

# 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

Boller B., Schubiger F.-X., Tanner P., 2006. Neue Schweizer Raigras-Sorten: Arvella, Salamandra, Alligator. Agrarforschung 13(4), 170-175 Suter D., Briner H.-U., Rosenberg E., Mosimann E., Jeangros B., Bertola C., Stévenin L., 2006. Englisches Raigras: 61 Sorten geprüft. Agrarforschung 13(7), 278-283

#### **National listing**

Situation in Switzerland

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

Situation abroad

DE (Representative: Innoseeds B.V., Kapelle NL)

#### Agronomic caracteristics

Results of the official Swiss variety trials 2009-2011

(frühe-mittelfrühe Sorten) (nicht publiziert)

(mane-mitternane Sorten) (mont publiziert)	SALAMANDRA	Mean
Yield	4.0	4.9
General impression	3.0	3.5
Juvenile growth	2.1	2.7
Competing ability	3.5	3.2
Persistence	2.8	3.3
Resistance to winter conditions	4.1	5.1
Resistance to leafspots an rust	3.6	3.5
Digestibility of the organic matter	2.0	4.3
Persistence at higher altitudes	2.7	3.5
Index (weighted average of all notes)	3.1	3.9

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

## **Description according to UPOV gidelines**

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

Characteristics	State of expression	Note
Ploidy	tetraploid	4
Leaf: color in the year of sowing	medium green to dark green	6
Time of inflorescence emergence (after vernalization)	very early	1
Flag leaf: length	medium to long	6
Flag leaf: width	medium to wide	6
Stem: length of longest stem including inflorescence	medium to long	6
	Ploidy Leaf: color in the year of sowing  Time of inflorescence emergence (after vernalization) Flag leaf: length Flag leaf: width Stem: length of longest stem including	Ploidy tetraploid  Leaf: color in the year of sowing medium green to dark green  Time of inflorescence emergence (after vernalization)  Flag leaf: length medium to long  Flag leaf: width medium to wide  Stem: length of longest stem including medium to long

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