**WINTER OATS**

**CHARACTERS IN DETAIL**

**Panicle**
- Type: equilateral
- Branch Attitude: horizontal

**Spikelets**
- Attitude: pendulous
- Frequency of 3-grain spikelets: absent

**Awns**
- Abundance: absent or very weak

**Glumes**
- Length: medium
- Glaucosity: absent or very weak

**Primary Grain**
- Husk: present
- Lemma - glaucosity - intensity: absent or very weak
- Lemma - colour: white
- Lemma - length: medium to long
- Lemma - hairiness of back: n/a
- Basal hairs - length: medium
- Rachilla - length: medium

**Culm**
- Upper culm node hairs - presence: absent
- Upper culm node hairs - intensity: n/a

**Plant growth characters**
- Plant - growth habit: semi-erect
- Lower leaves - hairiness of sheaths: medium to strong
- Leaf blade - hairiness of leaf margin below flag: medium
- Plant - height (stem and panicle): medium
- Time of panicle emergence: medium
**WINTER OATS**

**BASTION**

**CHARACTERS IN DETAIL**

**Panicle**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>equilateral</td>
</tr>
<tr>
<td>Branch Attitude</td>
<td>semi-erect to horizontal</td>
</tr>
</tbody>
</table>

**Spikelets**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attitude</td>
<td>Frequency of 3-grain spikelets</td>
</tr>
</tbody>
</table>

**Awns**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abundance</td>
<td>medium</td>
</tr>
</tbody>
</table>

**Glumes**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>medium</td>
</tr>
<tr>
<td>Glaucosity</td>
<td>weak</td>
</tr>
</tbody>
</table>

**Primary Grain**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Husk</td>
<td>absent (naked type)</td>
</tr>
<tr>
<td>Lemma - glaucosity - intensity</td>
<td>n/a</td>
</tr>
<tr>
<td>Lemma - colour</td>
<td>n/a</td>
</tr>
<tr>
<td>Lemma - length</td>
<td>n/a</td>
</tr>
<tr>
<td>Lemma - hairiness of back</td>
<td>n/a</td>
</tr>
<tr>
<td>Basal hairs - length</td>
<td>n/a</td>
</tr>
<tr>
<td>Rachilla - length</td>
<td>medium</td>
</tr>
</tbody>
</table>

**Culm**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper culm node hairs - presence</td>
<td>absent</td>
</tr>
<tr>
<td>Upper culm node hairs - intensity</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**Plant growth characters**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant - growth habit</td>
<td>semi-erect</td>
</tr>
<tr>
<td>Lower leaves - hairiness of sheaths</td>
<td>weak</td>
</tr>
<tr>
<td>Leaf blade - hairiness of leaf margin below flag</td>
<td>weak to medium</td>
</tr>
<tr>
<td>Plant - height (stem and panicle)</td>
<td>medium</td>
</tr>
<tr>
<td>Time of panicle emergence</td>
<td>early to medium</td>
</tr>
</tbody>
</table>
WINTER OATS

BEACON

CHARACTERS IN DETAIL

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Panicle</strong></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>equilateral</td>
</tr>
<tr>
<td>Branch Attitude</td>
<td>semi-erect</td>
</tr>
<tr>
<td><strong>Spikelets</strong></td>
<td></td>
</tr>
<tr>
<td>Attitude</td>
<td>Frequency of 3-grain spikelets</td>
</tr>
<tr>
<td><strong>Awns</strong></td>
<td></td>
</tr>
<tr>
<td>Abundance</td>
<td>medium</td>
</tr>
<tr>
<td><strong>Glumes</strong></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>medium to long</td>
</tr>
<tr>
<td>Glaucosity</td>
<td>weak</td>
</tr>
<tr>
<td><strong>Primary Grain</strong></td>
<td></td>
</tr>
<tr>
<td>Husk</td>
<td>absent (naked type)</td>
</tr>
<tr>
<td>Lemma - glaucosity - intensity</td>
<td>n/a</td>
</tr>
<tr>
<td>Lemma - colour</td>
<td>n/a</td>
</tr>
<tr>
<td>Lemma - length</td>
<td>n/a</td>
</tr>
<tr>
<td>Lemma - hairiness of back</td>
<td>n/a</td>
</tr>
<tr>
<td>Basal hairs - length</td>
<td>n/a</td>
</tr>
<tr>
<td>Rachilla - length</td>
<td>medium to long</td>
</tr>
<tr>
<td><strong>Culm</strong></td>
<td></td>
</tr>
<tr>
<td>Upper culm node hairs - presence</td>
<td>present</td>
</tr>
<tr>
<td>Upper culm node hairs - intensity</td>
<td>strong</td>
</tr>
<tr>
<td><strong>Plant growth characters</strong></td>
<td></td>
</tr>
<tr>
<td>Plant - growth habit</td>
<td>semi-erect</td>
</tr>
<tr>
<td>Lower leaves - hairiness of sheaths</td>
<td>weak to medium</td>
</tr>
<tr>
<td>Leaf blade - hairiness of leaf margin below flag</td>
<td>weak to medium</td>
</tr>
<tr>
<td>Plant - height (stem and panicle)</td>
<td>medium to long</td>
</tr>
<tr>
<td>Time of panicle emergence</td>
<td>medium</td>
</tr>
</tbody>
</table>
**WINTER OATS**

