



## Fact Sheet

# CARBO

## Red Clover (4n)

*Trifolium pratense L.*

### Things to know

In the variety Carbo, the excellent agronomic characteristics of the varieties Larus and Corvus are unified. It traces back to crossings between plants of Larus and tetraploid breeding material of Corvus which had been treated with colchicine. In part, Carbo outyields standard varieties. It features a downright strong resistance against leaf spots, powdery mildew and anthracnose. These features, together with a good winter hardiness form the basis of an excellent persistence. Complemented with its strong competitive ability, Carbo builds crops free of weed and of high quality during the whole duration of its use.

### Descent

#### Base material

Selection on families and single plants in breeding material of ART Reckenholz, tracing back to crossings between plants of the variety Larus and breeding material of the variety Corvus, treated with colchicine.

#### M0 seed

Row trial 1999 (TP9955) with seed harvest on 60 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 from 2009 to 2020

#### Further registered in the following countries

AUT, DEU

### Agronomic characteristics

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

	CARBO	Mean
Yield	2.8	3.0
General impression	2.4	2.7
Juvenile growth	3.0	2.2
Competing ability	4.1	4.0
Persistence	3.7	4.5
Resistance to winter conditions	3.3	3.4
Resistance to Anthracnose	2.3	2.7
Resistance to leafspots a rust	3.4	2.9
Index (weighted average of all notes)	3.0	3.2

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 Scharnhorst, BSA (DEU), 2007-2009

UPOV No	Characteristics	State of expression	Note
2	Ploidy	tetraploid	4
5	Plant: natural height in the year of sowing	medium to tall	6
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 to medium	4
12	Stem: length	medium	5
14	Stem: number of internodes	low to medium	4
16	Leaf: shape of medial leaflet	ovate	2
17	Leaf: length of medial leaflet	medium to long	6

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