



Plants  
Agroscope technical sheets | N°15 / 2016  
Varietal sheet | Oat

# Local 5

*Avena sativa* L. var. *aurea*

Country of origin: Switzerland

## Passport

**Variety name:** Local  
**Variety status:** Traditional cultivar  
**Region:**  
**Accession number:** AV0010  
**Accession name:** Local  
**Acquisition date:** 2012  
**Donor name:** Vavilov Institute  
**Donor number:** 7867  
**Remarks:** Swiss local accession collected in 1930 and stored until 2012 in Vavilov Institute



## Physiologic characterization

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

**Type:** Spring  
**Precocity:** 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:**  
**Mycotoxin content:**

## Diseases sensitivity

*Notations:*

**Puccinia coronata:**  
**Puccinia graminis:**

## Particular remarks



## Morphologic characterization<sup>1</sup>

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 <sup>2</sup>                     |   |   |   | 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 <sup>2</sup>                     |   |   |   |   | X |   |   |   |   |   |
| 6.1.2.  | Width of second leaf from top  | at widest point and relative to reference varieties <sup>2</sup> |   |   |   |   |   |   | X |   |   |   |
| 6.1.3.  | Number of tillers              | relative to reference varieties <sup>2</sup>                     |   |   |   |   | X |   |   |   |   |   |
| 6.1.4.  | Number of fertile tillers      | relative to reference varieties <sup>2</sup>                     |   |   |   |   | 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 color<sup>3</sup>



Leaf color<sup>3</sup>



Straw color<sup>3</sup>

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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<sup>1</sup> Descriptors from IBPGR document "Oat descriptors", Rome 1985.

<sup>2</sup> Reference varieties: Expander, Ebène and Triton.

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