**CHARACTERS IN DETAIL**

**Panicle**
- **Type**: equilateral
- **Branch Attitude**: horizontal

**Spikelets**
- **Attitude**: horizontal
- **Frequency of 3-grain spikelets**: absent

**Awsn**
- **Abundance**: very weak

**Glumes**
- **Length**: medium to long
- **Glaucomity**: strong

**Primary Grain**
- **Husk**: present
- **Lemma - glaucomity - intensity**: very weak
- **Lemma - colour**: white
- **Lemma - length**: short to medium
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: short-medium
- **Rachilla - length**: short to medium

**Culm**
- **Upper culm node hairs - presence**: present
- **Upper culm node hairs - intensity**: strong

**Plant growth characters**
- **Plant - growth habit**: semi-erect to intermediate
- **Lower leaves - hairiness of sheaths**: medium
- **Leaf blade - hairiness of leaf margin below flag**: medium
- **Plant - height (stem and panicle)**: very short
- **Time of panicle emergence**: late to very late
### CHARACTERS IN DETAIL

#### Panicle
- **Type**
- **Branch Attitude** semi-erect

#### Spikelets
- **Attitude**
- **Frequency of 3-grain spikelets**

#### Awns
- **Abundance** weak

#### Glumes
- **Length** medium to long
- **Glaucosity** weak to medium

#### Primary Grain
- **Husk** present
- **Lemma - glaucosity - intensity** absent or very weak
- **Lemma - colour** yellow
- **Lemma - length** medium to long
- **Lemma - hairiness of back** n/a
- **Basal hairs - length** medium
- **Rachilla - length** medium

#### Culm
- **Upper culm node hairs - presence** present
- **Upper culm node hairs - intensity** medium

#### Plant growth characters
- **Plant - growth habit** semi-erect
- **Lower leaves - hairiness of sheaths** very weak
- **Leaf blade - hairiness of leaf margin below flag** weak
- **Plant - height (stem and panicle)** medium
- **Time of panicle emergence** late
### WINTER OATS

**CHARACTERS IN DETAIL**

#### Panicle
- **Type**: equilateral
- **Branch Attitude**: horizontal

#### Spikelets
- **Attitude**: horizontal
- **Frequency of 3-grain spikelets**: absent to few

#### Awns
- **Abundance**: weak

#### Glumes
- **Length**: medium
- **Glaucosity**: medium to strong

#### Primary Grain
- **Husk**: present
- **Lemma - glaucosity - intensity**: absent or very weak
- **Lemma - colour**: white
- **Lemma - length**: medium
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: short
- **Rachilla - length**: medium to long

#### Culm
- **Upper culm node hairs - presence**: absent
- **Upper culm node hairs - intensity**: medium

### Plant growth characters
- **Plant - growth habit**: semi-erect
- **Lower leaves - hairiness of sheaths**: weak to medium
- **Leaf blade - hairiness of leaf margin below flag**: weak to medium
- **Plant - height (stem and panicle)**: medium
- **Time of panicle emergence**: early to medium
CHARACTERS IN DETAIL

Panicle
Type
Branch Attitude semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance weak

Glumes
Length medium
Glaucoarcy medium

Primary Grain
Husk present
Lemma - glaucosity - intensity absent or very weak
Lemma - colour white
Lemma - length short to medium
Lemma - hairiness of back n/a
Basal hairs - length short-medium
Rachilla - length medium

