.

### Things to know

The diploid variety Marava shows an intermediate-early maturity with 6 days later heading when compared to the very early maturing variety Arolus. Marava shows a well-balanced forage yield over the season with dense stands, as typical for diploid varieties of perennial ryegrass. It shows a highly increased digestibility of organic matter when compared to other diploid reference varieties, reaching nearly the level of tetraploid varieties. Combining these characteristics, Marava can especially be recommended for mixtures for pastures or for meadows with combined use of grazing and cutting.

### Descent

#### Base material

Selection in breeding material of the variety Arion.

### MO seed

Row trial 2001 (LP0125) with 7 half-sib families derived from a polycross.

### Literature

Suter D., Hirschi H.-U., Frick R., Aebi P., 2012. Englisches Raigras: 62 Sorten mussten sich bewähren. Agrarforschung Schweiz 3(9), 414-421

### National listing

#### Situation in Switzerland

Not on the List of Recommended Varieties of Forage Plants

#### Situation abroad

DE (Representative: Rudloff, Bad Schwartau)

### Agronomic characteristics

Results of the official Swiss variety trials 2009-2011 (Suter et al. 2012) (frühe-mittelfrühe Sorten)

	MARAVA	Mean
Yield	5.5	4.9
General impression	4.2	3.5
Juvenile growth	3.2	2.7
Competing ability	3.3	3.2
Persistence	3.6	3.3
Resistance to winter conditions	5.8	5.1
Resistance to leafspots and rust	4.0	3.5
Digestibility of the organic matter	3.0	4.3
Persistence at higher altitudes	4.3	3.5
Index (weighted average of all notes)	4.2	3.9

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

### Description according to UPOV guidelines

DUS test conducted at Scharnhorst, BSA (DE), 2010-2012

UPOV No	Characteristics	State of expression	Note
1	Ploidy	diploid	2
5	Leaf: intensity of green color	medium	5
7	Plant: vegetative growth habit (without vernalization)	intermediate	5
10	Plant: tendency to form inflorescences (without vernalization)	very weak to weak	2
11	Time of inflorescence emergence (after vernalization)	very early to early	2
14	Flag leaf: length	medium	5
15	Flag leaf: width	medium to wide	6

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