



Fact Sheet

# LOTELLA

## Lotus (4n)

*Lotus corniculatus L.*

The first Swiss bred birdsfoot trefoil variety

### Things to know

Lotella is based on the genetics of adapted ecotypes collected from Swiss natural meadows. With balanced performance across all traits, it performed best among all new candidates when it was approved in the official Swiss variety trial from 2019 to 2021. Lotella now joins the existing variety Lotar on the list of recommended varieties for Switzerland and also holds an approval for Germany.

### Descent

#### Base material

Ecotypes collected in 2002 and 2003 at various locations in Switzerland.

### M0 seed

Row trial 2011 (LC1105) with seed harvest on 20 half-sib families.

### Literature

Suter D., Frick R., Hirschi H.-U., 2022. Zwei neue Sorten von Schotenklee empfohlen. Agrarforschung Schweiz 13(1), 211-216

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2022

#### Further registered in the following countries

DEU

### Agronomic characteristics

Results of the official Swiss variety trials 2019-2021 (Suter et al. 2022)

	LOTELLA	Mean
Yield	4.0	2.5
General impression	3.8	3.2
Juvenile growth	2.5	2.7
Competing ability	4.5	4.4
Persistence	4.7	4.4
Resistance to winter conditions	3.2	3.0
Resistance to leafspots and rust	3.0	3.5
Persistence at higher altitudes	4.0	3.7
Index (weighted average of all notes)	3.8	3.5

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), 2017-2019

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
3	Plant: natural height in the year of sowing	medium	5
4	Leaf: Intensity of green colour	light to medium	4
8	Time of flowering	medium to late	6
11	Leaf: length of medial leaflet	medium	5
12	Leaf: width of medial leaflet	medium	5

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