



ALLIGATOR

Perennial Ryegrass (4n)

Lolium perenne L.

Things to know

With ALLIGATOR for the first time a Swiss cultivar appears in the category of medium late to late varieties on the list of recommended varieties. The time of its inflorescence emerging is about ten days later than LACERTA. ALLIGATOR is very high yielding, sustains snow mould quite well and endures also at higher altitudes. Due to the parallel entry on the list in Germany, the seed production started in 2001. ALLIGATOR can be used in all grass/white clover mixtures in which the participation of a medium late to late ryegrass is planned.

Descent

Base material

Varieties Fantoom and Prana, selected on resistance to bacterial wilt and crown rust.

M0 seed

Row trial 1990 (LP9035) with 6 clone progenies from a polycross with 7 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

Grieder C., Tanner P., Schubiger F.-X., Boller B., 2015. Sechs neue Sorten von Englischem Raigras aus Schweizer Züchtung. Agrarforschung Schweiz 6(7), 320-327

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2001

Situation abroad

DE (Representative: Euro Grass, Lipstadt)
AT, LU

Agronomic characteristics

Results of the official Swiss variety trials 2014-2016 (Suter et al. 2017) (4n, spät)

| | ALLIGATOR | Mean |
|---------------------------------------|-----------|------|
| Yield | 4.0 | 4.9 |
| General impression | 3.3 | 3.5 |
| Juvenile growth | 2.2 | 2.6 |
| Competing ability | 5.5 | 5.7 |
| Persistence | 4.7 | 4.6 |
| Resistance to winter conditions | 4.3 | 4.7 |
| Resistance to leafspots and rust | 4.5 | 3.8 |
| Digestibility of the organic matter | 4.8 | 5.0 |
| Persistence at higher altitudes | 3.0 | 3.2 |
| Index (weighted average of all notes) | 4.1 | 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 (DE), 1998-2000

| UPOV No | Characteristics | State of expression | Note |
|---------|--|---------------------|------|
| 1 | Ploidy | tetraploid | 4 |
| 3 | Plant: tendency to form inflorescences (without vernalization) | absent or very weak | 1 |
| 5 | Leaf: color in the year of sowing | medium green | 5 |
| 8 | Time of inflorescence emergence (after vernalization) | early to medium | 4 |
| 10 | Flag leaf: length | long | 7 |
| 11 | Flag leaf: width | broad | 7 |
| 12 | Plant: length of longest stem including inflorescence | medium to long | 6 |

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