Culm
Upper culm node hairs - presence absent
Upper culm node hairs - intensity n/a

Plant growth characters
Plant - growth habit semi-erect
Lower leaves - hairiness of sheaths absent
Leaf blade - hairiness of leaf margin below flag absent or very weak
Plant - height (stem and panicle) short to medium
Time of panicle emergence medium
**WINTER OATS**

**WINTER OATS**

**CHARACTERS IN DETAIL**

**Panicle**
- Type
- Branch Attitude: semi-erect

**Spikelets**
- Attitude
- Frequency of 3-grain spikelets

**Awns**
- Abundance: very weak

**Glumes**
- Length
- Glaucosity: medium to strong

**Primary Grain**
- Husk: present
- Lemma - glaucosity - intensity: absent or very weak
- Lemma - colour: yellow
- Lemma - length: medium
- Lemma - hairiness of back: absent
- Basal hairs - length: n/a
- Rachilla - length: medium

**Culm**
- Upper culm node hairs - presence: present
- Upper culm node hairs - intensity: medium

**Plant growth characters**
- Plant - growth habit: semi-erect to intermediate
- Lower leaves - hairiness of sheaths: weak to medium
- Leaf blade - hairiness of leaf margin below flag: absent or very weak
- Plant - height (stem and panicle): medium to long
- Time of panicle emergence: early to medium
CHARACTERS IN DETAIL

Panicle
Type: equilateral
Branch Attitude: drooping

Spikelets
Attitude
Frequency of 3-grain spikelets: medium

Awns
Abundance: very weak

Glumes
Length: long
Glaucosity: weak to medium

Primary Grain
Husk
Lemma - glaucosity - intensity
Lemma - colour
Lemma - length: long
Lemma - hairiness of back: absent
Basal hairs - length
Rachilla - length: long

Culm
Upper culm node hairs - presence: absent
Upper culm node hairs - intensity

Plant growth characters
Plant - growth habit: intermediate
Lower leaves - hairiness of sheaths: absent
Leaf blade - hairiness of leaf margin below flag: medium
Plant - height (stem and panicle): medium
Time of panicle emergence: early
CHARACTERS IN DETAIL

Panicle
Type equilateral
Branch Attitude semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance very weak

Glumes
Length medium
Glauosity medium to strong

Primary Grain
Husk present
Lemma - glaucosity - intensity absent or very weak
Lemma - colour yellow
Lemma - length medium
Lemma - hairiness of back absent
Basal hairs - length medium-long
Rachilla - length medium

Culm
Upper culm node hairs - presence present
Upper culm node hairs - intensity medium

Plant growth characters
Plant - growth habit semi-erect to intermediate
Lower leaves - hairiness of sheaths medium
Leaf blade - hairiness of leaf margin below flag absent or very weak
Plant - height (stem and panicle) short
Time of panicle emergence medium
### CHARACTERS IN DETAIL

#### Panicle
- **Type**: equilateral
- **Branch Attitude**: horizontal

#### Spikelets
- **Attitude**: pendulous
- **Frequency of 3-grain spikelets**: occasional

#### Awns
- **Abundance**: absent or very weak

#### Glumes
- **Length**: medium to long
- **Glaucosity**: absent or very weak

#### Primary Grain
- **Husk**: absent (naked type)
- **Lemma - glaucosity - intensity**: n/a
- **Lemma - colour**: n/a
- **Lemma - length**: n/a
- **Lemma - hairiness of back**: n/a
- **Basal hairs - length**: n/a
- **Rachilla - length**: long

#### Culm
- **Upper culm node hairs - presence**: absent
- **Upper culm node hairs - intensity**: n/a

#### Plant growth characters
- **Plant - growth habit**: semi-erect to intermediate
- **Lower leaves - hairiness of sheaths**: medium
- **Leaf blade - hairiness of leaf margin below flag**: medium
- **Plant - height (stem and panicle)**: short
- **Time of panicle emergence**: medium
WINTER OATS

GERALD

CHARACTERS IN DETAIL

Panicle
Type: equilateral
Branch Attitude: horizontal to drooping

Spikelets
Attitude: 
Frequency of 3-grain spikelets: absent or very few

Awns
Abundance: weak

Glumes
Length: medium
Glaucoacy: absent or very weak

Primary Grain
Husk: present
Lemma - glaucocy - intensity: absent
Lemma - colour: white
Lemma - length: medium to long
Lemma - hairiness of back: absent
Basal hairs - length: short-medium
Rachilla - length: medium

