

Fact Sheet

MONACO

Red Clover (2n)

Trifolium pratense L.

Things to know

Monaco is the new variety of short leaved red clover which emerged from a continued selection of the breeding material of the oldest Swiss variety of red clover namely Mt. Calme. Monaco's yield and resistance against anthracnose are clearly better in comparison with Mt. Calme. After the second hibernation, the poductivity decreases fast. Therefore, the variety Monaco is well suited for mixtures of grass and white clover in which red clover should make room for white clover after the second hibernation.

Descent

Base material

Recurrent selection in breeding material of RAC Changins, type Mt. Calme. Selection of single plants and their progenies at the station Zürich-Reckenholz and under natural stress of Colletotrichum trifolii.

M0 seed

Row trial 2003 (TP0305) with seed harvest on 51 single plant progenies.

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 2012

Situation abroad

_

Agronomic caracteristics

Results of the official Swiss variety trials 2005-2007

(Ackerklee 2n) (Frick et al. 2008)

(renember 21) (renember 2000)	MONACO	Mean
Yield	5.7	6.5
Juvenile growth	3.3	3.6
General impression	4.8	4.9
Competing ability	4.9	5.2
Persistence	6.5	6.9
Resistance to winter conditions	4.1	4.5
Resistance to Stemphylium Leafspots	2.8	3.0
Resistance to black blotch and powdery mildew	3.4	2.9
Resistance to Anthracnose	2.5	2.7
Index (weighted average of all notes)	4.3	4.5

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 (DE), 2009-2011

UPOV No Characteristics State of expression Note 2 Ploidy diploid 2 5 Plant: natural height in the year of sowing medium 5 8 Plant: tendency to flower in the year of sowing very strong 9 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 19 Leaf: intensity of white marks medium 5	DOO ICSI C	conducted at ochamnorst, box (bb), 2005 20	011	
5 Plant: natural height in the year of sowing medium 5 8 Plant: tendency to flower in the year of sowing 9 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	UPOV No	Characteristics	State of expression	Note
8 Plant: tendency to flower in the year of sowing 9 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	2	Ploidy	diploid	2
sowing 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	5	Plant: natural height in the year of sowing	medium	5
10 Leaf: intensity of green color medium 5 11 Time of flowering early 3 12 Stem: length short to medium 4	8		very strong	9
11 Time of flowering early 3 12 Stem: length short to medium 4	9	Plant: natural height in spring	medium to tall	6
12 Stem: length short to medium 4	10	Leaf: intensity of green color	medium	5
3	11	Time of flowering	early	3
19 Leaf: intensity of white marks medium 5	12	Stem: length	short to medium	4
	19	Leaf: intensity of white marks	medium	5

Version: 06.06.2012

Publisher: Agroscope Reckenholz-Tänikon Research Station ART,

Reckenholzstrasse 191, 8046 Zürich

In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley Editorial Team: Beat Boller, Peter Tanner, Lucienne Adam, ART

Copyright: © 2012, Art





Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs FDEA Agroscope Reckenholz-Tänikon Research Station ART