



Fact Sheet

HITOBIA

Kentucky Bluegrass (2n)

Poa pratensis L.

Sexually reproducing bluegrass of 2nd generation

Things to know

In contrast to the classic Kentucky bluegrass varieties with asexual (apomictic) seed formation, Hitobia, like the two older Agroscope varieties Sepia and Selista, exhibits sexual seed formation. The variety was selected for high seed yield and set new standards in biomass yield and leaf health when it was approved in the official Swiss variety trial.

Descent

Base material

Selection in breeding material Agroscope with sexual reproduction and high seed yield.

M0 seed

Row trial 2010 (PP1005) with seed harvest of 16 half-sib families.

Literature

Suter D., Frick R., Hirschi H.-U., 2020. Sortenprüfung: deutliche Verbesserungen beim Wiesenrispengras. Agrarforschung Schweiz 11(1), 110-114

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2021

Further registered in the following countries

Agronomic characteristics

Results of the official Swiss variety trials 2017-2019 (Suter et al. 2020)

	HITOBIA	Mean
Yield	2.5	4.5
General impression	3.1	3.4
Juvenile growth	4.7	5.8
Competing ability	4.3	5.1
Persistence	3.1	3.2
Resistance to winter conditions	3.4	4.3
Resistance to leafspots and rust	2.0	2.8
Digestibility of the organic matter	5.3	5.1
Persistence at higher altitudes	3.8	4.4
Index (weighted average of all notes)	3.4	4.1

Scoring scale 1 = very good; 5 = medium; 9 = very poor
 Yield Mean of 5 experimental sites over 2 years
 Mean Mean value of standard varieties

Description according to UPOV guidelines

DUS test conducted at Scharnhorst, BSA (DEU), 2018-2020

UPOV No	Characteristics	State of expression	Note
1	Leaf sheath: anthocyanin coloration	absent or very weak	1
3	Leaf: width (in autumn of year of sowing)	medium to wide	6
5	Leaf: color in the year of sowing	light green to medium green	4
8	Time of inflorescence emergence (after vernalization)	early	3
9	Flag leaf: length	long	7
10	Flag leaf: width	narrow to medium	4
12	Inflorescence: shape of rachis	bent	2
24	Plant: length of longest stem including inflorescence	long	7

Version: 13.12.2022

Publisher: Agroscope, Reckenholzstrasse 191, 8046 Zürich
 In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley
 Authors: Christoph Grieder and Peter Tanner, Agroscope
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