



Fact Sheet

# COLUMBA

## Red Clover (2n)

*Trifolium pratense* L.

### Things to know

At the time of its admission, Columba was the best performing diploid variety in the Mattenkleee 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., 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

#### Situation abroad

### Agronomic characteristics

Results of the official Swiss variety trials 2011-2013 (Suter et al. 2014) ("Mattenkleee 2n")

	COLUMBA	Mean
Yield	2.3	3.6
Juvenile growth	3.2	3.3
General impression	2.5	2.8
Competing ability	4.7	4.9
Persistence	2.7	3.9
Resistance to winter conditions	4.3	4.5
Resistance to Anthracnose	1.1	1.6
Resistance to leafspots an rust	3.0	2.7
Index (weighted average of all notes)	2.8	3.4

Scoring scale 1 = very good; 5 = medium; 9 = very poor  
 Yield Mean of 3 experimental sites over 2 years  
 Mean Mean value of standard varieties

### Description according to UPOV guidelines

DUS test conducted at Scharnhorst, BSA (DE), 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

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