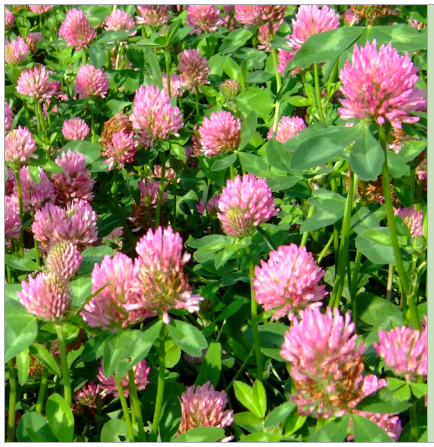

Fact Sheet

COLUMBA

Red Clover (2n)

Trifolium pratense L.

The best from the varieties Corvus and Merula

Things to know

At the time of its admission, Columba was the best performing diploid variety in the Mattenklee group, keeping its high yield potential until the third year of cultivation. The outstanding persistence is not least a consequence of its strong resistance against southern anthracnose (Colletotrichum trifolii). Columba is based on a cross between the two varieties Corvus and Merula. As a typical characteristic of the variety, Columba shows a high proportion (one fourth) of plants without white marks on leaves, a trait commonly typical for red clover.

Descent

Base material

Selection within breeding material of Agroscope tracing back on paircrosses between the varieties Corvus and Merula.

M0 seed

Row trial 2004 (TP0425) with seed harvest on 9 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 2016

Further registered in the following countries

DEU

Agronomic caracteristics

Results of the official Swiss variety trials 2016-2018

(Suter et al. 2019) (Mattenklee diploid)

	COLUMBA	Mean
Yield	4.1	4.2
General impression	3.0	3.1
Juvenile growth	3.6	3.5
Competing ability	4.5	4.4
Persistence	4.1	4.7
Resistance to winter conditions	3.5	3.5
Resistance to Anthracnose	2.2	2.6
Resistance to leafspots an rust	2.2	2.6
Index (weighted average of all notes)	3.4	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), 2012-2015

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 to tall	6
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	medium	5

Agroscope good food, healthy environment

Version: 13.07.2021
Publisher: Agroscope, Reckenholzstrasse 191, 8046 Zürich
In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley

Authors: Christoph Grieder and Peter Tanner, Agroscope

www.agroscope.ch www.futterpflanzen.ch

DSP

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER
Agroscope