



VIDALIA

Perennial Ryegrass (4n)

Lolium perenne L.

Things to know

Source of the late maturity of Vidalia is a tetraploid population that showed very good persistence in the region of Les Barges (VD, Switzerland), previously thought to be an ecotype. Vidalia was created by crossing this population with early maturing material of the type Arcturus/Algira/Salmo and shows 1 day later heading than Alligator. Compared to Alligator, Vidalia shows a largely improved resistance against leaf diseases, competitive ability and persistence. In the official trials from 2009 to 2011, Vidalia showed best digestibility among all candidates and varieties tested.

Descent

Base material

Tetraploid breeding material of Agroscope crossed with a tetraploid population from an old sown meadow in Les Barges.

MO seed

Row trial 2003 (LP0396) with seed harvest on 17 half-sib families of a polycross with 22 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

Agronomic characteristics

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

	VIDALIA	Mean
Yield	4.2	4.1
General impression	3.2	3.4
Juvenile growth	2.4	2.4
Competing ability	4.5	4.7
Persistence	3.6	3.7
Resistance to winter conditions	3.5	3.5
Resistance to leafspots and rust	3.9	4.0
Digestibility of the organic matter	4.7	4.6
Persistence at higher altitudes	2.6	3.1
Index (weighted average of all notes)	3.6	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), 2013-2015

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
2	Plant: vegetative growth habit (without vernalization)	intermediate to semi-prostrate	6
5	Leaf: intensity of green color	medium	5
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	medium to wide	6

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