

Fact Sheet

SALAMANDRA

Perennial Ryegrass (4n)

Lolium perenne L.

Things to know

With the cultivar SALAMANDRA, the range of early, tetraploid varieties which are very resistant to diseases, will be completed and enhanced. The precocity of SALAMANDRA stands between the already established varieties ARVICOLA and LACERTA. In comparison to these two varieties, SALAMANDRA builds denser stands and provides higher yields mainly in the second main harvest year. The main adavantage of SALAMANDRA lies in it's high digestibility, which is superior to any other early variety.

Descent

Base material

Swiss ecotypes treated wiith colchicine and material of the variety LACERTA.

M0 seed

Row trial 1996 (LP9645) with 10 clone progenies from a polycross with 10 clones.

Literature

Suter D., Frick R., Hirschi H.-U., 2023. Sortenprüfung Englisches Raigras: Sechs Neuzüchtungen nehmen die agronomische Hürde. Agrarforschung Schweiz 14(1), 122-129

Kempf K., Schubiger F.-X., Tanner P., Grieder C., 2020. Mehr Gene, mehr Leistung: die neuen Englisch-Raigras-Sorten von Agroscope. Agrarforschung Schweiz 11(1), 1-8

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2001

Further registered in the following countries DEU.LUX

Agronomic caracteristics

Results of the official Swiss variety trials 2020-2022

(Suter et al. 2023) (4n, früh-mittelfrüh)

(Outor of all 2020) (411, Iran millionian)	SALAMANDRA	Mean
Yield	4.9	4.2
General impression	2.6	2.6
Juvenile growth	1.5	2.1
Competing ability	4.4	4.3
Persistence	3.0	2.9
Resistance to winter conditions	3.3	3.3
Resistance to leafspots an rust	4.0	3.6
Digestibility of the organic matter	2.7	3.3
Persistence at higher altitudes	1.9	2.2
Index (weighted average of all notes)	3.2	3.2

Scoring scale 1 = very good; 5 = medium; 9 = very poor Mean of 4 experimental sites over 2 years Yield Mean Mean value of standard varieties

Description according to UPOV gidelines

DUS test conducted at Scharnhorst, BSA (DEU), 2002-2003

UPOV No Characteristics State of expression Note 1 Ploidy tetraploid 4 5 Leaf: color in the year of sowing medium green to dark green 8 Time of inflorescence emergence (after vernalization) 10 Flag leaf: length medium to long 6 11 Flag leaf: width medium to wide 6 12 Plant: length of longest stem including inflorescence				
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	12		medium to long	6

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