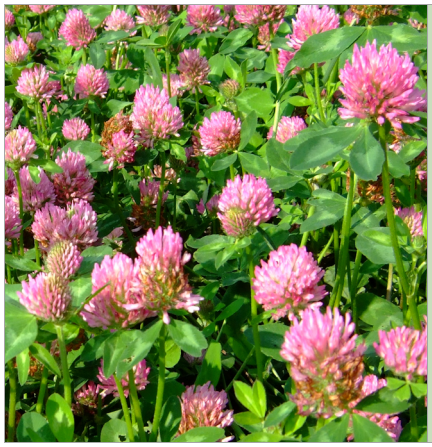

Fact Sheet

# PAVONA

## Red Clover (4n)

*Trifolium pratense L.*

High yielding and disease resistant

### Things to know

The tetraploid variety Pavona is based on a colchizine treatment of plant material from the variety Pavo, of which the outstanding variety characteristics can now also be used in the tetraploid form. Pavona showed by far the best performance in the tetraploid group during registration trials for Switzerland, combining high yield potential with best resistances against leaf diseases and southern anthracnose (Colletotrichum trifolii). Not least, these resistances against diseases mediate a high performance of three full years of cultivation.

### Descent

Base material

Selection in tetraploid breeding material of Agroscope produced by colchicine treatment of the variety Pavo.

M0 seed

Row trial 2006 (TP0645) with seed harvest on 27 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 since 2016

Further registered in the following countries

AUT

### Agronomic caracteristics

Results of the official Swiss variety trials 2016-2018

(Suter et al. 2019) (Mattenklee tetraploid)

| | PAVONA | Mean |
|---|---|---|
| Yield | 2.4 | 3.0 |
| General impression | 2.3 | 2.7 |
| Juvenile growth | 1.8 | 2.2 |
| Competing ability | 3.9 | 4.0 |
| Persistence | 3.6 | 4.5 |
| Resistance to winter conditions | 3.3 | 3.4 |
| Resistance to Anthracnose | 2.0 | 2.7 |
| Resistance to leafspots an rust | 2.2 | 2.9 |
| Index (weighted average of all notes) | 2.7 | 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 gidelines

DUS test conducted at Scharnhorst, BSA (DEU), 2012-2015

| 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 | 5 |
| 11 | Time of flowering | early | 3 |
| 12 | Stem: length | medium | 5 |
| 14 | Stem: number of internodes | low to medium | 4 |
| 16 | Leaf: shape of medial leaflet | ovate | 2 |

Agroscope good food, healthy environment


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