



Fact Sheet

KOALA

Perennial Ryegrass (2n)

Lolium perenne L.

Diploid, late maturing, fast juvenile development

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., Hirschi H.-U., Frick R., 2017. Englisches Raigras: neue Sorten für den Schweizer Kunstfutterbau empfohlen. Agrarforschung Schweiz 8(7), 292-299

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since <von>

Situation abroad

Agronomic characteristics

Results of the official Swiss variety trials 2014-2016 (Suter et al. 2017) (2n, spät)

	KOALA	Mean
Yield	5.4	5.3
General impression	4.1	4.2
Juvenile growth	2.8	3.7
Competing ability	6.4	6.1
Persistence	4.6	4.7
Resistance to winter conditions	5.7	4.9
Resistance to leafspots an rust	4.6	4.5
Digestibility of the organic matter	5.5	4.7
Persistence at higher altitudes	3.8	4.1
Index (weighted average of all notes)	4.9	4.7

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 (DE), 2015-2017

UPOV No	Characteristics	State of expression	Note
1	Ploidy	diploid	2
7	Plant: vegetative growth habit (without vernalization)	intermediate	5
10	Plant: tendency to form inflorescences (without vernalization)	absent or very weak	1
11	Time of inflorescence emergence (after vernalization)	medium to late	6
14	Flag leaf: length	medium to long	6
15	Flag leaf: width	medium to wide	6
17	Plant: length of longest stem including inflorescence	medium	5

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