



## Fact Sheet

# OSMIA

## Red Clover (4n)

*Trifolium pratense* L.

Top resistance against Southern Anthracnose

### Things to know

The variety Osmia is derived from the two diploid varieties Pavo and Merula. In the official Swiss variety trial 2016-2018, it was newly approved with the top score in the tetraploid "Mattenklee" range. As a modern variety, it has greatly increased resistance against Southern Anthracnose (*Colletotrichum trifolii*). This allows it to deliver high yields over several years.

### Descent

#### Base material

Crosses of colchicine-treated material of the diploid varieties Merula and Pavo.

### M0 seed

Row trial 2009 (TP0925) with seed harvest from 23 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

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2020

#### Situation abroad

### Agronomic characteristics

Results of the official Swiss variety trials 2016-2018 (Suter et al. 2019) (Mattenklee tetraploid)

	OSMIA	Mean
Yield	2.1	3.0
General impression	2.5	2.7
Juvenile growth	2.2	2.2
Competing ability	3.3	4.0
Persistence	3.2	4.5
Resistance to winter conditions	3.3	3.4
Resistance to Anthracnose	1.6	2.7
Resistance to leafspots an rust	2.3	2.9
Index (weighted average of all notes)	2.6	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 guidelines

DUS test conducted at Schamhorst, BSA (DE), 2017-2019

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 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

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