



Fact Sheet

MERULA

Red Clover (2n)

Trifolium pratense L.

Things to know

MERULA is an advanced development of the established cultivar RÜTTINOVA. During the selection high priority was set on resistance to powdery mildew. MERULA is the highest yielding diploid "Mattenklee" cultivar. Especially in the second harvest year MERULA attracts attention by its enduring growth capacity and is little harmed by anthracnose.

Descent

Base material

Breed selection of the material of the variety RÜTTINOVA. High priority was set on a good resistance to powdery mildew and it was artificially infected with stem nematodes.

MO seed

Row trial 1993 (TP9305) with seed harvest from 25 families.

Literature

Suter D., Hirschi H.-U., Frick R., 2019. Rotklee unter der Lupe: Ergebnisse der Sortenprüfung 2016-2018. Agrarforschung Schweiz 10(11), 454-461
Suter D., Frick R., Hirschi H.-U., Aebi P., 2014. Sortenprüfung mit Rotklee: deutliche Fortschritte. Agrarforschung Schweiz 5(7), 272-279

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2002

Further registered in the following countries

DEU, AUT, FRA, GBR

Agronomic characteristics

Results of the official Swiss variety trials 2016-2018
(Suter et al. 2019) (Mattenklee diploid)

	MERULA	Mean
Yield	5.0	4.2
General impression	3.0	3.1
Juvenile growth	3.6	3.5
Competing ability	4.6	4.4
Persistence	4.8	4.7
Resistance to winter conditions	3.5	3.5
Resistance to Anthracnose	2.6	2.6
Resistance to leafspots an rust	2.5	2.6
Index (weighted average of all notes)	3.8	3.6

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 Eder am Holz, BSA (DEU), 2000-2003

UPOV No	Characteristics	State of expression	Note
2	Ploidy	diploid	2
5	Plant: natural height in the year of sowing	medium to tall	6
6	Leaf: color in the year of sowing	medium green to dark green	6
9	Plant: natural height in spring	medium to tall	6
10	Leaf: intensity of green color	dark	7
11	Time of flowering	early	3
12	Stem: length	short to medium	4
14	Stem: number of internodes	low	3
16	Leaf: shape of medial leaflet	elongated	1

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