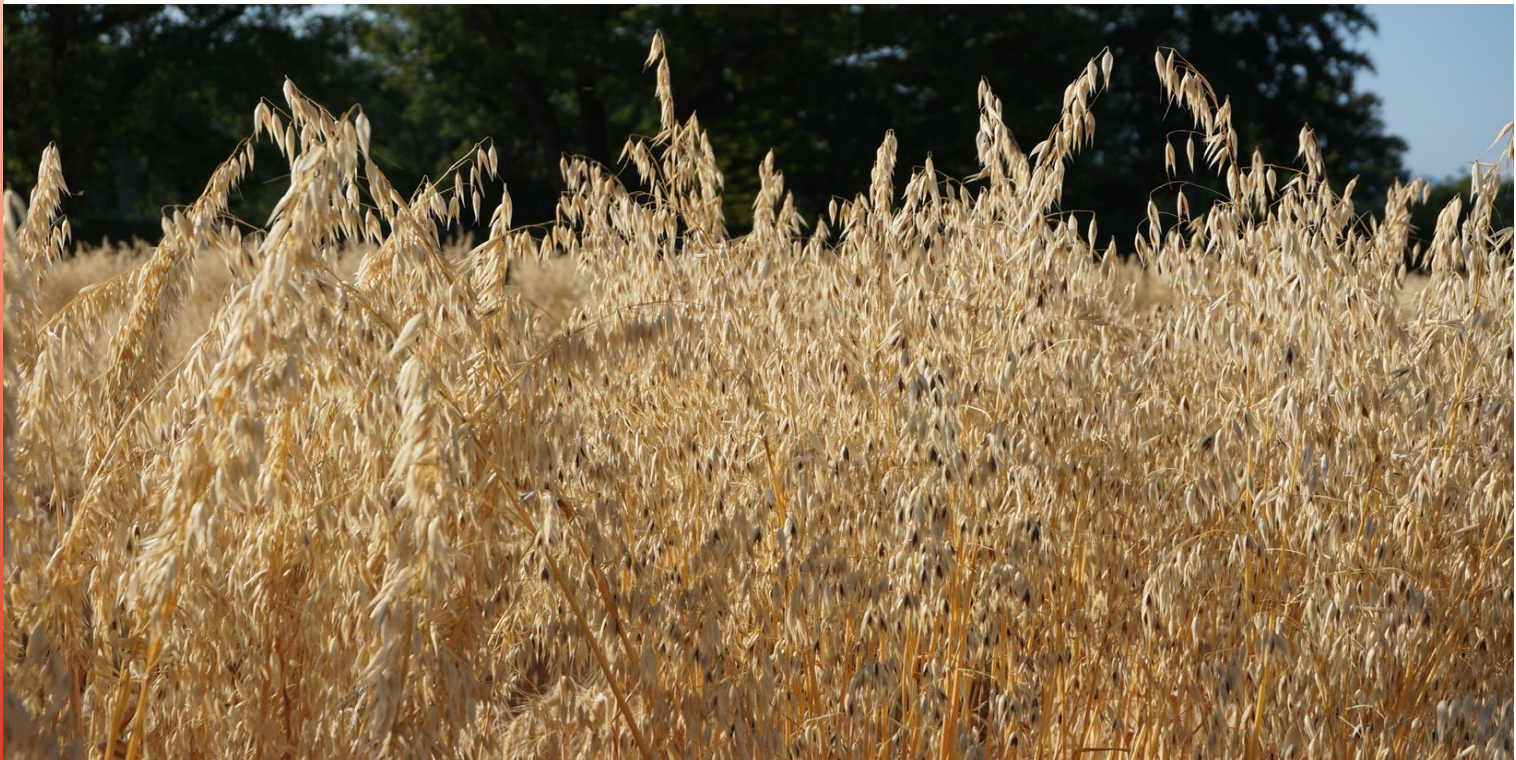


Plants

Agroscope Factsheets | No. 59 / 2017



Variety factsheets

Oat

Authors: Plant Breeding and Genetic Resources
Research Group



Oat characterization and evaluation project

Oat is a minor cereal that has been grown in Switzerland since the Bronze age. The crop has a predilection for cold and humid conditions but adapts perfectly to many different soil types, altitudes and humidity regimes. The elevated content in health promoting compounds (β -glucan; antioxidants) and the easiness of cultivation make oats an interesting crop for consumers and farmers.

Based on a collaboration agreement, the N.I. Vavilov Institute of Plant Industry (St. Petersburg, Russia) and Agroscope (Nyon, Switzerland) have initiated a joint screening of original oat germplasm stored in both gene banks. Major aim was to evaluate the potential of cultivation and use.

Throughout the growing season, all oat accessions underwent a morphological and phenological description based on the "Oat Descriptors" of the International Board of Plant Genetic Resources (edition of 1985) and on the descriptors selected by the Oat working group of ECPGR (European Cooperative Programme for Plant Genetic Resources).

A compilation of variety factsheets of 59 oat accessions are presented here according to their origin, including Swiss landraces (local varieties) and foreign modern varieties.



