



Plants
Agroscope technical sheets | N°14 / 2016
Varietal sheet | Oat

Local 4

Avena sativa L. var. *aurea*

Country of origin: Switzerland

Passport

Variety name: Local
Variety status: Traditional cultivar
Region:
Accession number: AV0009
Accession name: Local
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7866
Remarks: Swiss local accession collected in 1930 and stored until 2012 in Vavilov Institute



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Moderate
Height: 130cm
TKW: 18.63

Technologic values

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

Protein content: 12.09%
Test weight (kg/hl): 56.37
Grain length/width (mm): 10.77/2.17
Percentage of husk:
βglucan content:
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Thin stem



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: No

Number of seeds in panicle: 108

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: Straight

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.