



## Fact Sheet

# OSTREA

## Red Clover (4n)

*Trifolium pratense* L.

Balanced performance in all features

### Things to know

Ostrea is a tetraploid "Mattenklee" variety which has good persistence and yield performance due to high resistance against Southern Anthracnose (*Colletotrichum trifolii*). The performance is slightly inferior in all traits compared to its sister variety Osmia. For this reason, Ostrea was not included directly in the Swiss list of recommended varieties, but was placed on the list of replacement varieties for the time being.

### Descent

#### Base material

Crossings of Eastern European ecotypes with breeding material from Agroscope treated with colchicine.

### M0 seed

Row trial 2008 (TP0855) with seed harvest from 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

### National listing

#### Situation in Switzerland

Not on the List of Recommended Varieties of Forage Plants

#### Situation abroad

### Agronomic characteristics

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

	OSTREA	Mean
Yield	2.2	3.0
General impression	2.5	2.7
Juvenile growth	2.6	2.2
Competing ability	3.6	4.0
Persistence	3.5	4.5
Resistance to winter conditions	3.5	3.4
Resistance to Anthracnose	1.8	2.7
Resistance to leafspots an rust	3.0	2.9
Index (weighted average of all notes)	2.8	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 Scharnhorst, 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	5
9	Plant: natural height in spring	medium	5
10	Leaf: intensity of green color	light to medium	4
11	Time of flowering	early to medium	4
12	Stem: length	medium	5
14	Stem: number of internodes	low to medium	4
16	Leaf: shape of medial leaflet	ovate	2
17	Leaf: length of medial leaflet	long	7

Version: 19.01.2021

Publisher: Agroscope, Reckenholzstrasse 191, 8046 Zürich

In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley

Authors: Christoph Grieder and Peter Tanner, Agroscope

Copyright: © 2021, Agroscope

[www.agroscope.ch](http://www.agroscope.ch) [www.futterpflanzen.ch](http://www.futterpflanzen.ch)



Schweizerische Eidgenossenschaft  
 Confédération suisse  
 Confederazione Svizzera  
 Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,  
 Education and Research EAER

**Agroscope**