



ALCES

Italian Ryegrass (4n)

Lolium multiflorum Lam.

Things to know

ALCES is a tetraploid cultivar with an excellent resistance to crown rust and a high potential yield. It has been derived from a colchicine treatment of the variety AXIS. The variety ALCES has its maximum productivity in the first main harvest year. Especially the summer growths are fruitful and provide due to the high resistance to diseases plenty of healthy fodder. ALCES is the chosen cultivar in areas in which crown rust is widespread.

Descent

Base material

Selection of material of AXIS, treated with colchicine. It traces back to 8 families from ecotypes 1964 and it was particularly selected on resistance to rust.

MO seed

Row trial 1995 (LI9596) with 40 clone progenies from a polycross with 43 clones.

Literature

Suter D., Hirschi H.-U., Chapuis St., 2010. 29 Neuzüchtungen von Italienischem Raigras geprüft. Agrarforschung Schweiz 1(7), 280-285

Boller B., Schubiger F.-X., Tanner P., 2005. Alces und Zebu, neue tetraploide Sorten von Italienischem Raigras. Agrarforschung 12(5), 202-207

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2000

Situation abroad

FR (Representative: Semences Vertes)
LU

Agronomic characteristics

Results of the official Swiss variety trials 2007-2009
(Suter et al, 2010)

	ALCES	Mean
Yield	5.3	4.5
General impression	4.0	3.6
Juvenile growth	3.2	2.9
Competing ability	4.5	4.7
Persistence	5.0	4.4
Resistance to winter conditions	4.9	4.5
Resistance to leafspots or rust	3.0	3.5
Resistance to bacterial wilt	1.7	2.0
Digestibility of the organic matter	5.0	5.3
Index (weighted average of all notes)	4.1	3.9

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 La Minière, GEVES (FR), 1998-2001

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
3	Tendency to form inflorescences (without vernalization)	weak to medium	4
5	Leaf: color in the year of sowing	medium green	5
8	Time of inflorescence emergence (after vernalization)	early to medium	4
10	Flag leaf: length	medium	5
11	Flag leaf: width	broad	7
12	Stem: length of longest stem including inflorescence	long	7

