Fact Sheet

FORELIA

Red Clover (4n)

Trifolium pratense L.

Things to know

Forelia is an advanced development of the known tetraploid variety Fregata, both being based on breeding material of the diploid variety Formica. As the diploid source material, Forelia shows a low content in Formononetin, an estrogen mimicking compound potentially impairing fecundity in ruminants. Selection for resistances against southern anthracnose (Colletotrichum trifolii), sclerotinia (Sclerotinia trifoliorum) and diverse leaf diseases lead to strongly competing plant stands over three years of cultivation.

Descent

Base material

Breeding material of the variety Fregata with selection for resistance against southern anthracnose, stem nematodes and sclerotinia.

M0 seed

Row trial 2004 (TP0486) under organic farming conditions with seed harvest on 21 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 caracteristics

Results of the official Swiss variety trials 2011-2013 (Suter et al. 2014) ("Mattenklee 4n")

	FORELIA	Mean
Yield	2.3	2.7
Juvenile growth	2.5	2.6
General impression	2.3	2.5
Competing ability	4.2	4.6
Persistence	3.0	3.8
Resistance to winter conditions	4.5	4.7
Resistance to Anthracnose	1.5	1.8
Resistance to leafspots an rust	2.3	2.1
Index (weighted average of all notes)	2.9	3.1

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 gidelines

DUS test conducted at Scharnhorst, BSA (DE), 2013-2016

UPOV No	Characteristics	State of expression	Note
2	Ploidy	tetraploid	4
5	Plant: natural height in the year of sowing	medium	5
6	Leaf: color in the year of sowing	medium green to dark green	6
9	Plant: natural height in spring	medium to tall	6
10	Leaf: intensity of green color	medium to dark	6
11	Time of flowering	early	3
12	Stem: length	medium	5
19	Leaf: intensity of white marks	medium to strong	6

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