Plants
Agroscope Factsheet | N° 59.01 / 2017
Variety Factsheets | Oat

Adliker

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Adliker
Variety status: Traditional cultivar
Region:
Accession number: AV0042
Accession name: Adliker
Acquisition date: 2012
Donor name: NPGS
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Moderate
Height: 140cm
TKW: 20.6

Technologic values

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

Protein content (%): 11.86
Test weight (kg/hl): 58.61
Grain length/width (mm): 9.8/2.4
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks



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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: 89

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.02 / 2017
Variety Factsheets | Oat

Adliker (IPK)

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Adliker (IPK)
Variety status: Traditional cultivar
Region:
Accession number: AV0040
Accession name: Adliker (IPK)
Acquisition date: 2014
Donor name: IPK
Donor number: AVE 4159
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Moderate
Height: 135cm
TKW: 20.6

Technologic values

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

Protein content (%): 12.23
Test weight (kg/hl): 59.11
Grain length/width (mm): 10.2/2.33
Percentage of husk (%): 29.67
βglucan content (%): 4.37
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Awns black at the base



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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: 78

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.03 / 2017
Variety Factsheets | Oat

Brune de Mont-Calme

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Brune de Mont-Calme
Variety status: Traditional cultivar
Region:
Accession number: AV0037
Accession name: Brune de Mont-Calme
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Moderate
Height: 150cm
TKW: 20.1

Technologic values

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

Protein content (%): 12.26
Test weight (kg/hl): 51.11
Grain length/width (mm): 10.63/2.37
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Tight spikelets



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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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 84

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: Geniculate

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.04 / 2017
Variety Factsheets | Oat

Brune de Mont-Calme

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Brune de Mont-Calme
Variety status: Traditional cultivar
Region:
Accession number: AV0002
Accession name: Brune de Mont-Calme
Acquisition date: 2012
Donor name:
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 145cm
TKW: 20.67

Technologic values

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

Protein content (%): 11.75
Test weight (kg/hl): 56.75
Grain length/width (mm): 10.6/2.47
Percentage of husk (%): 21.36
βglucan content (%): 5.45
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Tight spikelets
Regular spikelets number between panicles



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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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 83

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
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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.



Plants
Agroscope Factsheet | N° 59.05 / 2017
Variety Factsheets | Oat

Brune de Mont-Calme

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Brune de Mont-Calme

Variety status: Traditional cultivar

Region:

Accession number: AV0043

Accession name: Brune de Mont-Calme

Acquisition date: 2012

Donor name: NPGS

Donor number: 3

Remarks:



Physiologic characterization

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

Type: Spring

Precocity: 141

Lodging: Moderate

Height: 160cm

TKW: 20.7

Technologic values

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

Protein content (%): 12.65

Test weight (kg/hl): 60.95

Grain length/width (mm): 10.47/2.43

Percentage of husk (%):

βglucan content (%):

Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks



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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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Unilateral

Waxiness of the panicle: Yes

Number of seeds in panicle: 79

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
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Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.06 / 2017
Variety Factsheets | Oat

Brune de Mont-Calme

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Brune de Mont-Calme

Variety status: Traditional cultivar

Region:

Accession number: AV0044

Accession name: Brune de Mont-Calme

Acquisition date: 2012

Donor name: NPGS

Donor number: 4

Remarks:



Physiologic characterization

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

Type: Spring

Precocity: 139

Lodging: Moderate

Height: 150cm

TKW: 18.9

Technologic values

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

Protein content (%): 14.27

Test weight (kg/hl): 59.66

Grain length/width (mm): 11.1/2.45

Percentage of husk (%):

βglucan content (%):

Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks



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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											
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										
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											

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											
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:	Unilateral	Kernel covering:	Yes
Waxiness of the panicle:	Yes	Lemma color:	Black
Number of seeds in panicle:	87	Awn type:	Straight
Number of grains in spikelet:	2	Position of awn insertion:	> 1/2 from base

Impressum

Éditeur:	Agroscope Route de Duillier 50 1260 Nyon 1 www.agroscope.ch
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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.



Plants
Agroscope Factsheet | N° 59.07 / 2017
Variety Factsheets | Oat

Brune de Mont-Calme

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Brune de Mont-Calme
Variety status: Traditional cultivar
Region:
Accession number: AV0041
Accession name: Brune de Mont-Calme
Acquisition date: 2012
Donor name: NPGS
Donor number: 263559
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Moderate
Height: 150cm
TKW: 20.13

Technologic values

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

Protein content (%): 12.71
Test weight (kg/hl): 62.99
Grain length/width (mm): 10.1/2.4
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Awns black at the base



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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:	Unilateral	Kernel covering:	Yes
Waxiness of the panicle:	Yes	Lemma color:	Black
Number of seeds in panicle:	87	Awn type:	Straight
Number of grains in spikelet:	2	Position of awn insertion:	> 1/2 from base

Impressum

Éditeur:	Agroscope Route de Duillier 50 1260 Nyon 1 www.agroscope.ch
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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.



Plants
Agroscope Factsheet | N° 59.08 / 2017
Variety Factsheets | Oat

Hative des Alpes

Avena sativa L. var. mutica

Country of origin: Switzerland

Passport

Variety name: Hative des Alpes
Variety status: Traditional cultivar
Region:
Accession number: AV0004
Accession name: Hative des Alpes
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 5028
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Forte
Height: 135cm
TKW: 20.73

Technologic values

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

Protein content (%): 12.86
Test weight (kg/hl): 55.98
Grain length/width (mm): 10.53/2.47
Percentage of husk (%): 38.63
βglucan content (%): 6.74
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Regular spikelets number between panicles



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Morphologic characterization¹

Description: Agroscope Charline Daujat 2015

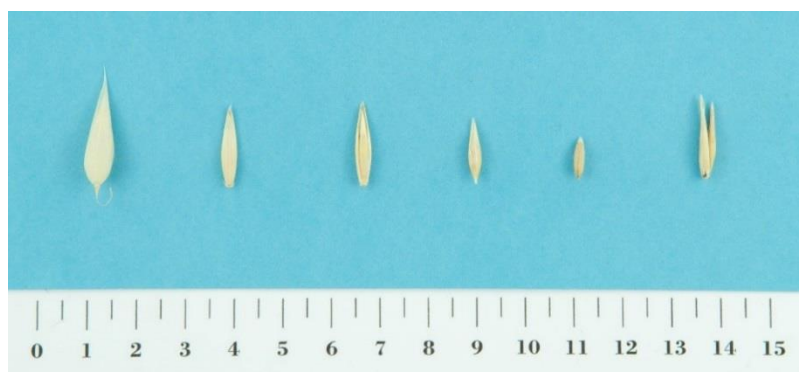
Prangins CH: Rives (380m) 462339N/0061456E

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: 110

Number of grains in spikelet: 1-2

Kernel covering: Yes

Lemma color: White

Awn type: /

Position of awn insertion: /

Impressum

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Editorial: Plant Breeding and Genetic Resources
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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.



