



MIDAS

Italian Ryegrass (4n)

Lolium multiflorum Lam.

Things to know

Together with Morunga, Midas is the highest yielding recommended variety of Italian ryegrass. Also the resistance of Midas against leaf diseases and bacterial wilt is outstanding. Owing to its descent, Midas combines the strong growth in spring of Swiss ecotypes from marginal areas with the established resistance to diseases of the variety Axis, which is even reinforced in the tetraploid state.

Descent

Base material

Colchicine treatment of diploid breeding material of ART Reckenholz tracing back to crossings between the varieties Axis and Oryx.

M0 seed

Row trial 2004 (LI0455) with seed harvest on 15 clone progenies from a polycross with 23 components.

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 2010

Further registered in the following countries

Agronomic characteristics

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

	MIDAS	Mean
Yield	3.9	4.2
General impression	4.2	4.1
Juvenile growth	2.5	2.6
Competing ability	3.9	3.9
Persistence	5.7	5.7
Resistance to winter conditions	2.7	2.8
Resistance to leafspots or rust	3.7	3.6
Resistance to bacterial wilt	2.8	2.4
Digestibility of the organic matter	4.3	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 Scharnhorst, BSA (DEU), 2008-2010

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)	early to medium	4
14	Flag leaf: length	long	7
15	Flag leaf: width	medium to wide	6
17	Plant: length of longest stem including inflorescence	medium to long	6