



# BOBAK

## Hybrid Ryegrass (4n)

*Lolium x hybridum* Hausskn.

Intermediate type, high yielding and disease resistant

### Things to know

The variety Bobak originates from a cross between diploid Italian-ryegrass from the type of the variety Oryx with early Swiss breeding material of diploid perennial-ryegrass, of which the progenies were treated with colchicine for transformation to the tetraploid state. Bobak is of an intermediate type of hybrid-ryegrass with high forage yields, excellent resistances against leaf diseases and bacterial wilt, as well as a very good digestibility of organic matter (DOM) that is much higher than for Italian types of hybrid-ryegrass. For production of seeds, it is recommended to harvest seeds in the first growth.

### Descent

#### Base material

F1 breeding material based on crosses between Italian ryegrass and Perennial Ryegrass treated with colchicine.

### M0 seed

Polycross 2003 (PC0373) with seed harvest on 11 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

FRA

### Agronomic characteristics

Results of the official Swiss variety trials 2018-2020 (Frick et al. 2021) (Typ "IR/ER")

	BOBAK	Mean
Yield	4.6	4.9
General impression	3.3	3.7
Juvenile growth	2.9	2.7
Competing ability	4.7	5.0
Persistence	4.4	4.8
Resistance to winter conditions	3.1	3.9
Resistance to leafspots and rust	2.3	2.5
Resistance to bacterial wilt	3.7	3.6
Digestibility of the organic matter	3.0	4.9
Index (weighted average of all notes)	3.7	4.1

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 Scharmhorst, 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 to early	2
14	Flag leaf: length	medium to long	6
15	Flag leaf: width	very broad	9
17	Plant: length of longest stem including inflorescence	long	7