



ALLODIA

Perennial Ryegrass (4n)

Lolium perenne L.

Things to know

Allodia originates from a cross between colchicine treated Swiss ecotype material and the two Dutch varieties Anaconda and Aubisque. From this cross, Allodia was selected for a late heading date over two generations. Allodia, showing 1 day earlier heading than Alligator, is characterized by a high yield potential, good resistance against leaf diseases and an outstanding digestibility. In the official trials from 2009 to 2011, it reached the top overall-ranking among all candidates and varieties of the late maturing segment. Combining Allodia with an early maturing variety ensures swards with a balanced yield-potential over the whole year.

Descent

Base material

Late maturing varieties (Anaconda, Aubisque) crossed with tetraploid breeding material of Agroscope

MO seed

Row trial 2003 (LP0395) with seed harvest on 9 half-sib families of a polycross with 9 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 2013

Further registered in the following countries

DEU,LUX,AUT

Agronomic characteristics

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

| | ALLODIA | Mean |
|---------------------------------------|---------|------|
| Yield | 3.9 | 4.1 |
| General impression | 3.4 | 3.4 |
| Juvenile growth | 2.1 | 2.4 |
| Competing ability | 4.7 | 4.7 |
| Persistence | 3.8 | 3.7 |
| Resistance to winter conditions | 3.6 | 3.5 |
| Resistance to leafspots and rust | 4.0 | 4.0 |
| Digestibility of the organic matter | 4.0 | 4.6 |
| Persistence at higher altitudes | 3.0 | 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 |
| 5 | Leaf: intensity of green color | medium | 5 |
| 7 | Plant: vegetative growth habit (without vernalization) | semi-erect to intermediate | 4 |
| 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 |

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 In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley
 Authors: Christoph Grieder and Peter Tanner, Agroscope
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