

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.,Briner H.-U.,Rosenberg E.,Mosimann E.,Jeangros B.,Bertola C.,Stévenin L., 2006. Englisches Raigras: 61 Sorten geprüft. Agrarforschung 13(7), 278-283

AROLUS

Perennial Ryegrass (2n)

Lolium perenne L.

Fact Sheet

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 caracteristics

Results of the official Swiss variety trials 2009-2011 (frühe-mittelfrühe Sorten) (nicht publiziert)

| (| AROLUS | Mean |
|---------------------------------------|--------|------|
| Yield | 5.0 | 4.9 |
| General impression | 3.8 | 3.5 |
| Juvenile growth | 3.3 | 2.7 |
| Competing ability | 3.0 | 3.2 |
| Persistence | 3.4 | 3.3 |
| Resistance to winter conditions | 5.0 | 5.1 |
| Resistance to leafspots an rust | 4.1 | 3.5 |
| Digestibility of the organic matter | 6.0 | 4.3 |
| Persistence at higher altitudes | 4.0 | 3.5 |
| Index (weighted average of all notes) | 4.1 | 3.9 |

| Scoring scale | 1 = very good; 5 = medium; 9 = very poor |
|---------------|---|
| Yield | Mean of 5 experimental sites over 2 years |
| Mean | Mean value of standard varieties |

Description according to UPOV gidelines

| | 005 | |
|---|---|--|
| Characteristics | State of expression | Note |
| Ploidy | | 2 |
| Leaf: color in the year of sowing | medium green | 5 |
| Time of inflorescence emergence (after vernalization) | very early | 1 |
| Flag leaf: length | short | 3 |
| Flag leaf: width | medium | 5 |
| Stem: length of longest stem including inflorescence | short to medium | 4 |
| Tendency to form inflorescences (without vernalization) | very weak to weak | 2 |
| | Ploidy Leaf: color in the year of sowing Time of inflorescence emergence (after vernalization) Flag leaf: length Flag leaf: width Stem: length of longest stem including inflorescence Tendency to form inflorescences (without | PloidyLeaf: color in the year of sowingmedium greenTime of inflorescence emergence (after vernalization)very earlyFlag leaf: lengthshortFlag leaf: widthmediumStem: length of longest stem including inflorescenceshort to mediumTendency to form inflorescences (withoutvery weak to weak |

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