



Plants
Agroscope technical sheets | N°11 / 2016
Varietal sheet | Oat

Local 1

Avena sativa L. var. aurea

Country of origin: Switzerland

Passport

Variety name: Local
Variety status: Traditional cultivar
Region:
Accession number: AV0006
Accession name: Local
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 5033
Remarks: Swiss local accession collected in 1926 and stored until 2012 in Vavilov Institute



Physiologic characterization

Evaluation: Agroscope Charline Daujat 2015
Prangins CH: Rives (380m) 462339N/0061456E

Type: Spring
Precocity: 139
Lodging: Moderate
Height: 155cm
TKW: 23.07

Technologic values

Analyzes: Agroscope Charline Daujat/Charlotte Martin 2016
Prangins CH: Rives (380m) 462339N/0061456E

Protein content: 12.52%
Test weight (kg/hl): 52.81
Grain length/width: 10.93/2.37
Percentage of husk:
βglucan content:
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Regular spikelet number between panicles
Awn mainly on the top of panicles



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
Agroscope

Morphologic characterization¹

Description: Agroscope Charline Daujat 2015

Prangins CH: Rives (380m) 462339N/0061456E

Vegetative

Code	Descriptors	Comments	0	1	2	3	4	5	6	7	8	9
4.1.6.	Stem thickness	relative to reference varieties ²						X				
4.1.7.	Nodes hairiness							X				
4.1.8.	Angle of flag leaf to culm							X				
4.1.9.	Rigidity of flag leaf					X						
4.1.10.	Angle to culm of leaves	other than flag leaf		X								
4.1.11.	Rigidity of leaves	other than flag leaf							X			
4.1.12.	Hairiness of leaf sheath	lower leaves				X						
4.1.13.	Hairiness of leaf margin	leaf below flag leaf				X						
6.1.1.	Length of second leaf from top	relative to reference varieties ²				X						
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²					X					
6.1.3.	Number of tillers	relative to reference varieties ²								X		
6.1.4.	Number of fertile tillers	relative to reference varieties ²					X					
6.1.5.	Lodging at immature stage							X				
6.1.6.	Lodging at mature stage							X				

Inflorescence, fruit and grain

Code	Descriptors	Comments	0	1	2	3	4	5	6	7	8	9
4.2.3.	Angle of panicle branches to main axis			X								
4.2.4.	Erectness of spikelets					X						
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw						X				
4.3.2.	Hairiness of lemma		X									
4.3.8.	Hairiness at basal part of the primary grain							X				
6.3.1.	Grain shedding at maturity	cultivated forms								X		
4.3.4.	Awedness	recorded on basal floret				X						



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: Yes

Number of seeds in panicle: 85

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: Geniculate

Position of awn insertion: > 1/2 from base

Impressum

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¹ Descriptors from IBPGR document "Oat descriptors", Rome 1985.

² Reference varieties: Expander, Ebène and Triton.

³ Scale from "Kriterien der Getreidearten einschließlich Mais und ihre Bewertung zur Sortenidentifizierung", Dr. R. Milatz, 1970.