



# BELLATOR

## Perennial Ryegrass (4n)

*Lolium perenne* L.

Persistent performance

### Things to know

Bellator convinced with the best performance in the official Swiss variety test 2014-2016 and, thus, sets new standards in the late-maturing, tetraploid range. The variety convinces with a good performance in all traits and delivers persistent high yields.

### Descent

#### Base material

Late varieties (Pandora, Pastoral, Elgon) and a tetraploid ecotype from the Les Barges region crossed with tetraploid material from Agroscope.

### M0 seed

Row trial 2008 (LP0886) 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 2019

#### Further registered in the following countries

DEU, FRA

### Agronomic characteristics

Results of the official Swiss variety trials 2020-2022

(Suter et al. 2023) (4n, mittelspät-spät)

	BELLATOR	Mean
Yield	2.9	4.1
General impression	3.3	3.4
Juvenile growth	2.3	2.4
Competing ability	4.0	4.7
Persistence	3.7	3.7
Resistance to winter conditions	3.3	3.5
Resistance to leafspots and rust	3.6	4.0
Digestibility of the organic matter	4.3	4.6
Persistence at higher altitudes	3.1	3.1
Index (weighted average of all notes)	3.4	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), 2015-2017

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
14	Flag leaf: length	medium to long	6
15	Flag leaf: width	broad	7