



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 Mattenklees in a triennial Mattenklees-ryegrass 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.

M0 seed

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

Literature

Frick R., Suter D., Dereuder E., Hirschi H.-U., 2021.

Sortenprüfung für Futterpflanzen: zwei Neuerungen beim Bastard-Raigras. Agrarforschung Schweiz 12(1), 151-156

Suter D., Frick R., Hirschi H.-U., Aebi P., 2015. Bastard-Raigras: 26 Sorten im Feld geprüft. Agrarforschung Schweiz 6(9), 392-399

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants from 1995 to 2023

Further registered in the following countries

NLD

Agronomic characteristics

Results of the official Swiss variety trials 2018-2020

(Frick et al. 2021) (Typ "IR/ER")

	DORCAS	Mean
Yield	5.6	4.9
General impression	4.1	3.7
Juvenile growth	2.9	2.7
Competing ability	5.3	5.0
Persistence	5.8	4.8
Resistance to winter conditions	3.6	3.9
Resistance to leafspots a rust	2.8	2.5
Resistance to bacterial wilt	3.8	3.6
Digestibility of the organic matter	5.3	4.9
Index (weighted average of all notes)	4.5	4.1

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 (FRA), 1992-1994

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
3	Plant: 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	Plant: length of longest stem including inflorescence	medium to long	6

Version: 05.10.2021

Publisher: Agroscope, Reckenholzstrasse 191, 8046 Zürich

In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley

Authors: Christoph Grieder and Peter Tanner, Agroscope

Copyright: © 2021, Agroscope

www.agroscope.ch www.futterpflanzen.ch



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER

Agroscope