



# 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.

### MO seed

Row trial 1999 (TP9955) with seed harvest on 60 families

### Literature

Frick R., Jeangros B., Demenga M., Suter D., Hirschi H.-U., 2008. Essais de variétés de trèfle violet. Revue suisse Agric. 40(6), 245-248

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2009

#### Situation abroad

AT

### Agronomic characteristics

Results of the official Swiss variety trials 2005-2007 (Frick et al. 2008) ("Mattenklee" 4n)

	CARBO	Mean
Yield	2.5	3.4
Juvenile growth	2.3	2.7
General impression	2.4	3.2
Competing ability	3.6	4.0
Persistence	2.7	4.1
Resistance to winter conditions	3.0	3.3
Resistance to Stemphylium Leafspots	1.9	2.3
Resistance to black blotch and powdery mildew	1.2	2.1
Resistance to Anthracnose	1.2	1.8
Index (weighted average of all notes)	2.3	3.1

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 (DE), 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

