



# 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 (Pandora, Pastoral, Elgon) 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., 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 2012

#### Further registered in the following countries

FRA,AUT,DEU,CAN

### Agronomic characteristics

Results of the official Swiss variety trials 2020-2022 (Suter et al. 2023) (4n, mittelspät-spät)

	SORAYA	Mean
Yield	4.5	4.1
General impression	3.5	3.4
Juvenile growth	1.8	2.4
Competing ability	4.5	4.7
Persistence	3.6	3.7
Resistance to winter conditions	3.4	3.5
Resistance to leafspots an rust	3.8	4.0
Digestibility of the organic matter	4.3	4.6
Persistence at higher altitudes	2.9	3.1
Index (weighted average of all notes)	3.7	3.7

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), 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