

ACCLAIM

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | tapering |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

ACOUSTIC

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

ACUMEN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

ALVESTON**CHARACTERS IN DETAIL****Ear**

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

Variety Name: **Amalika**

Crop:

Breeders Reference:

AFP No: 2/2703

Breeder: nordic Seed A/S

Translated from: Danish

Origin:

Date: 23 March 2015

Code: AMAL

| | |
|--|--------------------------------|
| *Plant - growth habit: | Intermediate to semi prostrate |
| *Lower leaves - hairiness of leaf sheaths: | Absent |
| *Time of ear emergence: | |
| *Flag leaf- anthocyanin colouration of auricles: | Strong |
| Frequency of plants with recurved flag leaves: | Low |
| Flag leaf- glaucosity of sheath: | Strong to very strong |
| *Ear- glaucosity: | Strong to very strong |
| Ear- attitude: | Horizontal to semi recurved |
| Ear- length: | |
| *Ear- number of rows: | Two |
| *Ear- density: | Medium to dense |
| Ear- shape: | Parallel |
| *Awn- anthocyanin colouration of the tips: | |
| *Awn- length compared to ear: | Medium |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | Non or rudimentary |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | Equal |
| Lemma nerves- anthocyanin colouration: | Medium |
| *Plant height: | Medium |
| Collar type: | |
| Rachis- length of first segment: | Short |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | Whitish |
| *Grain- rachilla hair type: | Long |
| Grain- rachilla length: | |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | |
| Grain- spiculation of outer lateral nerves: | |
| Grain- anthocyanin colouration of lemma nerves: | Medium |
| *Grain- ventral furrow - presence of hairs: | Absent |
| *Grain- husk: | Present |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | Clasping |
| *Seasonal type: | Spring |
| Extra characters: | |

* = Characteristics which should always be included in the description of the variety.

30 March 2015

ARMADA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium to dense |
| Length | long |
| Shape | tapering |

Awn

| | |
|------------------------|-----------------------------------|
| Length compared to ear | medium (+/- equal to ear) to long |
|------------------------|-----------------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | frontal ("bib" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | strong |
| Awn tips | strong to very strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong to very strong |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

ARTISAN**CHARACTERS IN DETAIL****Ear**

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

ARTEMIDA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax |
| Length | medium to long |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

AVALON

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------------|
| Length compared to ear | medium (+/- equal to ear) |
|------------------------|---------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

BELGRAVIA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | long |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | weak to medium |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | horizontal |

BOGART

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

BRIONI

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|--------|
| Length compared to ear | medium |
|------------------------|--------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | semi-erect |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

BUNTING

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | weak to medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

CHA CHA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------------|
| Length compared to ear | medium (+/- equal to ear) |
|------------------------|---------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | strong to very strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | horizontal to semi-recurved |

CHANTAL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

CHAPEAU

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | horizontal to semi-recurved |

CHARMAY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium to dense |
| Length | long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------------|
| Length compared to ear | medium (+/- equal to ear) |
|------------------------|---------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | short |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | strong to very strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong to very strong |
| Ear - attitude 21 days after ear emerg. | semi-recurved |

CHECKMATE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | dense |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

CHEERIO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | short |
| Curvature of first segment | medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | very strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | strong to very strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | strong to very strong |
| Ear - attitude 21 days after ear emerg. | horizontal to semi-recurved |

CHILL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | short |
| Curvature of first segment | medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | horizontal |

CHRONICLE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

COCKTAIL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

CONCERTO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------|
| Kernel - colour of aleurone layer | weakly coloured |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | v. weak to weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | weak |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

CONTENDER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

Variety Name: **Cristalia**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Ets Claude Camille Benoist SA

Translated from: French

Origin:

Date: 25 March 2004

Code: CRST

| | |
|--|---|
| *Plant - growth habit: | intermediate |
| *Lower leaves - hairiness of leaf sheaths: | absent |
| *Time of ear emergence: | medium |
| *Flag leaf- anthocyanin colouration of auricles: | medium to strong |
| Frequency of plants with recurved flag leaves: | low to medium |
| Flag leaf- glaucosity of sheath: | strong |
| *Ear- glaucosity: | strong |
| Ear- attitude: | horizontal |
| Ear- length: | long |
| *Ear- number of rows: | two |
| *Ear- density: | medium |
| Ear- shape: | parallel |
| *Awn- anthocyanin colouration of the tips: | medium |
| *Awn- length compared to ear: | medium (+/- equal to ear) |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | divergent |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | equal |
| Lemma nerves- anthocyanin colouration: | |
| *Plant height: | medium |
| Collar type: | |
| Rachis- length of first segment: | medium |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | weak to medium |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | whitish ("white") |
| *Grain- rachilla hair type: | long |
| Grain- rachilla length: | medium |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | absent or very weak (0-2 per nerve) |
| Grain- spiculation of outer lateral nerves: | shallow |
| Grain- anthocyanin colouration of lemma nerves: | medium to strong |
| *Grain- ventral furrow - presence of hairs: | absent |
| *Grain- husk: | present |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | clasping ("collar" type) |
| *Seasonal type: | spring |
| Extra characters: | Awn: spicules central nerve partially spiculate; 10to 2 cm bare at the base. Rachilla length relative to the rachis segment medium to long. |

