<table>
<thead>
<tr>
<th>Characters in Detail</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>horizontal</td>
</tr>
<tr>
<td><strong>Spikelets</strong></td>
<td></td>
</tr>
<tr>
<td>Attitude</td>
<td>pendulous</td>
</tr>
<tr>
<td>Frequency of 3-grain spikelets</td>
<td>absent</td>
</tr>
<tr>
<td><strong>Awns</strong></td>
<td></td>
</tr>
<tr>
<td>Abundance</td>
<td>absent or very weak</td>
</tr>
<tr>
<td><strong>Glumes</strong></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>medium</td>
</tr>
<tr>
<td>Glaucosity</td>
<td>absent or very weak</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>white</td>
</tr>
<tr>
<td>Lemma - length</td>
<td>medium to long</td>
</tr>
<tr>
<td>Lemma - hairiness of back</td>
<td>n/a</td>
</tr>
<tr>
<td>Basal hairs - length</td>
<td>medium</td>
</tr>
<tr>
<td>Rachilla - length</td>
<td>medium</td>
</tr>
<tr>
<td><strong>Culm</strong></td>
<td></td>
</tr>
<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>
<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>medium to strong</td>
</tr>
<tr>
<td>Leaf blade - hairiness of leaf margin below flag</td>
<td>medium</td>
</tr>
<tr>
<td>Plant - height (stem and panicle)</td>
<td>medium</td>
</tr>
<tr>
<td>Time of panicle emergence</td>
<td>medium</td>
</tr>
</tbody>
</table>
# BASTION

## CHARACTERS IN DETAIL

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

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

### Awns
- **Abundance**: medium

### Glumes
- **Length**: medium
- **Glaucosity**: 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**: 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**: weak to medium
- **Plant - height (stem and panicle)**: medium
- **Time of panicle emergence**: early to medium
CHARACTERS IN DETAIL

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

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

**Awns**
- Abundance: medium

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

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

**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 to long
- Time of panicle emergence: medium
CHARACTERS IN DETAIL

Panicle
Type equilateral
Branch Attitude horizontal

Spikelets
Attitude
Frequency of 3-grain spikelets absent

Awns
Abundance very weak

Glumes
Length medium to long
Glaucosity strong

Primary Grain
Husk present
Lemma - glaucosity - 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**: 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**: absent

#### 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  very weak

Glumes
Length  medium
Glauccosity  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**: horizontal

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

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

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

Primary Grain
Husk: present
Lemma - glaucosity – 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
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</tr>
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<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></td>
</tr>
<tr>
<td>Frequency of 3-grain spikelets</td>
<td>numerous</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>short to medium</td>
</tr>
<tr>
<td>Glaucosity</td>
<td>very weak</td>
</tr>
<tr>
<td><strong>Primary Grain</strong></td>
<td></td>
</tr>
<tr>
<td>Husk</td>
<td>absent (naked type)</td>
</tr>
<tr>
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</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></td>
</tr>
<tr>
<td>Rachilla - length</td>
<td>short</td>
</tr>
<tr>
<td><strong>Culm</strong></td>
<td></td>
</tr>
<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>
<tr>
<td><strong>Plant growth characters</strong></td>
<td></td>
</tr>
<tr>
<td>Plant - growth habit</td>
<td>semi-erect to intermediate</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Plant - height (stem and panicle)</td>
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</tr>
<tr>
<td>Time of panicle emergence</td>
<td>early to medium</td>
</tr>
</tbody>
</table>
**CHARACTERS IN DETAIL**

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

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

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

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

**Primary Grain**
- **Husk**: absent (naked type)
- **Lemma - glaucosity - 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**: horizontal to drooping

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

## 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**: absent
- **Basal hairs - length**:
- **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

Panicle
Type: equilateral
Branch Attitude: semi-erect

Spikelets
Attitude
Frequency of 3-grain spikelets

Awns
Abundance: weak

Glumes
Length: medium
Glaucoity: 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
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