



LEONIS

Hybrid Ryegrass (4n)

Lolium x hybridum Hausskn.

Things to know

The new cultivar Leonis is a direct descendant of our successful cultivar Rusa. It has a slightly stronger tendency towards the Italian type, but it forms considerably less reproductive tillers than Ibex or Redunca. Leonis provides very high yields and shows exceptional resistance to leaf diseases. It remains fully productive up to the end of the second main harvest year.

Descent

Base material

Mother clones of the variety RUSA descending from crossings between tetraploid Italian ryegrass and tetraploid perennial ryegrass from Swiss ecotypes

M0 seed

Row trial 1996 with seed harvest on 8 clone progenies from a polycross with 9 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 since 2005

Further registered in the following countries

DEU, AUT, CZE

Agronomic characteristics

Results of the official Swiss variety trials 2018-2020

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

	LEONIS	Mean
Yield	5.0	4.9
General impression	3.8	3.7
Juvenile growth	3.0	2.7
Competing ability	5.1	5.0
Persistence	4.5	4.8
Resistance to winter conditions	4.5	3.9
Resistance to leafspots and rust	2.2	2.5
Resistance to bacterial wilt	3.7	3.6
Digestibility of the organic matter	5.3	4.9
Index (weighted average of all notes)	4.2	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 Scharnhorst, BSA (DEU), 2002-2004

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
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	very long	9

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