* = Characteristics which should always be included in the description of the variety.

30 March 2015

CROONER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|---------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | absent or very weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

CUPITO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|--------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|-----------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | horizontal |

DANDY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | short |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | erect to semi-erect |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

DEVERON

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|---------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | absent or very weak |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

DEFENDER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|----------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

DOYEN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium to long |
| Shape | tapering to parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------|
| Plant - growth habit | semi-erect |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

DRAGOON

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

Variety Name: **EVERGREEN**

Crop:

Breeders Reference:

AFP No:

Breeder: NORDIC SEED A/S

Translated from:

Origin: Br6920b115*QUENCH

Date: 29 July 2013

Code: EVER

| | |
|--|--------------------------------|
| *Plant - growth habit: | Intermediate to semi prostrate |
| *Lower leaves - hairiness of leaf sheaths: | Absent |
| *Time of ear emergence: | Medium |
| *Flag leaf- anthocyanin colouration of auricles: | Strong to very strong |
| Frequency of plants with recurved flag leaves: | Medium |
| Flag leaf- glaucosity of sheath: | Strong |
| *Ear- glaucosity: | Strong |
| Ear- attitude: | Horizontal |
| Ear- length: | Medium |
| *Ear- number of rows: | Two |
| *Ear- density: | Lax to medium |
| Ear- shape: | Parallel |
| *Awn- anthocyanin colouration of the tips: | Strong |
| *Awn- length compared to ear: | Medium to long |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | Divergent |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | Equal |
| Lemma nerves- anthocyanin colouration: | Medium to strong |
| *Plant height: | Medium |
| Collar type: | |
| Rachis- length of first segment: | Short |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | Medium |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | Whitish |
| *Grain- rachilla hair type: | Long |
| Grain- rachilla length: | |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | Absent or very weak |
| Grain- spiculation of outer lateral nerves: | |
| Grain- anthocyanin colouration of lemma nerves: | Medium to strong |
| *Grain- ventral furrow - presence of hairs: | Absent |
| *Grain- husk: | Present |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | Clasping |
| *Seasonal type: | Spring |
| Extra characters: | |

* = Characteristics which should always be included in the description of the variety.

30 March 2015

Variety Name: **Explorer**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Secobra Recherches

Translated from: French

Origin:

Date: 11 March 2014

Code: EXPL

| | |
|--|--------------------------|
| *Plant - growth habit: | Intermediate |
| *Lower leaves - hairiness of leaf sheaths: | Absent |
| *Time of ear emergence: | Early to medium |
| *Flag leaf- anthocyanin colouration of auricles: | Strong to very strong |
| Frequency of plants with recurved flag leaves: | Medium |
| Flag leaf- glaucosity of sheath: | Strong to very strong |
| *Ear- glaucosity: | Absent or very weak |
| Ear- attitude: | Semi erect to horizontal |
| Ear- length: | Short to medium |
| *Ear- number of rows: | Two |
| *Ear- density: | Medium |
| Ear- shape: | Parallel |
| *Awn- anthocyanin colouration of the tips: | Medium to strong |
| *Awn- length compared to ear: | Medium to long |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | Equal |
| Lemma nerves- anthocyanin colouration: | |
| *Plant height: | |
| Collar type: | |
| Rachis- length of first segment: | Medium |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | Medium |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | Whitish |
| *Grain- rachilla hair type: | Long |
| Grain- rachilla length: | |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | Absent or very weak |
| Grain- spiculation of outer lateral nerves: | |
| Grain- anthocyanin colouration of lemma nerves: | Medium to strong |
| *Grain- ventral furrow - presence of hairs: | Absent |
| *Grain- husk: | Present |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | Clasping |
| *Seasonal type: | Spring |
| Extra characters: | |

* = Characteristics which should always be included in the description of the variety.

