



# BELFINE

## Tall Fescue

*Festuca arundinacea* Schreber

### Things to know

BELFINE, a cultivar bred by the Federal Research Station RAC in Changins, is an advanced development of the fine leaved cultivar ELFINA. It has a flexible leaf such as the Dutch standard cultivar BARCEL of the type with finer leaves and is essentially higher yielding. In summertime, BELFINE regrows quickly and is conducive to a productive pasture crop during a drought. In pasture trials with cattle and cows the cross of Belfine were grazed the cleanest.

### Descent

#### Base material

Breeding material from the type ELFINA which traces back to populations from France, diverse other varieties as well as progenies from crossings Tall Fesque x Italian ryegrass.

### M0 seed

Polycross with 8 clones

### Literature

Mosimann E., Schmiad R., Thuillard C.P., Thomet P., 2010. Produktion von Weidebeef auf Kunstwiesen: Bedeutung des Rohrschwingels. Agrarforschung Schweiz 1(5), 194-201

Suter D., Frick R., Hirschi H.-U., Chapuis St., 2009. Rohrschwengel- und Timotheesorten geprüft. Agrarforschung 16(7), 250-255

### National listing

#### Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2003

#### Situation abroad

FR (Representative: Semences Vertes)

### Agronomic characteristics

Results of the official Swiss variety trials 2006-2008 (Suter et al. 2009)

	BELFINE	Mean
Yield	4.8	4.7
General impression	3.5	3.6
Juvenile growth	5.1	4.6
Competing ability	4.3	4.2
Persistence	3.3	3.6
Resistance to winter conditions	4.7	4.6
Resistance to leafspots and rust	3.7	3.5
Digestibility of the organic matter	5.0	5.1
Fineness of leaves	4.1	5.1
Index (weighted average of all notes)	4.3	4.4

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 La Minière, GEVES (FR), 1996-1998

UPOV No	Characteristics	State of expression	Note
1	Ploidy		6
2	Leaf: color in the year of sowing	light green	3
4	Leaf: intensity of green color	light to medium	4
5	Tendency to form inflorescences (without vernalization)	weak to medium	4
8	Time of inflorescence emergence (after vernalization)	medium to late	6
9	Flag leaf: length	medium to long	6
10	Flag leaf: width	medium	5
11	Stem: length of longest stem including inflorescence	medium	5