Culm
Upper culm node hairs - presence: absent
Upper culm node hairs - intensity: 

Plant growth characters
Plant - growth habit: intermediate
Lower leaves - hairiness of sheaths: medium
Leaf blade - hairiness of leaf margin below flag: strong
Plant - height (stem and panicle): short to medium
Time of panicle emergence: late to very late
### WINTER OATS

**GRAFTON**

#### CHARACTERS IN DETAIL

**Panicle**
- **Type**: equilateral
- **Branch Attitude**: drooping

**Spikelets**
- **Attitude**: numerous

**Awns**
- **Abundance**: weak

**Glumes**
- **Length**: short to medium
- **Glaucosity**: very weak

**Primary Grain**
- **Husk**: absent (naked type)
- **Lemma - glaucosity - intensity**: absent or very weak
- **Lemma - colour**: white
- **Lemma - length**: medium
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: n/a
- **Rachilla - length**: short

**Culm**
- **Upper culm node hairs - presence**: absent
- **Upper culm node hairs – intensity**: n/a

**Plant growth characters**
- **Plant - growth habit**: semi-erect to intermediate
- **Lower leaves - hairiness of sheaths**: medium
- **Leaf blade - hairiness of leaf margin below flag**: medium
- **Plant - height (stem and panicle)**: short to medium
- **Time of panicle emergence**: early to medium
# WINTER OATS

## Characters in Detail

### Panicle
- **Type**: semi-erect to horizontal

### Spikelets
- **Attitude and Frequency of 3-grain spikelets**

### Awns
- **Abundance**: weak

### Glumes
- **Length**: medium
- **Glaucosity**: weak to medium

### Primary Grain
- **Husk**: present
- **Lemma - glaucosity - intensity**: absent or very weak
- **Lemma - colour**: yellow
- **Lemma - length**: medium to long
- **Lemma - hairiness of back**: n/a
- **Basal hairs - length**: medium-long
- **Rachilla - length**: medium

### Culm
- **Upper culm node hairs - presence**: present
- **Upper culm node hairs - intensity**: medium to strong

### Plant Growth Characters
- **Plant - growth habit**: semi-erect to intermediate
- **Lower leaves - hairiness of sheaths**: very weak
- **Leaf blade - hairiness of leaf margin below flag**: very weak to weak
- **Plant - height (stem and panicle)**: medium to long
- **Time of panicle emergence**: late
CHARACTERS IN DETAIL

Panicle
Type equilateral
Branch Attitude horizontal to drooping

Spikelets
Attitude
Frequency of 3-grain spikelets very numerous

Awns
Abundance very weak

Glumes
Length medium
Glaucoesity very weak

Primary Grain
Husk absent (naked type)
Lemma - glaucoesity - intensity medium
Lemma - colour white
Lemma - length long
Lemma - hairiness of back absent
Basal hairs - length n/a
Rachilla - length long

Culm
Upper culm node hairs - presence absent
Upper culm node hairs - intensity n/a

Plant growth characters
Plant - growth habit intermediate
Lower leaves - hairiness of sheaths very weak
Leaf blade - hairiness of leaf margin below flag medium to strong
Plant - height (stem and panicle) very short
Time of panicle emergence medium to late
CHARACTERS IN DETAIL

Panicle
Type equilateral
Branch Attitude drooping

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance medium to strong

Glumes
Length medium
Glaucosity absent or very weak

Primary Grain
Husk present
Lemma - glaucosity - intensity
Lemma - colour white
Lemma - length medium
Lemma - hairiness of back absent
Basal hairs - length short-medium
Rachilla - length medium

Culm
Upper culm node hairs - presence absent
Upper culm node hairs - intensity

Plant growth characters
Plant - growth habit intermediate to semi-prostrate
Lower leaves - hairiness of sheaths medium
Leaf blade - hairiness of leaf margin below flag medium
Plant - height (stem and panicle) short
Time of panicle emergence medium to late
CHARACTERS IN DETAIL

