



NUMIDA

Italian Ryegrass (4n)

Lolium multiflorum Lam.

Things to know

The tetraploid variety Numida, alike the variety Midas, has its origin in a colchicine treatment of diploid breeding material of the type from the variety Tigris, which, in turn, was developed from Swiss ecotype materials. The late maturing variety was selected via multiple generations in the breeding nursery for vigor and resistance against diseases, including artificial infection with bacterial wilt and crown rust. Numida shows a balanced performance for all important agronomical traits with a markedly good persistence and high forage yields during summer growths.

Descent

Base material

Breeding material tracing back to the variety Tigris treated with colchicine.

M0 seed

Row trial 2007 (LI0735) with 12 clone progenies from a polycross with 13 clones.

Literature

Suter D., Frick R., Hirschi H.-U., 2021. Schweizer Kunstfutterbau: Italienische Raigräser Maggyl und Oryttus setzen neue Massstäbe. Agrarforschung Schweiz 12(1), 128-136
Suter D., Frick R., Hirschi H.-U., Aebi P., 2015. Prüfung von Italienischem Raigras: Bewährungsprobe für 37 Sorten. Agrarforschung schweiz 6(6), 248-255

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2016

Further registered in the following countries

Agronomic characteristics

Results of the official Swiss variety trials 2018-2020
(Suter et al, 2021) (tetraploide Sorten)

	NUMIDA	Mean
Yield	4.4	4.2
General impression	4.1	4.1
Juvenile growth	2.5	2.6
Competing ability	3.8	3.9
Persistence	5.7	5.7
Resistance to winter conditions	2.9	2.8
Resistance to leafspots or rust	3.8	3.6
Resistance to bacterial wilt	2.1	2.4
Digestibility of the organic matter	5.0	4.5
Index (weighted average of all notes)	3.8	3.8

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 Scharmhorst, BSA (DEU), 2013-2015

UPOV No	Characteristics	State of expression	Note
1	Ploidy	tetraploid	4
5	Leaf: intensity of green color	medium	5
10	Plant: tendency to form inflorescences (without vernalization)	absent or very weak	1
11	Time of inflorescence emergence (after vernalization)	medium	5
14	Flag leaf: length	medium to long	6
15	Flag leaf: width	medium to wide	6
17	Plant: length of longest stem including inflorescence	long	7