



Fact Sheet

FIONA

White Clover (4n)

Trifolium repens L.

Things to know

FIONA is a cultivar with very big leaves and with a small part of plants producing hydrocyanic acid. Herein it differs distinctively from BOMBUS. FIONA excels in a very good winter hardiness and in a good persistence at higher altitudes. This variety leads back on the same breeding material as APIS, namely on Swiss ecotypes from average sites.

Descent

Base material

Crossings between Swiss ecotypes similar to Apis. Selected on a low part of plants producing hydrocyanic acid.

M0 seed

Row seeding in 2001 (TR0105) with seed harvest of 37 families.

Literature

Suter D.,Frick R.,Hirschi H.-U.,Raymond B., 2025. Weissklee und Wiesenrispengras: Vier neue Sorten empfohlen. Agrarforschung Schweiz 16(1), 225-232

Suter D.,Frick R.,Hirschi H.-U., 2020. Zwei neue Weisskleearten empfohlen. Agrarforschung Schweiz 11(1), 154-161

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2008

Further registered in the following countries

AUT

Agronomic characteristics

Results of the official Swiss variety trials 2022-2024 (Suter et al. 2025) (grossblättrige Sorten)

| | FIONA | Mean |
|---------------------------------------|-------|------|
| Yield | 5.1 | 4.6 |
| General impression | 2.5 | 2.4 |
| Juvenile growth | 2.4 | 2.5 |
| Competing ability | 5.3 | 5.2 |
| Persistence | 3.2 | 3.0 |
| Resistance to winter conditions | 2.7 | 2.6 |
| Resistance to leafspots an rust | 4.0 | 3.9 |
| Persistence at higher altitudes | 2.6 | 2.2 |
| Index (weighted average of all notes) | 3.3 | 3.2 |

| | |
|---------------|---|
| Scoring scale | 1 = very good; 5 = medium; 9 = very poor |
| Yield | Mean of 6 experimental sites over 2 years |
| Mean | Mean value of standard varieties |

Description according to UPOV guidelines

DUS test conducted at Crossnacreevy, Belfast, AFBI (GBR), 2004-2007

| UPOV No | Characteristics | State of expression | Note |
|---------|--------------------------------|---------------------|------|
| 1 | Ploidy | tetraploid | 4 |
| 7 | Time of flowering | late | 7 |
| 14 | Leaf: length of medial leaflet | long | 7 |
| 15 | Leaf: width of medial leaflet | broad | 7 |
| 16 | Leaf: size of median leaflet | large | 7 |

Version: 12.02.2026

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: © 2026, Agroscope

www.agroscope.ch www.futterpflanzen.ch



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
Agroscope