Panicle
Type: equilateral
Branch Attitude: horizontal to drooping

Spikelets
Attitude: Frequency of 3-grain spikelets

Awns
Abundance: absent or very weak

Glumes
Length: medium to long
Glaucosity: weak to medium

Primary Grain
Husk: present
Lemma - glaucosity - intensity: medium to strong
Lemma - colour: white
Lemma - length: medium to long
Lemma - hairiness of back: absent
Basal hairs - length: short-medium
Rachilla - length: short to medium

Culm
Upper culm node hairs - presence: absent
Upper culm node hairs - intensity

Plant growth characters
Plant - growth habit: semi-erect to intermediate
Lower leaves - hairiness of sheaths: medium to strong
Leaf blade - hairiness of leaf margin below flag: medium
Plant - height (stem and panicle): medium
Time of panicle emergence: medium to late
## CHARACTERS IN DETAIL

### Panicle
- **Type**: equilateral
- **Branch Attitude**: horizontal to drooping

### Spikelets
- **Attitude**: absent to few
- **Frequency of 3-grain spikelets**: absent to few

### Awns
- **Abundance**: weak to medium

### Glumes
- **Length**: medium
- **Glaucosity**: weak to medium

### Primary Grain
- **Husk**: present
- **Lemma - glaucosity - intensity**: absent or very weak
- **Lemma - colour**: white
- **Lemma - length**: medium to long
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: short
- **Rachilla - length**: short to medium

### Culm
- **Upper culm node hairs - presence**: absent
- **Upper culm node hairs - intensity**: n/a

### Plant growth characters
- **Plant - growth habit**: intermediate
- **Lower leaves - hairiness of sheaths**: weak
- **Leaf blade - hairiness of leaf margin below flag**: medium to strong
- **Plant - height (stem and panicle)**: long
- **Time of panicle emergence**: medium
CHARACTERS IN DETAIL

**Panicle**
- Type: equilateral
- Branch Attitude: semi-erect

**Spikelets**
- Attitude: Frequency of 3-grain spikelets

**Awns**
- Abundance: very weak

**Glumes**
- Length: short to medium
- Glaucosity: weak to medium

**Primary Grain**
- Husk: present
- Lemma - glaucosity - intensity: absent or very weak
- Lemma - colour: white
- Lemma - length: short
- Lemma - hairiness of back: absent
- Basal hairs - length: short-medium
- Rachilla - length: medium

**Culm**
- Upper culm node hairs - presence: present
- Upper culm node hairs - intensity: medium

**Plant growth characters**
- Plant - growth habit: semi-erect to intermediate
- Lower leaves - hairiness of sheaths: weak to medium
- Leaf blade - hairiness of leaf margin below flag: absent or very weak
- Plant - height (stem and panicle): short
- Time of panicle emergence: early to medium
## CHARACTERS IN DETAIL

### Panicle
- **Type**: equilateral
- **Branch Attitude**: horizontal to drooping

### Spikelets
- **Attitude**: frequence of 3-grain spikelets: absent or very few

### Awns
- **Abundance**: weak

### Glumes
- **Length**: medium
- **Glauosity**: weak to medium

### Primary Grain
- **Husk**: present
- **Lemma - glauosity - intensity**: absent or very weak
- **Lemma - colour**: yellow
- **Lemma - length**: medium to long
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: absent
- **Rachilla - length**: medium

### Culm
- **Upper culm node hairs - presence**: present
- **Upper culm node hairs - intensity**: medium

### Plant growth characters
- **Plant - growth habit**: intermediate
- **Lower leaves - hairiness of sheaths**: weak
- **Leaf blade - hairiness of leaf margin below flag**: weak
- **Plant - height (stem and panicle)**: medium
- **Time of panicle emergence**: medium
## CHARACTERS IN DETAIL

### Panicle
- **Type**: equilateral
- **Branch Attitude**: semi-erect to horizontal

### Spikelets
- **Attitude**: Frequency of 3-grain spikelets

### Awns
- **Abundance**: strong

### Glumes
- **Length**: medium to long
- **Glaucosity**: medium

### Primary Grain
- **Husk**: absent (naked type)
- **Lemma - glaucosity - intensity**: n/a
- **Lemma - colour**: n/a
- **Lemma - length**: n/a
- **Lemma - hairiness of back**: n/a
- **Basal hairs - length**: n/a
- **Rachilla - length**: medium to long

