



BOBAK

Hybrid Ryegrass (4n)

Lolium x hybridum Hausskn.

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

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

Situation abroad

Agronomic characteristics

Results of the official Swiss variety trials 2012-2014 (Suter et al. 2015)

	BOBAK	Mean
Yield	3.1	4.7
General impression	3.1	3.3
Juvenile growth	3.1	2.7
Competing ability	3.5	3.8
Persistence	3.5	3.7
Resistance to winter conditions	3.7	4.4
Resistance to leafspots and rust	2.3	3.1
Resistance to bacterial wilt	1.2	1.7
Digestibility of the organic matter	3.7	5.2
Index (weighted average of all notes)	3.0	3.6

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), 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

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