



# PALIO

## Hybrid Ryegrass (4n)

*Lolium x hybridum Hausskn.*

Perennial type, dense swards and high persistence

### Things to know

Originating from a cross between tetraploid perennial-ryegrass and tetraploid hybrid-ryegrass, Palio corresponds to a typical perennial-ryegrass type of hybrid-ryegrass. It shows an early maturity with heading occurring 3 days earlier than in the variety Marmota. Palio forms dense stands rich in leaves with nearly no tillering during summer growths. For production of seeds, it is therefore recommended to harvest seeds in the first growth. The perennial-ryegrass type character is also reflected in the excellent persistence and its significantly higher forage yield when compared to pure perennial-ryegrass varieties, imposing its use in grass – white clover mixtures.

### Descent

#### Base material

Crossings within tetraploid breeding material between perennial and Hybrid ryegrass.

### M0 seed

Progenies of a polycross in 2003 (G0366) with 22 clones.

### Literature

Frick R., Suter D., Dereuder E., Hirschi H.-U., 2021.

Sortenprüfung für Futterpflanzen: zwei Neuerungen beim Bastard-Raigras. Agrarforschung Schweiz 12(1), 151-156

Suter D., Frick R., Hirschi H.-U., Aebi P., 2015. Bastard-Raigras: 26 Sorten im Feld geprüft. Agrarforschung Schweiz 6(9), 392-399

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2016

#### Further registered in the following countries

DEU, FRA

### Agronomic characteristics

Results of the official Swiss variety trials 2018-2020

(Frick et al. 2021) (Typ "ER")

	PALIO	Mean
Yield	5.4	5.0
General impression	3.1	3.2
Juvenile growth	3.0	2.9
Competing ability	4.9	4.6
Persistence	3.4	3.5
Resistance to winter conditions	3.1	3.3
Resistance to leafspots and rust	2.9	2.7
Resistance to bacterial wilt	3.9	3.6
Digestibility of the organic matter	3.0	3.7
Index (weighted average of all notes)	3.8	3.7

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 Schamhorst, BSA (DEU), 2013-2015

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
5	Leaf: Intensity of green colour	medium to dark	6
10	Plant: tendency to form inflorescences (without vernalization)	very weak to weak	2
11	Time of inflorescence emergence (after vernalization)	very early	1
14	Flag leaf: length	medium to long	6
15	Flag leaf: width	broad to very broad	8
17	Plant: length of longest stem including inflorescence	long	7

