



# AROLUS

## Perennial Ryegrass (2n)

*Lolium perenne* L.

### Things to know

The variety Arolus is a very early diploid variety. It heads even one day earlier than the variety Arion. For a diploid cultivar, it has exceedingly strong resistances against rust and snow mould. Arolus builds dense crops, shows a fast development in spring and achieves secure and high yields up to the marginal areas of ryegrass cultivation. Arolus is registered on the Swiss list.

### Descent

#### Base material

Ecotypes from different regions of Switzerland and Germany.

### MO seed

Row trial 1997 (LP9765) with seed harvest on 6 clone progenies from a polycross with 10 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 2007

Further registered in the following countries

### Agronomic characteristics

Results of the official Swiss variety trials 2020-2022

(Suter et al. 2023) (2n, früh-mittelfrüh)

	AROLUS	Mean
Yield	7.5	6.5
General impression	3.8	3.7
Juvenile growth	3.3	3.5
Competing ability	4.3	4.2
Persistence	3.3	3.3
Resistance to winter conditions	3.1	3.4
Resistance to leafspots an rust	5.0	5.1
Digestibility of the organic matter	6.3	6.2
Persistence at higher altitudes	3.6	3.6
Index (weighted average of all notes)	4.4	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 (DEU), 2003-2005

UPOV No	Characteristics	State of expression	Note
1	Ploidy	diploid	2
5	Leaf: color in the year of sowing	medium green	5
8	Time of inflorescence emergence (after vernalization)	very early	1
10	Flag leaf: length	short	3
11	Flag leaf: width	medium	5
12	Plant: length of longest stem including inflorescence	short to medium	4
24	Plant: tendency to form inflorescences (without vernalization)	very weak to weak	2