



Fact Sheet

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 both the Swiss and the German list.

Descent

Base material

Ecotypes from different regions of Switzerland and Germany.

M0 seed

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

Suter D., Hirschi H.-U., Frick R., Aebi P., 2012. Englisches Raigras: 62 Sorten mussten sich bewähren. Agrarforschung Schweiz 3(9), 414-421

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2007

Situation abroad

DE (Representative: SZ Steinach)
AT

Agronomic characteristics

Results of the official Swiss variety trials 2014-2016
(Suter et al. 2017) (2n, früh)

| | AROLUS | Mean |
|---------------------------------------|--------|------|
| Yield | 6.3 | 5.9 |
| General impression | 3.7 | 3.5 |
| Juvenile growth | 3.1 | 2.7 |
| Competing ability | 5.8 | 5.6 |
| Persistence | 4.6 | 4.5 |
| Resistance to winter conditions | 4.3 | 4.5 |
| Resistance to leafspots an rust | 3.7 | 3.9 |
| Digestibility of the organic matter | 5.2 | 5.2 |
| Persistence at higher altitudes | 3.5 | 3.2 |
| Index (weighted average of all notes) | 4.1 | 4.0 |

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), 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 |

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