



# 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

### MO 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

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2018

Further registered in the following countries

### Agronomic characteristics

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 and 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 guidelines

DUS test conducted at Scharnhorst, BSA (DEU), 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    |