Plants
Agroscope Factsheet | N° 59.09 / 2017
Variety Factsheets | Oat

Local 1

Avena sativa L. var. aurea

Country of origin: Switzerland

Passport

Variety name: Local 1
Variety status: Traditional cultivar
Region:
Accession number: AV0006
Accession name: Local 1
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 5033
Remarks:



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 (mm): 10.93/2.37
Percentage of husk (%):
βglucan content (%): 2.48
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

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



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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:	Unilateral	Kernel covering:	Yes
Waxiness of the panicle:	Yes	Lemma color:	Yellow
Number of seeds in panicle:	85	Awn type:	Geniculate
Number of grains in spikelet:	2	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.



Plants
Agroscope Factsheet | N° 59.10 / 2017
Variety Factsheets | Oat

Local 2

Avena sativa L. var. aurea

Country of origin: Switzerland

Passport

Variety name: Local 2
Variety status: Traditional cultivar
Region:
Accession number: AV0007
Accession name: Local 2
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7864
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 130cm
TKW: 22.67

Technologic values

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

Protein content (%): 12.58
Test weight (kg/hl): 57.54
Grain length/width (mm): 11.23/2.53
Percentage of husk (%):
βglucan content (%): 2.4
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Two types: brown and yellow. From the taxonomic name "var. aurea" yellow form is the original one.



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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: 107

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow-Black

Awn type: /

Position of awn insertion: /

Impressum

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



Plants
Agroscope Factsheet | N° 59.11 / 2017
Variety Factsheets | Oat

Local 3

Avena sativa L. var. mutica

Country of origin: Switzerland

Passport

Variety name: Local 3
Variety status: Traditional cultivar
Region:
Accession number: AV0008
Accession name: Local 3
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7865
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 145cm
TKW: 20.87

Technologic values

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

Protein content (%): 12.9
Test weight (kg/hl): 59.36
Grain length/width (mm): 11.9/2.33
Percentage of husk (%):
βglucan content (%): 2.4
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Spread spikelets



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: 92

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

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.



Plants
Agroscope Factsheet | N° 59.12 / 2017
Variety Factsheets | Oat

Local 4

Avena sativa L. var. *aurea*

Country of origin: Switzerland

Passport

Variety name: Local 4
Variety status: Traditional cultivar
Region:
Accession number: AV0009
Accession name: Local 4
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7866
Remarks:



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 (%): 2.74
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.



Plants
Agroscope Factsheet | N° 59.13 / 2017
Variety Factsheets | Oat

Local 5

Avena sativa L. var. aurea

Country of origin: Switzerland

Passport

Variety name: Local 5
Variety status: Traditional cultivar
Region:
Accession number: AV0010
Accession name: Local 5
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7867
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Moderate
Height: 140cm
TKW: 19.2

Technologic values

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

Protein content (%): 12.41
Test weight (kg/hl): 55.52
Grain length/width (mm): 10.7/2.2
Percentage of husk (%):
βglucan content (%): 3.61
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks



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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: 111

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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² Reference varieties: Expander, Ebène and Triton.

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



Plants
Agroscope Factsheet | N° 59.14 / 2017
Variety Factsheets | Oat

Local 6

Avena sativa L. var. mutica

Country of origin: Switzerland

Passport

Variety name: Local 6
Variety status: Traditional cultivar
Region:
Accession number: AV0011
Accession name: Local 6
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7868
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 137
Lodging: Forte
Height: 135cm
TKW: 22.47

Technologic values

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

Protein content (%): 12.15
Test weight (kg/hl): 53.35
Grain length/width (mm): 11.63/2.4
Percentage of husk (%):
βglucan content (%): 2.44
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Awns black at the base
Awns 3cm long



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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: 96

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: 1/2 from base

Impressum

Éditeur: Agroscope
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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.



Plants
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Variety Factsheets | Oat

Local 7

Avena sativa L. var. mutica

Country of origin: Switzerland

Passport

Variety name: Local 7
Variety status: Traditional cultivar
Region:
Accession number: AV0012
Accession name: Local 7
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 7869
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Forte
Height: 110cm
TKW: 23.9

Technologic values

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

Protein content (%): 11.82
Test weight (kg/hl): 57.35
Grain length/width (mm): 12.2/2.43
Percentage of husk (%):
βglucan content (%): 2.15
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Very sensitive
Few full grains
Long hairs on lemma



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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: 77

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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² Reference varieties: Expander, Ebène and Triton.

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



Plants
Agroscope Factsheet | N° 59.16 / 2017
Variety Factsheets | Oat

Rosegghafer

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: Rosegghafer
Variety status: Traditional cultivar
Region:
Accession number: AV0039
Accession name: Rosegghafer
Acquisition date: 2014
Donor name: IPK
Donor number: AVE 4175
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Moderate
Height: 150cm
TKW: 22.17

Technologic values

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

Protein content (%): 11.44
Test weight (kg/hl): 60.38
Grain length/width (mm): 11.33/2.47
Percentage of husk (%): 22.72
βglucan content (%): 4.45
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

Waxiness of the panicle: Yes

Number of seeds in panicle: 87

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



Plants
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Variety Factsheets | Oat

S'Hafer Adliker

Avena sativa L.

