



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 advantage of SALAMANDRA lies in its high digestibility, which is superior to any other early variety.

Descent

Base material

Swiss ecotypes treated with 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 characteristics

Results of the official Swiss variety trials 2020-2022

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

	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 and 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
 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), 2002-2003

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