



Plants
Agroscope technical sheets | N°48 / 2016
Varietal sheet | Oat

Pergamon

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Pergamon

Variety status: Advanced cultivar

Region:

Accession number: AV0023

Accession name: Pergamon

Acquisition date: 2013

Donor name:

Nordsaat Saatzeitgesellschaft
mbH Saatzeit Langenstein

Donor number:

Remarks:



Physiologic characterization

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

Type: Spring

Precocity: 141

Lodging: Low

Height: 125cm

TKW: 28.97

Technologic values

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

Protein content: 15.3%

Test weight (kg/hl): 62.03

Grain length/width (mm): 10.97/2.8

Percentage of husk:

βglucan content:

Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks



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	Kernel covering:	Yes
Waxiness of the panicle:	No	Lemma color:	Yellow
Number of seeds in panicle:	99	Awn type:	Geniculate
Number of grains in spikelet:	2	Position of awn insertion:	> ½ 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.