### Culm
- **Upper culm node hairs - presence**: absent
- **Upper culm node hairs - intensity**: n/a

### Plant growth characters
- **Plant - growth habit**: semi-erect
- **Lower leaves - hairiness of sheaths**: medium
- **Leaf blade - hairiness of leaf margin below flag**: weak to medium
- **Plant - height (stem and panicle)**: short to medium
- **Time of panicle emergence**: late
## CHARACTERS IN DETAIL

<table>
<thead>
<tr>
<th>Character</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Panicle</strong></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>equilateral</td>
</tr>
<tr>
<td>Branch Attitude</td>
<td>drooping</td>
</tr>
<tr>
<td><strong>Spikelets</strong></td>
<td></td>
</tr>
<tr>
<td>Attitude</td>
<td>few</td>
</tr>
<tr>
<td>Frequency of 3-grain spikelets</td>
<td>few</td>
</tr>
<tr>
<td><strong>Awns</strong></td>
<td></td>
</tr>
<tr>
<td>Abundance</td>
<td>weak</td>
</tr>
<tr>
<td><strong>Glumes</strong></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>long</td>
</tr>
<tr>
<td>Glaucosity</td>
<td>medium</td>
</tr>
<tr>
<td><strong>Primary Grain</strong></td>
<td></td>
</tr>
<tr>
<td>Husk</td>
<td>present</td>
</tr>
<tr>
<td>Lemma - glaucosity - intensity</td>
<td>absent or very weak</td>
</tr>
<tr>
<td>Lemma - colour</td>
<td>yellow</td>
</tr>
<tr>
<td>Lemma - length</td>
<td>medium</td>
</tr>
<tr>
<td>Lemma - hairiness of back</td>
<td>absent</td>
</tr>
<tr>
<td>Basal hairs - length</td>
<td>medium</td>
</tr>
<tr>
<td>Rachilla - length</td>
<td>short to medium</td>
</tr>
<tr>
<td><strong>Culm</strong></td>
<td></td>
</tr>
<tr>
<td>Upper culm node hairs - presence</td>
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</tr>
<tr>
<td><strong>Plant growth characters</strong></td>
<td></td>
</tr>
<tr>
<td>Plant - growth habit</td>
<td>semi-erect to intermediate</td>
</tr>
<tr>
<td>Lower leaves - hairiness of sheaths</td>
<td>weak</td>
</tr>
<tr>
<td>Leaf blade - hairiness of leaf margin below flag</td>
<td>weak</td>
</tr>
<tr>
<td>Plant - height (stem and panicle)</td>
<td>short to medium</td>
</tr>
<tr>
<td>Time of panicle emergence</td>
<td>medium to late</td>
</tr>
</tbody>
</table>
CHARACTERS IN DETAIL

Panicle
Type
Branch Attitude       semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance            weak to medium

Glumes
Length               medium
Glaucosity            weak to medium

Primary Grain
Husk                  absent (naked type)
Lemma - glaucosity - intensity       n/a
Lemma - colour           n/a
Lemma - length            n/a
Lemma - hairiness of back
Basal hairs - length      n/a
Rachilla - length         short

Culm
Upper culm node hairs - presence present
Upper culm node hairs - intensity    medium

Plant growth characters
Plant - growth habit       semi-erect to intermediate
Lower leaves - hairiness of sheaths medium
Leaf blade - hairiness of leaf margin below flag absent or very weak
Plant - height (stem and panicle) medium
Time of panicle emergence  late
CHARACTERS IN DETAIL

Panicle
Type
Branch Attitude  semi-erect to horizontal

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance  very weak

Glumes
Length  medium
Glaucosity  weak

Primary Grain
Husk  present
Lemma - glaucosity - intensity  absent or very weak
Lemma - colour  white
Lemma - length  medium
Lemma - hairiness of back  n/a
Basal hairs - frequency  absent or very weak
Basal hairs - length  n/a
Rachilla - length  medium

Culm
Upper culm node hairs - presence  present
Upper culm node hairs - intensity  medium

Plant growth characters
Plant - growth habit  semi-erect to intermediate
Lower leaves - hairiness of sheaths  strong
Leaf blade - hairiness of leaf margin below flag  weak to medium
Plant - height (stem and panicle)  long
Time of panicle emergence  medium
### WINTER OATS

