



GALAXIAS

Hybrid Ryegrass (4n)

Lolium x hybridum Hausskn.

The all-rounder in the intermediate range

Things to know

The intermediate variety Galaxias is comparable to the known variety Ocadia in terms of growth type, but shows a slightly stronger stalk formation in the subsequent growths. The new variety impressed with a good performance level in all traits when it was approved in the Swiss registration test from 2018 to 2020. Especially in resistance to bacterial wilt, Galaxias again showed a significant improvement compared to the existing varieties.

Descent

Base material

Cross between tetraploid Italian with tetraploid perennial ryegrass from the Agroscope breeding program.

MO seed

Row trial 2013 (LH1325) with seed harvest on 16 half-sib families.

Literature

Nay M., Tanner P., Grieder C., 2022. Bastardraigras vereint die besten Eigenschaften von Englischem und Italienischem Raigras. Agrarforschung Schweiz 13(1), 151-158

Frick R., Suter D., Dereuder E., Hirschi H.-U., 2021. Sortenprüfung für Futterpflanzen: zwei Neuerungen beim Bastard-Raigras. Agrarforschung Schweiz 12(1), 151-156

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2022

Further registered in the following countries

Agronomic characteristics

Results of the official Swiss variety trials 2018-2020 (Frick et al. 2021) (Typ "IR/ER")

	GALAXIAS	Mean
Yield	4.3	4.9
General impression	3.7	3.7
Juvenile growth	2.7	2.7
Competing ability	5.0	5.0
Persistence	4.6	4.8
Resistance to winter conditions	3.7	3.9
Resistance to leafspots and rust	2.8	2.5
Resistance to bacterial wilt	2.3	3.6
Digestibility of the organic matter	5.7	4.9
Index (weighted average of all notes)	3.9	4.1

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), 2019-2021

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
5	Leaf: Intensity of green colour	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	very broad	9
17	Plant: length of longest stem including inflorescence	medium to long	6