Fact Sheet

ORYTTUS

Italian Ryegrass (4n)

Lolium multiflorum Lam.

High yield and persistence

Things to know

Oryttus is the latest offspring from proven tetraploid Agroscope genetics and is related to the varieties Zebra, Morunga, Midas and Numida. When it was approved in the official variety tests, the variety impressed with top values in yield, persistence and digestibility as well as healthy foliage.

National listing

Situation in Switzerland

On the Swiss List of Recommended Varieties of Forage Plants since 2021

Further registered in the following countries

DEU

Agronomic caracteristics

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

	ORYTTUS	Mean
Yield	3.4	4.2
General impression	3.8	4.1
Juvenile growth	2.7	2.6
Competing ability	3.7	3.9
Persistence	5.1	5.7
Resistance to winter conditions	2.8	2.8
Resistance to leafspots an rust	3.2	3.6
Resistance to bacterial wilt	2.8	2.4
Digestibility of the organic matter	3.3	4.5
Index (weighted average of all notes)	3.5	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

Descent

Base material

Selection in tetraploid breeding material from Agroscope with the same origin as the diploid variety Oryx.

M0 seed

Row trial 2008 (LI0845) with seed harvest of the strongest 14 half-sib families derived from a polycross with 29 clones.

Description according to UPOV gidelines

DUS test conducted at Scharnhorst, BSA (DEU), 2017-2019

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	3
14	Flag leaf: length	medium	5
15	Flag leaf: width	medium to wide	6
17	Plant: length of longest stem including inflorescence	medium to long	6

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

Agroscope good food, healthy environment

Version: 05.10.2021
Publisher: Agroscope, Reckenholzstrasse 191, 8046 Zürich
In Collaboration with: Delley Seeds and Plants Ltd (DSP), 1567 Delley
Authors: Christoph Grieder and Peter Tanner, Agroscope

www.agroscope.ch www.futterpflanzen.ch

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER
Agroscope