**RACOON**

#### CHARACTERS IN DETAIL

**Panicle**
- **Type:** equilateral
- **Branch Attitude:** horizontal

**Spikelets**
- **Attitude:**
- **Frequency of 3-grain spikelets**

**Awns**
- **Abundance:** very weak

**Glumes**
- **Length:** medium
- **Glaucosity:** weak to medium

**Primary Grain**
- **Husk:** absent (naked type)
- **Lemma - glaucosity - intensity:** absent or very weak
- **Lemma - colour:** white
- **Lemma - length:** medium
- **Lemma - hairiness of back:** absent
- **Basal hairs - length:**
- **Rachilla - length:** long

**Culm**
- **Upper culm node hairs - presence:** absent
- **Upper culm node hairs - intensity:** very weak

**Plant growth characters**
- **Plant - growth habit:** semi-erect to intermediate
- **Lower leaves - hairiness of sheaths:** absent
- **Leaf blade - hairiness of leaf margin below flag:** absent or very weak
- **Plant - height (stem and panicle):** long
- **Time of panicle emergence:** late
CHARACTERS IN DETAIL

Panicle
Type: equilateral
Branch Attitude: semi-erect

Spikelets
Attitude: Frequency of 3-grain spikelets

Awns
Abundance: weak to medium

Glumes
Length: medium
Glauosity: medium to strong

Primary Grain
Husk: present
Lemma - glaucosity - intensity: absent or very weak
Lemma - colour: white
Lemma - length: medium
Lemma - hairiness of back: absent
Basal hairs - length: medium
Rachilla - length: medium

Culm
Upper culm node hairs - presence: absent
Upper culm node hairs - intensity: n/a

Plant growth characters
Plant - growth habit: semi-erect
Lower leaves - hairiness of sheaths: strong
Leaf blade - hairiness of leaf margin below flag: absent or very weak
Plant - height (stem and panicle): short to medium
Time of panicle emergence: early to medium
WINTER OATS

RGT SOUTHWARK

CHARACTERS IN DETAIL

Panicle
Type
Branch Attitude semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance weak

Glumes
Length short to medium
Glaucosity weak to medium

Primary Grain
Husk present
Lemma - glaucosity - intensity absent or very weak
Lemma - colour white
Lemma - length short to medium
Lemma - hairiness of back n/a
Basal hairs - length medium
Rachilla - length medium

Culm
Upper culm node hairs - presence present
Upper culm node hairs - intensity medium

Plant growth characters
Plant - growth habit semi-erect
Lower leaves - hairiness of sheaths weak
Leaf blade - hairiness of leaf margin below flag very weak to weak
Plant - height (stem and panicle) medium
Time of panicle emergence early to medium
CHARACTERS IN DETAIL

Panicle
Type
Branch Attitude semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance very weak

Glumes
Length short to medium
Glaucosity weak to medium

Primary Grain
Husk present
Lemma - glaucosity - intensity absent or very weak
Lemma - colour white
Lemma - length short
Lemma - hairiness of back n/a
Basal hairs - length short-medium
Rachilla - length medium

Culm
Upper culm node hairs - presence absent
Upper culm node hairs - intensity n/a

Plant growth characters
Plant - growth habit semi-erect
Lower leaves - hairiness of sheaths absent
Leaf blade - hairiness of leaf margin below flag absent or very weak
Plant - height (stem and panicle) medium
Time of panicle emergence medium
WINTER OATS

CHARACTERS IN DETAIL

Panicle
Type equilateral
Branch Attitude semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance weak

Glumes
Length medium
Glauosity weak to medium

Primary Grain
Husk present
Lemma - glaucosity - intensity absent or very weak
Lemma - colour yellow
Lemma - length medium to long
Lemma - hairiness of back absent
Basal hairs - length n/a
Rachilla - length medium

Culm
Upper culm node hairs - presence absent
Upper culm node hairs - intensity n/a

Plant growth characters
Plant - growth habit semi-erect
Lower leaves - hairiness of sheaths weak
Leaf blade - hairiness of leaf margin below flag very weak to weak
Plant - height (stem and panicle) medium to long
Time of panicle emergence medium to late
## WINTER OATS