Country of origin: Switzerland

Passport

Variety name: S'Hafer Adliker
Variety status: Traditional cultivar
Region:
Accession number: AV0045
Accession name: S'Hafer Adliker
Acquisition date: 2012
Donor name:
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 145cm
TKW: 21.3

Technologic values

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

Protein content (%): 11.73
Test weight (kg/hl): 57.17
Grain length/width (mm): 10.27/2.4
Percentage of husk (%): 30
βglucan content (%): 4.02
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: No

Number of seeds in panicle: 92

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.



Plants
Agroscope Factsheet | N° 59.18 / 2017
Variety Factsheets | Oat

Très précoce jaune

Avena sativa L. var. *aurea*

Country of origin: Switzerland

Passport

Variety name: Très précoce jaune
Variety status: Traditional cultivar
Region:
Accession number: AV0005
Accession name: Très précoce jaune
Acquisition date: 2012
Donor name: Vavilov Institute
Donor number: 5029
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Moderate
Height: 130cm
TKW: 20.47

Technologic values

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

Protein content (%): 13.09
Test weight (kg/hl): 51.43
Grain length/width (mm): 11.17/2.3
Percentage of husk (%): 18.49
βglucan content (%): 4.12
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks



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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	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: 85

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



Plants
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Variety Factsheets | Oat

Argamak

Avena sativa L. var. mutica

Country of origin: Russian Federation

Passport

Variety name: Argamak
Variety status: Advanced cultivar
Region: Kirov (RUS)
Accession number: AV0030
Accession name: Argamak
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 14648
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 120cm
TKW: 23.87

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Technologic values

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

Protein content (%): 13.31
Test weight (kg/hl): 54.27
Grain length/width (mm): 10.8/2.63
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Particular remarks

Short but dense hairs on lemma



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: 103

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



Plants
Agroscope Factsheet | N° 59.20 / 2017
Variety Factsheets | Oat

Konkur

Avena sativa L. var. mutica

Country of origin: Russian Federation

Passport

Variety name: Konkur
Variety status: Advanced cultivar
Region: Ulyanovsk (RUS)
Accession number: AV0033
Accession name: Konkur
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 15068
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 130cm
TKW: 27.13

Technologic values

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

Protein content (%): 12.54
Test weight (kg/hl): 54.94
Grain length/width (mm): 10.37/2.6
Percentage of husk (%):
βglucan content (%): 2.51
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 95

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: White

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.



Plants
Agroscope Factsheet | N° 59.21 / 2017
Variety Factsheets | Oat

Krechet

Avena sativa L. var. mutica

Country of origin: Russian Federation

Passport

Variety name: Krechet
Variety status: Advanced cultivar
Region: Kirov (RUS)
Accession number: AV0032
Accession name: Krechet
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 14857
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 137
Lodging: Low
Height: 115cm
TKW: 26.07

Technologic values

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

Protein content (%): 13.51
Test weight (kg/hl): 59.19
Grain length/width (mm): 10.93/2.63
Percentage of husk (%):
βglucan content (%): 2.73
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

Waxiness of the panicle: No

Number of seeds in panicle: 96

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
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² Reference varieties: Expander, Ebène and Triton.

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



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Variety Factsheets | Oat

Lev

Avena sativa L. var. mutica

Country of origin: Russian Federation

Passport

Variety name: Lev
Variety status: Advanced cultivar
Region: Moscow (RUS)
Accession number: AV0035
Accession name: Lev
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 15176
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 130cm
TKW: 25.03

Technologic values

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

Protein content (%): 12.56
Test weight (kg/hl): 62.99
Grain length/width (mm): 9.8/2.57
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Folds on leaf
Long hairs on lemma



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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 121

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

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.



Plants
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Variety Factsheets | Oat

Pomor

Avena sativa L. var. inermis

Country of origin: Russian Federation

Passport

Variety name: Pomor
Variety status: Advanced cultivar
Region: Kemerovo (RUS)
Accession number: AV0034
Accession name: Pomor
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 15117
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Moderate
Height: 150cm
TKW: 24.63

Technologic values

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

Protein content (%): 11.65
Test weight (kg/hl): 51.6
Grain length/width (mm): 8.7/2.57
Percentage of husk (%):
βglucan content (%): 3.18
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Spikelets stacked on the top of each other



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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											
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: 77

Number of grains in spikelet: 3

Kernel covering: No

Lemma color: /

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



Plants
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Variety Factsheets | Oat

Privet

Avena sativa L. var. aurea

Country of origin: Russian Federation

Passport

Variety name: Privet
Variety status: Advanced cultivar
Region: Moscow (RUS)
Accession number: AV0031
Accession name: Privet
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 14787
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 125cm
TKW: 26.73

Technologic values

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

Protein content (%): 12.73
Test weight (kg/hl): 51.97
Grain length/width (mm): 11.3/2.7
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

Waxiness of the panicle: No

Number of seeds in panicle: 95

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



Plants
Agroscope Factsheet | N° 59.25 / 2017
Variety Factsheets | Oat

Taidon

Avena sativa L. var. *inermis*

Country of origin: Russian Federation

Passport

Variety name: Taidon
Variety status: Advanced cultivar
Region: Kemerovo (RUS)
Accession number: AV0036
Accession name: Taidon
Acquisition date: 19.03.2013
Donor name: Vavilov Institute
Donor number: 15183
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 145cm
TKW: 22.6

