



# 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., Hirschi H.-U., Frick R., 2017. Englisches Raigras: neue Sorten für den Schweizer Kunstfutterbau empfohlen. Agrarforschung Schweiz 8(7), 292-299

Grieder C., Tanner P., Schubiger F.-X., Boller B., 2015. Sechs neue Sorten von Englischem Raigras aus Schweizer Züchtung. Agrarforschung Schweiz 6(7), 320-327

### National listing

#### Situation in Switzerland

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

#### Situation abroad

DE (Representative: Rudloff, Bad Schwartau)  
LU, CZ

### Agronomic characteristics

Results of the official Swiss variety trials 2014-2016  
(Suter et al. 2017) (4n, früh)

	SALAMANDRA	Mean
Yield	4.1	3.9
General impression	2.8	2.8
Juvenile growth	1.9	1.7
Competing ability	5.2	5.0
Persistence	4.2	3.9
Resistance to winter conditions	4.2	4.4
Resistance to leafspots an rust	2.5	2.5
Digestibility of the organic matter	4.5	4.6
Persistence at higher altitudes	2.2	2.2
Index (weighted average of all notes)	3.4	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 (DE), 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

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