

Things to know

Koala is the first Swiss bred diploid variety in the group of late maturing varieties. Heading date is about 10 days later than in AberDart, the only diploid cultivar that has so far been approved in Switzerland in the late maturing group. In the official variety examination from 2014 to 2016, Koala impressed by a fast youth development and a good suitability for cultivation at higher altitudes. As a diploid variety with a high shoot density, Koala is particularly suitable for pasture mixtures containing late-ripening perennial ryegrass such as SM480.

Descent

Base material

Selection in late maturing, diploid breeding material from Agroscope

M0 seed

Row trial 2007 (LP0765) with seed harvest on 12 half-sib families from a polycross with 15 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

Fact Sheet

KOALA

Perennial Ryegrass (2n)

Lolium perenne L.

Diploid, late maturing, fast juvenile development

National listing

Situation in Switzerland On the Swiss List of Recommended Varieties of Forage Plants since 2018

Further registered in the following countries

Agronomic caracteristics

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

	KOALA	Mean
Yield	5.8	5.8
General impression	4.5	4.5
Juvenile growth	3.7	3.7
Competing ability	4.7	4.7
Persistence	4.6	4.6
Resistance to winter conditions	4.2	4.2
Resistance to leafspots an rust	5.1	5.1
Digestibility of the organic matter	6.7	6.7
Persistence at higher altitudes	4.7	4.7
Index (weighted average of all notes)	4.8	4.8

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 gidelines

UPOV NoCharacteristicsState of expressionNote1Ploidydiploid27Plant: vegetative growth habit (without vernalization)intermediate510Plant: tendency to form inflorescences (without vernalization)absent or very weak111Time of inflorescence emergence (after vernalization)medium to late614Flag leaf: lengthmedium to long615Flag leaf: widthmedium to wide617Plant: length of longest stem including inflorescencemedium5	DOS test conducted at Schammolst, BSA (DEO), 2015-2017				
1Ploidydiploid27Plant: vegetative growth habit (without vernalization)intermediate510Plant: tendency to form inflorescences (without vernalization)absent or very weak medium to late111Time of inflorescence emergence (after vernalization)medium to late614Flag leaf: lengthmedium to long615Flag leaf: widthmedium to wide617Plant: length of longest stem including inflorescencemedium5	UPOV No	Characteristics	State of expression	Note	
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15 Flag leaf: width medium to wide 6 17 Plant: length of longest stem including inflorescence medium 5	14	Flag leaf: length	medium to long	6	
17 Plant: length of longest stem including medium 5 inflorescence	15	Flag leaf: width	medium to wide	6	
	17	Plant: length of longest stem including inflorescence	medium	5	

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