

FREGATA

Red Clover (4n)

Trifolium pratense L.

Things to know

FREGATA is the first tetraploid variety of red clover which was selected on a low content of the oestrogen acting substance formononetin. It leads back on a colchicine treatment of the breeding material of the variety FORMICA.

Like FORMICA, FREGATA has a content of formononetin which is only half as high as those of comparable varieties. The resistance of FREGATA against antracnose is clearly better than the one of ASTUR and LARUS. Therefore, it excels in a very good persistence.

Descent

Base material

Colchicine treatment of breeding material of the variety Formica.

M0 seed

Row trial 1999 (TP9945) with seed harvest from 53 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 abroad

Situation in Switzerland On the Swiss List of Recommended Varieties of Forage Plants since 2008

Agronomic caracteristics

Results of the official Swiss variety trials 2005-2007

('Mattenklee 4n) (Frick et al. 2008)

, , , , , , , , , , , , , , , , , , , ,	FREGATA	Mean
Yield	2.2	3.4
Juvenile growth	2.2	2.7
General impression	2.5	3.2
Competing ability	3.5	4.0
Persistence	2.9	4.1
Resistance to winter conditions	3.4	3.3
Resistance to Stemphylium Leafspots	1.8	2.3
Resistance to black blotch and powdery mildew	1.3	2.1
Resistance to Anthracnose	1.5	1.8
Index (weighted average of all notes)	2.4	3.1

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

Description according to UPOV gidelines

DUS test conducted at Scharnhorst, BSA (DE), 2005-2006

oidy ant: natural height in the year of sowing af: color in the year of sowing	State of expression tetraploid medium to tall medium green to dark green	Note 4 6 6
art: natural height in the year of sowing art: color in the year of sowing	medium to tall medium green to dark	6
af: color in the year of sowing	medium green to dark	
,	•	6
	3	
ınt: natural height in spring	tall	7
af: intensity of green color	medium	5
ne of flowering	very early to early	2
em: length	short to medium	4
em: number of internodes	low to medium	4
af: shape of medial leaflet	ovate	2
2	f: intensity of green color e of flowering m: length m: number of internodes	f: intensity of green color medium e of flowering very early to early m: length short to medium m: number of internodes low to medium

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