



ALGIRA

Perennial Ryegrass (4n)

Lolium perenne L.

The top variety for "AR"-mixtures

Things to know

Alike the varieties Salmo and Arcturus, Algira originates from a colchicine treatment to transform diploid elite breeding material tracing back to Swiss ecotypes into the tetraploid state. Algira shows an early heading as the variety Arvicola an can be used in "AR"-mixtures. Compared to Arvicola and Artesia, Algira shows a largely improved yield and resistance against crown rust. Also with regard to digestibility, Algira showed top results in the official trials from 2009 to 2011. This is also why Algira got the best overall ranking among all candidates and varieties tested in this official trials.

Descent

Base material

Selection in intermediate maturing Agroscope breeding material originating from a colchicine treatment of Swiss ecotypes.

MO seed

Row trial 2004 (LP0485) with seed harvest on all half-sib families from a polycross with 11 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

LUX

Agronomic characteristics

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

	ALGIRA	Mean
Yield	4.5	4.2
General impression	2.4	2.6
Juvenile growth	1.7	2.1
Competing ability	4.2	4.3
Persistence	2.7	2.9
Resistance to winter conditions	3.6	3.3
Resistance to leafspots an rust	3.3	3.6
Digestibility of the organic matter	4.3	3.3
Persistence at higher altitudes	1.9	2.2
Index (weighted average of all notes)	3.2	3.2

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)	intermediate to semi-prostrate	6
10	Plant: tendency to form inflorescences (without vernalization)	weak	3
11	Time of inflorescence emergence (after vernalization)	very early	1
14	Flag leaf: length	medium to long	6
15	Flag leaf: width	broad	7

