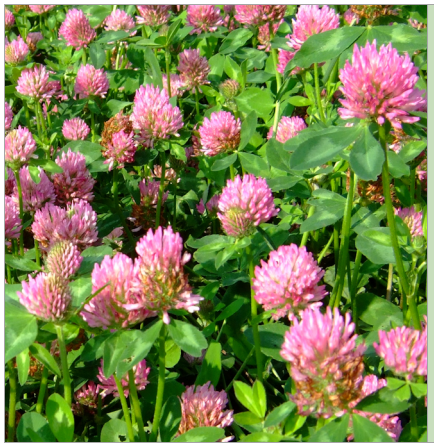

Fact Sheet

SEMPERINA

Red Clover (2n)

Trifolium pratense L.

The high yielding variety

Things to know

The diploid variety Semperina was formed by progenies of a cross between Swiss Mattenklee and diverse foreign breeding materials that were selected for high seed yield. It combines high forage yields with an outstanding persistence and strong resistances against southern anthracnose (Colletotrichum trifolii), sclerotinia and diverse leaf diseases. This combination guarantees dense stands and highest yields over three years of cultivation.

Descent

Base material

Breeding material of Agroscope (Type Pavo, Merula a.o.) selected on high seed yield per single plant.

M0 seed

Row trial 2004 (TP0435) with seed harvest on 37 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

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2016

Further registered in the following countries

DEU,AUT

Agronomic caracteristics

Results of the official Swiss variety trials 2016-2018

(Suter et al. 2019) (Mattenklee diploid)

	SEMPERINA	Mean
Yield	3.0	4.2
General impression	3.0	3.1
Juvenile growth	3.3	3.5
Competing ability	4.3	4.4
Persistence	4.2	4.7
Resistance to winter conditions	3.4	3.5
Resistance to Anthracnose	2.2	2.6
Resistance to leafspots an rust	2.1	2.6
Index (weighted average of all notes)	3.2	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 gidelines

DUS test conducted at Scharnhorst, BSA (DEU), 2010-2013

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

Agroscope good food, healthy environment

Version: 13.07.2021
Publisher: Agroscope, Reckenholzstrasse 191, 8046 Zürich
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