



Plants
Agroscope technical sheets | N°46 / 2016
Varietal sheet | Oat

Persane

Avena sativa L.

Country of origin: Netherlands

Passport

Variety name: Persane
Variety status: Advanced cultivar
Region:
Accession number: AV0020
Accession name: Persanne
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



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: 110

Number of grains in spikelet: 2-3

Kernel covering: Yes

Lemma color: White

Awn type: Straight

Position of awn insertion: > ½ from base

Impressum

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

² Reference varieties: Expander, Ebène and Triton.

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