30 March 2015

FEALTY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering to parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

FORENSIC

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|------------------------------|
| Sterile spikelet - attitude | parallel to weakly divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-----------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | v. weak to weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|--------------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

GARNER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

GLASSEL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | tapering to parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

GOLDEN PROMISE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|--------------------------|
| Length compared to ear | short (shorter than ear) |
|------------------------|--------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | very weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | frontal ("bib" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|-----------------|
| Plant - growth habit | erect |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

HACKER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

HAVEN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|----------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

HEMINGWAY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | weak |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

HUSKY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | very weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|-----------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

INFINIUM

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

INTREPID

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

Variety Name: **Invictus**

Crop:

Breeders Reference:

AFP No: 2/2681

Breeder: Sejt Planteformaedling I/S

Translated from: Dutch

Origin:

Date: 23 March 2015

Code: Invi

| | |
|--|-----------------------------|
| *Plant - growth habit: | Immediate to semi prostrate |
| *Lower leaves - hairiness of leaf sheaths: | |
| *Time of ear emergence: | |
| *Flag leaf- anthocyanin colouration of auricles: | Strong |
| Frequency of plants with recurved flag leaves: | Medium |
| Flag leaf- glaucosity of sheath: | Strong to very strong |
| *Ear- glaucosity: | Strong to very strong |
| Ear- attitude: | Horizontal to semi recurved |
| Ear- length: | Medium |
| *Ear- number of rows: | Two |
| *Ear- density: | Lax to medium |
| Ear- shape: | Parallel |
| *Awn- anthocyanin colouration of the tips: | |
| *Awn- length compared to ear: | |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | Non or rudimentary |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | |
| Lemma nerves- anthocyanin colouration: | Medium |
| *Plant height: | Medium |
| Collar type: | |
| Rachis- length of first segment: | |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | Whitish |
| *Grain- rachilla hair type: | Short |
| Grain- rachilla length: | |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | Absent or very weak |
| Grain- spiculation of outer lateral nerves: | |
| Grain- anthocyanin colouration of lemma nerves: | |
| *Grain- ventral furrow - presence of hairs: | Absent |
| *Grain- husk: | Present |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | |
| *Seasonal type: | Spring |
| Extra characters: | |

* = Characteristics which should always be included in the description of the variety.

30 March 2015

KELIM

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

KERSTIN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|-----------------------|
| Plant - growth habit | semi-prostrate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | strong to very strong |
| Ear - attitude 21 days after ear emerg. | horizontal |

KWS AURELIA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

KWS IRINA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------------|
| Length compared to ear | medium (+/- equal to ear) |
|------------------------|---------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

KWS LENNOX

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

KWS ORPHELIA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | tapering |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

KWS SASSY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

KWS SPECTRA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

KWS VITARA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|--------|
| Length compared to ear | medium |
|------------------------|--------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

LAUREATE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

MALT JAGGER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

MARACA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|-----------------|
| Plant - growth habit | semi-erect |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | horizontal |

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

MAYFLOWER**CHARACTERS IN DETAIL****Ear**

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | strong |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

MELIUS

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | weak to medium |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

MICKLE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

Variety Name: **Milford**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Saatzucht Josef Breun

Translated from: German

Origin:

Date: 15 September 2011

Code: MILF

| | |
|--|----------------------------|
| *Plant - growth habit: | Semi erect to intermediate |
| *Lower leaves - hairiness of leaf sheaths: | Absent |
| *Time of ear emergence: | Early to medium |
| *Flag leaf- anthocyanin colouration of auricles: | Weak to medium |
| Frequency of plants with recurved flag leaves: | Very low to low |
| Flag leaf- glaucosity of sheath: | Strong |
| *Ear- glaucosity: | Absent or very weak |
| Ear- attitude: | Semi erect |
| Ear- length: | Short to medium |
| *Ear- number of rows: | Two |
| *Ear- density: | Medium |
| Ear- shape: | Parallel |
| *Awn- anthocyanin colouration of the tips: | Medium |
| *Awn- length compared to ear: | Medium to long |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | Equal |
| Lemma nerves- anthocyanin colouration: | |
| *Plant height: | |
| Collar type: | |
| Rachis- length of first segment: | Medium to long |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | Medium |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | Whitish |
| *Grain- rachilla hair type: | Long |
| Grain- rachilla length: | |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | Absent or very weak |
| Grain- spiculation of outer lateral nerves: | |
| Grain- anthocyanin colouration of lemma nerves: | Weak |
| *Grain- ventral furrow - presence of hairs: | Absent |
| *Grain- husk: | |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | Clasping |
| *Seasonal type: | Spring |
| Extra characters: | |

* = Characteristics which should always be included in the description of the variety.

