



# DORCAS

## Hybrid Ryegrass (4n)

*Lolium x hybridum* Hausskn.

### Things to know

DORCAS features very good resistance properties against leaf diseases and snow mould diseases. In summer, this cultivar forms considerably less reproductive tillers than Italian ryegrass and provides at this time good and digestible fodder. DORCAS is the ideal variety for the combination with diploid Mattenklee in a triennial Mattenklee-grass mixture.

### Descent

#### Base material

Selection of hybrid ryegrass treated with colchicine which originate from crossings between Italian ryegrass of the varieties TURILO, LIAL and perennial ryegrass derived from ecotypes and several varieties.

### MO seed

Row trial 1987 (LH8705) added in altitude with seed harvest on 30 clone progenies from a polycross with 78 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

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 1995

#### Situation abroad

LU, NL, PL

### Agronomic characteristics

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

	DORCAS	Mean
Yield	4.8	4.3
General impression	4.4	4.7
Juvenile growth	3.6	4.0
Competing ability	4.3	4.8
Persistence	5.1	5.1
Resistance to winter conditions	4.9	5.1
Resistance to leafspots and rust	3.0	3.2
Resistance to bacterial wilt	2.3	2.2
Digestibility of the organic matter	4.7	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 guidelines

DUS test conducted at La Minière, GEVES (FR), 1992-1994

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
3	Tendency to form inflorescences (without vernalization)	medium	5
5	Leaf: color in the year of sowing	medium green to dark green	6
8	Time of inflorescence emergence (after vernalization)	early	3
10	Flag leaf: length	long to very long	8
11	Flag leaf: width	broad	7
12	Stem: length of longest stem including inflorescence	medium to long	6

