



Fact Sheet

SORAYA

Perennial Ryegrass (4n)

Lolium perenne L.

The latest maturing Swiss variety of perennial ryegrass

Things to know

Soraya is the latest Swiss variety of perennial ryegrass. A crossing between late varieties from abroad with early Swiss breeding material let a variety arise which builds rapidly a lot of foliage in spring despite of the late ear emergence.

This allows a first silage making of very high quality. Due to the very good resistance to diseases, in particular to crown rust, the good quality of fodder is conserved also in the summer growth.

Descent

Base material

Breeding material treated with colchicine tracing back to crossings between varieties and Swiss ecotypes.

M0 seed

Row trials 2003 (LP0355) with seed harvest on 9 clone progenies from a polycross with 12 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 2011

Situation abroad

FR (Representative: Semences Vertes)

DE (Representative: Freudenberger, Krefeld)

AT

Agronomic characteristics

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

	SORAYA	Mean
Yield	4.4	4.9
General impression	3.1	3.5
Juvenile growth	2.1	2.6
Competing ability	5.0	5.7
Persistence	4.1	4.6
Resistance to winter conditions	4.9	4.7
Resistance to leafspots and rust	3.0	3.8
Digestibility of the organic matter	5.5	5.0
Persistence at higher altitudes	2.4	3.2
Index (weighted average of all notes)	3.9	4.3

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), 2010-2012

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
2	Plant: vegetative growth habit (without vernalization)	intermediate to semi-prostrate	6
5	Leaf: intensity of green color	medium	5
10	Plant: tendency to form inflorescences (without vernalization)	absent or very weak	1
11	Time of inflorescence emergence (after vernalization)	medium	5
17	Plant: length of longest stem including inflorescence	medium to long	6

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