



## 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., 2020. Zwei neue Weisskleearten empfohlen. Agrarforschung Schweiz 11(1), 154-161

Suter D., Hirschi H.-U., Frick R., Aebi P., 2013. Weissklee und Wiesenrispengras erneut geprüft. Agrarforschung Schweiz 4(10), 416-423

### 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 2017-2019 (Suter et al. 2020) (grossblättrige Sorten)

|                                       | FIONA | Mean |
|---------------------------------------|-------|------|
| Yield                                 | 4.2   | 3.6  |
| General impression                    | 2.4   | 2.4  |
| Juvenile growth                       | 2.5   | 2.5  |
| Competing ability                     | 4.0   | 4.1  |
| Persistence                           | 2.9   | 2.5  |
| Resistance to winter conditions       | 3.2   | 3.5  |
| Resistance to leafspots an rust       | 3.5   | 3.3  |
| Persistence at higher altitudes       | 3.1   | 3.2  |
| Index (weighted average of all notes) | 3.2   | 3.1  |

Scoring scale 1 = very good; 5 = medium; 9 = very poor  
 Yield Mean of 4 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    |

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