



PERENEIA

Hybrid Ryegrass (4n)

Lolium x hybridum Hausskn.

Persistent like perennial ryegrass

Things to know

The name Pereneia indicates that this is not a classic hybrid ryegrass, but a backcross of hybrid ryegrass with perennial ryegrass (*Lolium perenne*). In comparison to perennial types of existing hybrid ryegrass, it achieved top marks in endurance as well as in the digestibility of the organic matter in the official variety test from 2014 to 2016. Despite this strong perennial character, Pereneia also showed the highest yields.

Descent

Base material

Hybrid-ryegrass (4n *L. perenne* x 4n *L. multiflorum*) backcrossed with perennial ryegrass (material Arcturus, Algira, Salmo)

MO seed

Row trial 2007 (LH0765) with seed harvest on 9 half-sib families from a polycross with 10 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., 2019. Liste der empfohlenen Sorten von Futterpflanzen 2019-2020. Agrarforschung Schweiz 10(1), 1-16

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2017

Further registered in the following countries

Agronomic characteristics

Results of the official Swiss variety trials 2018-2020 (Frick et al. 2021) (Typ "ER")

	PERENEIA	Mean
Yield	4.5	5.0
General impression	3.1	3.2
Juvenile growth	3.2	2.9
Competing ability	4.8	4.6
Persistence	3.5	3.5
Resistance to winter conditions	3.1	3.3
Resistance to leafspots and rust	2.5	2.7
Resistance to bacterial wilt	3.2	3.6
Digestibility of the organic matter	3.7	3.7
Index (weighted average of all notes)	3.6	3.7

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 Scharnhorst, BSA (DEU), 2015-2016

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
10	Plant: tendency to form inflorescences (without vernalization)	very weak to weak	2
11	Time of inflorescence emergence (after vernalization)	early	3
14	Flag leaf: length	long	7
15	Flag leaf: width	very broad	9
17	Plant: length of longest stem including inflorescence	long	7
24	Plant: tendency to form inflorescences in aftermath	very weak to weak	2

