



ARAIAS

Perennial Ryegrass (2n)

Lolium perenne L.

Diploid, early maturing and high yielding

Things to know

As can be seen from its name, Arais belongs to the "AR"-type, i.e. very early maturing group of perennial ryegrass. Heading date is 1 day later than for the already recommended variety Arara. In the official variety examination 2014-2016, Arais convinced with the highest yield as well as the best digestibility in the entire early diploid group. As a diploid variety with a high shoot density, Arais is particularly interesting for pastures.

Descent

Base material

Selection in early maturing, diploid breeding material from Agroscope

MO seed

Row trial 2007 (LP0725) with seed harvest on 10 half-sib families from a polycross with 12 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 2018

Further registered in the following countries

DEU

Agronomic characteristics

Results of the official Swiss variety trials 2020-2022 (Suter et al. 2023) (2n, früh-mittelfrüh)

	ARAIAS	Mean
Yield	5.8	6.5
General impression	3.7	3.7
Juvenile growth	3.6	3.5
Competing ability	4.1	4.2
Persistence	3.4	3.3
Resistance to winter conditions	3.5	3.4
Resistance to leafspots and rust	5.4	5.1
Digestibility of the organic matter	5.3	6.2
Persistence at higher altitudes	3.8	3.6
Index (weighted average of all notes)	4.2	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 (DEU), 2015-2017

UPOV No	Characteristics	State of expression	Note
1	Ploidy	diploid	2
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)	medium	5
11	Time of inflorescence emergence (after vernalization)	very early	1
14	Flag leaf: length	medium	5
15	Flag leaf: width	medium	5