Technologic values

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

Protein content (%): 12.57
Test weight (kg/hl): 52.54
Grain length/width (mm): 8.73/2.37
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Spikelets half tight
Spikelets stacked on the top of each other



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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: 75

Number of grains in spikelet: 2

Kernel covering: No

Lemma color: /

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



Plants
Agroscope Factsheet | N° 59.26 / 2017
Variety Factsheets | Oat

Buggy

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Buggy
Variety status: Advanced cultivar
Region:
Accession number: AV0021
Accession name: Buggy
Acquisition date: 2013
Donor name: Nordsaat
Saatzuchtgesellschaft mbH Saatzucht
Langenstein
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Null
Height: 85cm
TKW: 18.73

Technologic values

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

Protein content (%): 13.41
Test weight (kg/hl): 61.38
Grain length/width (mm): 10.27/2.7
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks



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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: 92

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

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.



Plants
Agroscope Factsheet | N° 59.27 / 2017
Variety Factsheets | Oat

Canyon

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Canyon
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Canyon
Acquisition date: 2015
Donor name: Fenaco
Donor number: 6634-01
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 110cm
TKW: 30

Technologic values

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

Protein content (%): 11.48
Test weight (kg/hl): 59.15
Grain length/width (mm): 10.63/2.7
Percentage of husk (%): 30.95
βglucan content (%): 6.16
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

Waxiness of the panicle: Yes

Number of seeds in panicle: 71

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
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Variety Factsheets | Oat

Carron

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Carron
Variety status: Advanced cultivar
Region:
Accession number: AV0016
Accession name: Carron
Acquisition date: 2013
Donor name: KWS Lochow GMBH
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 100cm
TKW: 28.23

Technologic values

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

Protein content (%): 12.73
Test weight (kg/hl): 62.51
Grain length/width (mm): 10.87/2.73
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: No

Number of seeds in panicle: 94

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: White

Awn type: Geniculate

Position of awn insertion: 1/2 from base

Impressum

Éditeur: Agroscope
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www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



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Variety Factsheets | Oat

Flaemingsgold

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Flaemingsgold

Variety status: Advanced cultivar

Region:

Accession number: AV0026

Accession name: Flaemingsgold

Acquisition date: 2013

Donor name:

Donor number:

Remarks: Standard variety (yellow oat)



Physiologic characterization

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

Type: Spring

Precocity: 141

Lodging: Null

Height: 105cm

TKW: 31.57

Technologic values

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

Protein content (%): 12.6

Test weight (kg/hl): 54.13

Grain length/width (mm): 11.57/2.83

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					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		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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 83

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: Yellow

Awn type: Geniculate

Position of awn insertion: 1/2 from base

Impressum

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Editorial:	Plant Breeding and Genetic Resources Research Group
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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.



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Variety Factsheets | Oat

Flamingsprofi

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Flamingsprofi
Variety status: Advanced cultivar
Region:
Accession number: AV0029
Accession name: Flamingsprofi
Acquisition date: 2013
Donor name:
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 115cm
TKW: 29

Technologic values

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

Protein content (%): 13.07
Test weight (kg/hl): 54.92
Grain length/width (mm): 10.23/2.73
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										
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: 81

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: Yellow

Awn type: Geniculate

Position of awn insertion: > 1/2 from base

Impressum

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www.agroscope.ch

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Research Group

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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.



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Variety Factsheets | Oat

Husky

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Husky

Variety status: Advanced cultivar

Region:

Accession number: AV0022

Accession name: Husky

Acquisition date: 2013

Donor name: Nordsaat
Saatzuchtgesellschaft mbH Saatzucht
Langenstein

Donor number:

Remarks:



Physiologic characterization

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

Type: Spring

Precocity: 145

Lodging: Low

Height: 110cm

TKW: 29.6

Technologic values

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

Protein content (%): 11.7

Test weight (kg/hl): 58.46

Grain length/width (mm): 9.03/2.73

Percentage of husk (%): 25.92

βglucan content (%): 5.57

Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Awns black at the base



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: 90

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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Route de Duillier 50
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² Reference varieties: Expander, Ebène and Triton.

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



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Variety Factsheets | Oat

Ivory

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Ivory

Variety status: Advanced cultivar

Region:

Accession number: AV0014

Accession name: Ivory

Acquisition date: 2013

Donor name: Nordsaat
Saatzuchtgesellschaft mbH Saatzucht
Langenstein

Donor number:

Remarks: Standard variety (white oat)



Physiologic characterization

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

Type: Spring

Precocity: 141

Lodging: Low

Height: 110cm

TKW: 38.9

Technologic values

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

Protein content (%): 12.2

Test weight (kg/hl): 59.61

Grain length/width (mm): 11.5/2.93

Percentage of husk (%): 26.54

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					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: 80

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: /

Position of awn insertion: /

Impressum

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² Reference varieties: Expander, Ebène and Triton.

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



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Nelson

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Nelson

Variety status: Advanced cultivar

Region:

Accession number: AV0013

Accession name: Nelson

Acquisition date: 2013

Donor name: Nordsaat
Saatzuchtgesellschaft mbH Saatzucht
Langenstein

Donor number:

Remarks: Standard variety (yellow oat)



Physiologic characterization

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

Type: Spring

Precocity: 141

Lodging: Low

Height: 115cm

TKW: 30.05

Technologic values

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

Protein content (%): 12.59

Test weight (kg/hl): 59.57

Grain length/width (mm): 11.4/2.73

Percentage of husk (%):

βglucan content (%):

Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Awns black at the base
Wound leaves



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: 76

Number of grains in spikelet: 2-3

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.