### CHARACTERS IN DETAIL

#### Panicle
- **Type**
- **Branch Attitude**: semi-erect

#### Spikelets
- **Attitude**
- **Frequency of 3-grain spikelets**

#### Awns
- **Abundance**: weak to medium

#### Glumes
- **Length**: medium
- **Glaucosity**: medium to strong

#### Primary Grain
- **Husk**: present
- **Lemma - glaucosity - intensity**: weak
- **Lemma - colour**: white
- **Lemma - length**: medium
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: medium
- **Rachilla - length**: medium

#### Culm
- **Upper culm node hairs - presence**: present
- **Upper culm node hairs - intensity**: weak

#### Plant growth characters
- **Plant - growth habit**: semi-erect
- **Lower leaves - hairiness of sheaths**: weak to medium
- **Leaf blade - hairiness of leaf margin below flag**: absent or very weak
- **Plant - height (stem and panicle)**: medium to long
- **Time of panicle emergence**: medium
### CHARACTERS IN DETAIL

**Panicle**
- **Type**: equilateral
- **Branch Attitude**: semi-erect

**Spikelets**
- **Attitude**: Frequency of 3-grain spikelets

**Awns**
- **Abundance**: very weak

**Glumes**
- **Length**: short to medium
- **Glaucescence**: medium

**Primary Grain**
- **Husk**: present
- **Lemma - glaucescence - intensity**: weak
- **Lemma - colour**: white
- **Lemma - length**: medium
- **Lemma - hairiness of back**: absent
- **Basal hairs - length**: medium
- **Rachilla - length**: short to medium

**Culm**
- **Upper culm node hairs - presence**: absent
- **Upper culm node hairs - intensity**: very weak

**Plant growth characters**
- **Plant - growth habit**: intermediate
- **Lower leaves - hairiness of sheaths**: weak to medium
- **Leaf blade - hairiness of leaf margin below flag**: medium
- **Plant - height (stem and panicle)**: short to medium
- **Time of panicle emergence**: early to medium
Variety Name: **Vodka**

**Breeder's Reference:** mh05hq11.2  
**Breeder:** SARL Adrien Momont et fils

**Code:** VODK

**AFP No:** 3/384  
**Translated from:** French

**Origin:**  
**Date:** 23 March 2017

**Plant - growth habit:** Semi erect to intermediate

**Lower leaves - hairiness of sheaths:** Absent or very weak

**Leaf blade - hairiness of leaf margins below flag leaf:** Very weak

**Time of panicle emergence:** Early to medium

**Plant - height (stem and panicle):** Medium

**Frequency of plants with recurved flag leaves:** Very low

**Flag leaf - glaucosity of sheath:** Absent

**Culm - hairiness of uppermost node:**

**Culm - intensity of hairiness of uppermost node:**

**Panicle - type:**

**Panicle - branch attitude:** Horizontal

**Panicle - length:** Medium

**Spikelets - attitude:**

**Spikelets - frequency 3- grained spikelets:**

**Glumes - glaucosity:** Weak to medium

**Glumes - fluorescence:** Medium

**Glumes - length:** Medium

**Primary grain - husk:**

**Primary grain - tip acuteness:** Absent or very weak

**Primary grain - tendency to be awned:** Weak to medium

**Primary grain - lemma length:** Short to medium

**Primary grain - lemma glaucosity:** White

**Primary grain - lemma hairiness of back (not white or Absent**

**Primary grain - basal hairs abundance:** Weak to medium

**Primary grain - basal hairs length:** Medium

**Primary grain - rachilla length:** Medium

**Primary grain - rachilla width:**

**Primary grain - rachilla grooves:**

**Primary grain - rachilla hairs:**

**Seasonal type:** Winter

* = Characteristics which should always be included in the description of the variety.  
28 March 2017
CHARACTERS IN DETAIL

Panicle
Type
Branch Attitude  semi-erect to horizontal

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance  weak to medium

Glumes
Length  medium
Glaucosity  medium

Primary Grain
Husk  present
Lemma - glaucosity - intensity  absent or very weak
Lemma - colour  white
 Lemma - length  short to medium
Lemma - hairiness of back  n/a
Basal hairs - length  medium-long
Rachilla - length  medium

Culm
Upper culm node hairs - presence  absent
Upper culm node hairs - intensity  n/a

Plant growth characters
Plant - growth habit  semi-erect
Lower leaves - hairiness of sheaths  medium
Leaf blade - hairiness of leaf margin below flag  very weak to weak
Plant - height (stem and panicle)  very short to short
Time of panicle emergence  late to very late