



Plants  
Agroscope technical sheets | N°25 / 2016  
Varietal sheet | 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 Saatzeitgesellschaft  
GmbH 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 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>

<b>Shape of panicle:</b>	Equilateral	<b>Kernel covering:</b>	Yes
<b>Waxiness of the panicle:</b>	No	<b>Lemma color:</b>	Yellow
<b>Number of seeds in panicle:</b>	90	<b>Awn type:</b>	Straight
<b>Number of grains in spikelet:</b>	3	<b>Position of awn insertion:</b>	> ½ from base

#### Impressum

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

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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.