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Variety Factsheets | Oat

Ozon

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Ozon
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Ozon
Acquisition date: 2015
Donor name: Nordsaat
Saatzuchtgesellschaft
Donor number: 1376
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 110cm
TKW: 34.43

Technologic values

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

Protein content (%):
Test weight (kg/hl): 55.29
Grain length/width (mm): 11.17/2.9
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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 87

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
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Variety Factsheets | 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
Saatzuchtgesellschaft mbH Saatzucht
Langenstein
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
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

Waxiness of the panicle: No

Number of seeds in panicle: 99

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: Geniculate

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
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Variety Factsheets | Oat

Poseidon

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Poseidon
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Poseidon
Acquisition date: 2015
Donor name: Nordsaat Saatzucht GmbH
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 115cm
TKW: 33.67

Technologic values

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

Protein content (%): 11.88
Test weight (kg/hl): 55.11
Grain length/width (mm): 10.9/2.87
Percentage of husk (%): 39.07
βglucan content (%): 5.75
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Folds on leafs



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: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
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Variety Factsheets | Oat

Rocky

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Rocky
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Rocky
Acquisition date: 2015
Donor name: Nordsaat Saatzeit GmbH
Donor number: 1370
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 110cm
TKW: 27.45

Technologic values

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

Protein content (%):
Test weight (kg/hl): 63.17
Grain length/width (mm): 10.65/2.55
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Regular spikelets number between panicles



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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: No

Number of seeds in panicle: 66

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



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Variety Factsheets | Oat

Samuel

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Samuel
Variety status: Advanced cultivar
Region:
Accession number: AV0038
Accession name: Samuel
Acquisition date: 2013
Donor name:
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 120cm
TKW: 20

Technologic values

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

Protein content (%): 13.25
Test weight (kg/hl): 64.74
Grain length/width (mm): 6.87/2.17
Percentage of husk (%): 9.12
βglucan content (%): 4.41
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Spikelets stacked on the top of each other



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: 65

Number of grains in spikelet: 3

Kernel covering: No

Lemma color: /

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
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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.



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Agroscope Factsheet | N° 59.39 / 2017
Variety Factsheets | Oat

Scorpion

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Scorpion

Variety status: Advanced cultivar

Region:

Accession number: AV0024

Accession name: Scorpion

Acquisition date: 2013

Donor name: Nordsaat
Saatzuchtgesellschaft 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: 115cm

TKW: 34.47

Technologic values

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

Protein content (%):

Test weight (kg/hl): 61.43

Grain length/width (mm): 10.33/2.9

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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: No

Number of seeds in panicle: 90

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: Yellow

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



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Agroscope Factsheet | N° 59.40 / 2017
Variety Factsheets | Oat

Spartan

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Spartan
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Spartan
Acquisition date: 2015
Donor name: Nordsaat Saatzucht GmbH
Donor number: 1368
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 105cm
TKW: 34.9

Technologic values

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

Protein content (%):
Test weight (kg/hl): 68.28
Grain length/width (mm): 11.27/2.8
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: Yes

Number of seeds in panicle: 103

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: Yellow

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.41 / 2017
Variety Factsheets | Oat

Symphony

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Symphony
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Symphony
Acquisition date: 2015
Donor name: Nordsaat Saatzucht GmbH
Donor number: 1374
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 120cm
TKW: 34.25

Technologic values

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

Protein content (%):
Test weight (kg/hl): 62.57
Grain length/width (mm): 10.9/2.85
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Folds on leafs



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: 85

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

Impressum

Éditeur:	Agroscope Route de Duillier 50 1260 Nyon 1 www.agroscope.ch
Editorial:	Plant Breeding and Genetic Resources Research Group
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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.



Plants
Agroscope Factsheet | N° 59.42 / 2017
Variety Factsheets | Oat

Typhon

Avena sativa L.

Country of origin: Germany

Passport

Variety name: Typhon
Variety status: Advanced cultivar
Region:
Accession number: AV0025
Accession name: Typhon
Acquisition date: 2013
Donor name: Nordsaat
Saatzuchtgesellschaft mbH Saatzucht
Langenstein
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 105cm
TKW: 32.33

Technologic values

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

Protein content (%): 13.42
Test weight (kg/hl): 51.86
Grain length/width (mm): 10.9/2.8
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Folds on leafs



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: 99

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: Yellow

Awn type: Geniculate

Position of awn insertion: 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.43 / 2017
Variety Factsheets | Oat

Auteuil

Avena sativa L.

Country of origin: France

Passport

Variety name: Auteuil
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Auteuil
Acquisition date: 2015
Donor name: PGRC (Canada)
Donor number: CN 119634
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 100cm
TKW: 26.7

Technologic values

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

Protein content (%):
Test weight (kg/hl): 53.01
Grain length/width (mm): 10/2.97
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks



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: No

Number of seeds in panicle: 59

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: Black

Awn type: Straight

Position of awn insertion: 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
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www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.44 / 2017
Variety Factsheets | Oat

Chantilly

Avena sativa L.

Country of origin: France

Passport

Variety name: Chantilly
Variety status: Advanced cultivar
Region:
Accession number: AV0018
Accession name: Chantilly
Acquisition date: 2009
Donor name: Serasem
Donor number:
Remarks: Standard variety (white oat)



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 115cm
TKW: 27.57

Technologic values

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

Protein content (%): 12.79
Test weight (kg/hl): 64.97
Grain length/width (mm): 11.23/2.63
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Showed stem rust sensitivity on field
Folds on leaves
Tight spikelets
3 grains per spikelet on the panicle top



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: Unilateral

Waxiness of the panicle: Yes

Number of seeds in panicle: 96

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: Yellow

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

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Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.45 / 2017
Variety Factsheets | Oat

Chimène

Avena sativa L.

Country of origin: France

Passport

Variety name: Chimène
Variety status: Advanced cultivar
Region:
Accession number: AV0019
Accession name: Chimène
Acquisition date: 2013
Donor name: Serasem
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 115cm
TKW: 27.27

Technologic values

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

Protein content (%): 13.92
Test weight (kg/hl): 67.5
Grain length/width (mm): 10.87/2.7
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: No

Number of seeds in panicle: 93

Number of grains in spikelet: 3

Kernel covering: Yes

Lemma color: White

Awn type: Geniculate

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
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Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.46 / 2017
Variety Factsheets | Oat

Dakar

Avena sativa L.

Country of origin: France

Passport

Variety name: Dakar
Variety status: Advanced cultivar
Region:
Accession number: AV0017
Accession name: Dakar
Acquisition date: 2009
Donor name: Etablissements Lemaire-Deffontaines
Donor number:
Remarks: Standard variety



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Null
Height: 95cm
TKW: 25.23

Technologic values

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

Protein content (%):
Test weight (kg/hl): 59.61
Grain length/width (mm): 9.33/2.83
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

Waxiness of the panicle: No

Number of seeds in panicle: 78

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: /

Position of awn insertion: /

Impressum

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Editorial: Plant Breeding and Genetic Resources
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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.



Plants
Agroscope Factsheet | N° 59.47 / 2017
Variety Factsheets | Oat

Ebène

Avena sativa L.

Country of origin: France

Passport

Variety name: Ebène
Variety status: Advanced cultivar
Region:
Accession number: AV0003
Accession name: Ebène
Acquisition date: 1998
Donor name: Perenchies Serasem
Recherche et Sélections
Donor number:
Remarks: Standard variety (black oat)



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 100cm
TKW: 25.9

Technologic values

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

Protein content (%): 13.19
Test weight (kg/hl): 57.96
Grain length/width (mm): 9.53/2.9
Percentage of husk (%): 29.68
βglucan content (%): 6.15
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			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: 70

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

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.



Plants
Agroscope Factsheet | N° 59.48 / 2017
Variety Factsheets | Oat

Gaillette

Avena sativa L.

Country of origin: France

Passport

Variety name: Gaillette
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Gaillette
Acquisition date: 2015
Donor name: Fenaco
Donor number: 6767-01
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 105cm
TKW: 33.97

Technologic values

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

Protein content (%): 11.97
Test weight (kg/hl): 51.43
Grain length/width (mm): 10.47/3.1
Percentage of husk (%): 29.24
βglucan content (%): 5.92
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Awned mainly at the base of panicle



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										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 80

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
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Variety Factsheets | Oat

Avesta

Avena sativa L.

Country of origin: Canada

Passport

Variety name: Avesta
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Avesta
Acquisition date: 2015
Donor name: PGRC (Canada)
Donor number: CN 119696
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 139
Lodging: Low
Height: 95cm
TKW: 29.4

Technologic values

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

Protein content (%):
Test weight (kg/hl): 58.54
Grain length/width (mm): 9.55/2.85
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: Unilateral

Waxiness of the panicle: Yes

Number of seeds in panicle: 67

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: /

Position of awn insertion: /

Impressum

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Research Group

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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.



Plants
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Variety Factsheets | Oat

Black

Avena sativa L.

Country of origin: Canada

Passport

Variety name: Black
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Black
Acquisition date: 2015
Donor name: PGRC (Canada)
Donor number: CN 119636
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 105cm
TKW: 25.93

Technologic values

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

Protein content (%):
Test weight (kg/hl): 57.13
Grain length/width (mm): 9.53/2.83
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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 90

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
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Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
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Variety Factsheets | Oat

Capo

Avena sativa L.

Country of origin: Canada

Passport

Variety name: Capo
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Capo
Acquisition date: 2015
Donor name: PGRC (Canada)
Donor number: CN 119606
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Null
Height: 100cm
TKW: 23.63

Technologic values

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

Protein content (%):
Test weight (kg/hl): 52.45
Grain length/width (mm): 9.87/2.83
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Equilateral

Waxiness of the panicle: No

Number of seeds in panicle: 76

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
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Research Group

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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.



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Ranch

Avena sativa L.

Country of origin: Canada

Passport

Variety name: Ranch
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Ranch
Acquisition date: 2015
Donor name: PGRC (Canada)
Donor number: CN 119657
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 100cm
TKW: 25.77

Technologic values

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

Protein content (%):
Test weight (kg/hl): 63.41
Grain length/width (mm): 9.93/2.9
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Showed brown rust sensitivity on field



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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 80

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Black

Awn type: /

Position of awn insertion: /

Impressum

Éditeur: Agroscope
Route de Duillier 50
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www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



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Expander

Avena sativa L.

Country of origin: Austria

Passport

Variety name: Expander

Variety status: Advanced cultivar

Region:

Accession number: AV0001

Accession name: Expander

Acquisition date: 1998

Donor name: Plantbreeding
Agricultural College Edelhof

Donor number:

Remarks: Standard variety (yellow oat)



Physiologic characterization

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

Type: Spring

Precocity: 145

Lodging: Low

Height: 105cm

TKW: 29.73

Technologic values

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

Protein content (%): 12.23

Test weight (kg/hl): 59.87

Grain length/width (mm): 10.37/2.63

Percentage of husk (%): 22.05

βglucan content (%): 5.31

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

Waxiness of the panicle: Yes

Number of seeds in panicle: 96

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

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.



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Président

Avena sativa L.

Country of origin: Austria

Passport

Variety name: Président

Variety status: Advanced cultivar

Region:

Accession number: AV0027

Accession name: Président

Acquisition date: 2013

Donor name: Saatbau Linz
Oberösterreichische
Landessaatbaugenossenschaft

Donor number:

Remarks: Standard variety (white oat)



Physiologic characterization

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

Type: Spring

Precocity: 145

Lodging: Low

Height: 105cm

TKW: 29.7

Technologic values

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

Protein content (%): 12.03

Test weight (kg/hl): 57.15

Grain length/width (mm): 9.87/2.8

Percentage of husk (%): 35.24

βglucan content (%):

Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER
Agroscope

Swiss Confederation

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: 71

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: > 1/2 from base

Impressum

Éditeur: Agroscope
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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.



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Triton

Avena sativa L.

Country of origin: Austria

Passport

Variety name: Triton
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Triton
Acquisition date: 2015
Donor name: Fenaco
Donor number: 34327-01
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 147
Lodging: Low
Height: 105cm
TKW: 35.4

Technologic values

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

Protein content (%): 11.95
Test weight (kg/hl): 50.2
Grain length/width (mm): 11.07/2.83
Percentage of husk (%): 22.56
βglucan content (%): 5.73
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:
Puccinia graminis:

Particular remarks

Regular spikelets number between panicles



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: 62

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: Geniculate

Position of awn insertion: 1/2 from base

Impressum

Éditeur: Agroscope
Route de Duillier 50
1260 Nyon 1
www.agroscope.ch

Editorial: Plant Breeding and Genetic Resources
Research Group

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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.



Plants
Agroscope Factsheet | N° 59.56 / 2017
Variety Factsheets | Oat

Persane

Avena sativa L.

Country of origin: Nederland

Passport

Variety name: Persane
Variety status: Advanced cultivar
Region:
Accession number: AV0020
Accession name: Persane
Acquisition date: 2013
Donor name: Semundo Nederland
B.V., Ulrum
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 115cm
TKW: 26.63

Technologic values

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

Protein content (%): 15.07
Test weight (kg/hl): 61.64
Grain length/width (mm): 10.83/2.63
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

Waxiness of the panicle: No

Number of seeds in panicle: 110

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: > 1/2 from base

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Plants
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Variety Factsheets | Oat

Oberon

Avena sativa L.

Country of origin: Czech Republic

Passport

Variety name: Oberon
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Oberon
Acquisition date: 2015
Donor name: Nordsaat Saatzucht GmbH
Donor number: 1373
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 125cm
TKW: 31.4

Technologic values

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

Protein content (%):
Test weight (kg/hl): 64.34
Grain length/width (mm): 10.63/2.73
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										
4.1.7.	Nodes hairiness											
4.1.8.	Angle of flag leaf to culm											
4.1.9.	Rigidity of flag leaf											
4.1.10.	Angle to culm of leaves	other than flag leaf										
4.1.11.	Rigidity of leaves	other than flag leaf										
4.1.12.	Hairiness of leaf sheath	lower leaves										
4.1.13.	Hairiness of leaf margin	leaf below flag leaf										
6.1.1.	Length of second leaf from top	relative to reference varieties ²										
6.1.2.	Width of second leaf from top	at widest point and relative to reference varieties ²										
6.1.3.	Number of tillers	relative to reference varieties ²										
6.1.4.	Number of fertile tillers	relative to reference varieties ²										
6.1.5.	Lodging at immature stage											
6.1.6.	Lodging at mature stage											

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											
4.2.4.	Erectness of spikelets											
6.2.3.	Maturity and Straw	Relation between maturity of grain and straw										
4.3.2.	Hairiness of lemma											
4.3.8.	Hairiness at basal part of the primary grain											
6.3.1.	Grain shedding at maturity	cultivated forms										
4.3.4.	Awedness	recorded on basal floret										



Spikelet color³



Leaf color³



Straw color³

Shape of panicle: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 88

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: Yellow

Awn type: /

Position of awn insertion: /

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Plants
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Variety Factsheets | Oat

Orblanche

Avena sativa L.

Country of origin: Algeria

Passport

Variety name: Orblanche
Variety status: Advanced cultivar
Region:
Accession number: AV0015
Accession name: Orblanche
Acquisition date: 2013
Donor name: C. Claude Benoist
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 145
Lodging: Low
Height: 105cm
TKW: 29.1

Technologic values

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

Protein content (%): 13.02
Test weight (kg/hl): 63.96
Grain length/width (mm): 10.77/2.83
Percentage of husk (%):
βglucan content (%):
Mycotoxin content:

Diseases sensitivity

Notations:

Puccinia coronata:

Puccinia graminis:

Particular remarks

Tight spikelets



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER
Agroscope

Swiss Confederation

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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 73

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: White

Awn type: Geniculate

Position of awn insertion: > 1/2 from base

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Plants
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Variety Factsheets | Oat

Melody

Avena sativa L.

Country of origin:

Passport

Variety name: Melody
Variety status: Advanced cultivar
Region:
Accession number:
Accession name: Melody
Acquisition date: 2015
Donor name:
Donor number:
Remarks:



Physiologic characterization

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

Type: Spring
Precocity: 141
Lodging: Low
Height: 110cm
TKW: 30.87

Technologic values

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

Protein content (%): 11.97
Test weight (kg/hl): 55.62
Grain length/width (mm): 10.23/2.73
Percentage of husk (%): 29.45
βglucan content (%): 5.24
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: Unilateral

Waxiness of the panicle: No

Number of seeds in panicle: 69

Number of grains in spikelet: 2

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: > 1/2 from base

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