30 March 2015

MINSTREL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium to dense |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|----------------------------|
| Kernel - colour of aleurone layer | strongly coloured ("blue") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | weak (1-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

MOMENTUM

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | tapering to parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | strongly coloured ("blue") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

MONTOYA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | tapering |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

MOONSHINE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|--------------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

NATASIA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | medium |
| Awn tips | strong to very strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | semi-prostrate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

NFC TIPPLE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | semi-erect |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

NORTHSTAR

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | tapering |

Awn

| | |
|------------------------|--------|
| Length compared to ear | medium |
|------------------------|--------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

OCTAVIA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

ODYSSEY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

OLYMPUS

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

OPTIC

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | strong (5-10 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | weak to medium |
| Lemma nerves - at early dough | weak |
| Awn tips | weak |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-recurved |

ORBITAL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | very lax |
| Length | medium to long |
| Shape | tapering |

Awn

| | |
|------------------------|--------|
| Length compared to ear | medium |
|------------------------|--------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|-----------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

ORIGIN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------|
| Length of first segment | short |
| Curvature of first segment | very weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | weak to medium |

Plant growth characters

| | |
|---|----------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

OVATION

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

OVERTURE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|---------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | absent or very weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

PANDA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------------|
| Length compared to ear | medium (+/- equal to ear) |
|------------------------|---------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | absent or very weak |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

PANTHER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

PATHFINDER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | weak to medium |
| Lemma nerves - at early dough | weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

PENTHOUSE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | absent |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

PEWTER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | weak to medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | horizontal |

PINOCCHIO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|----------------|
| Length compared to ear | medium to long |
|------------------------|----------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | short |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------------------|
| Flag leaf - auricles | strong to v.strong |
| Lemma nerves - at early dough | weak |
| Awn tips | very strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi prostrate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | horizontal |

PIPER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SPRING BARLEY

AFP 2/2130

PRAGUE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | tapering to parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | weak to medium |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | weak |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | semi-erect |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

PRODIGAL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | short |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | frontal |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|------------|
| Plant - growth habit | semi-erect |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

PROPINO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | very early to early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

PUBLICAN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | v. weak to weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | horizontal |

QUENCH

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|--------------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

RENAISSANCE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering to parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

RGT CONQUEST

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

Variety Name: **RGT PLANET**

Crop:

Breeders Reference:

AFP No:

Breeder: RAGT 2n

Translated from: French

Origin:

Date: 02 April 2015

Code: RGTP

| | |
|--|--------------------------|
| *Plant - growth habit: | Intermediate |
| *Lower leaves - hairiness of leaf sheaths: | Absent |
| *Time of ear emergence: | Medium |
| *Flag leaf- anthocyanin colouration of auricles: | Strong |
| Frequency of plants with recurved flag leaves: | Low |
| Flag leaf- glaucosity of sheath: | Strong |
| *Ear- glaucosity: | Medium to strong |
| Ear- attitude: | Semi erect to horizontal |
| Ear- length: | Long |
| *Ear- number of rows: | Two |
| *Ear- density: | Lax to medium |
| Ear- shape: | |
| *Awn- anthocyanin colouration of the tips: | Parallel |
| *Awn- length compared to ear: | Long |
| Awn- spiculation of margins: | |
| *Sterile spikelet-attitude: | |
| Sterile spikelet-shape of tip: | |
| Sterile spikelet- length of lemma: | |
| Median spikelet- length of glume + awn cf grain: | Equal |
| Lemma nerves- anthocyanin colouration: | |
| *Plant height: | Medium |
| Collar type: | |
| Rachis- length of first segment: | Short to medium |
| Rachis- width of first segment: | |
| Rachis- curvature of first segment: | Weak |
| Rachis- shape of first segment: | |
| Rachis(2-row)- humping of segments (mid third): | |
| Rachis(6-row)- degree of zig-zag (mid third): | |
| Kernel- colour of aleurone layer: | Whitish |
| *Grain- rachilla hair type: | Short |
| Grain- rachilla length: | Medium |
| Grain- rachilla - length of tip hairs: | |
| Grain- spiculation of inner lateral nerves: | Absent or very weak |
| Grain- spiculation of outer lateral nerves: | Medium |
| Grain- anthocyanin colouration of lemma nerves: | Strong |
| *Grain- ventral furrow - presence of hairs: | Absent |
| *Grain- husk: | Present |
| Grain- length of lodicules ("collar" type only): | |
| Grain- disposition of lodicules: | Clasping |
| *Seasonal type: | Spring |
| Extra characters: | |

* = Characteristics which should always be included in the description of the variety.

09 April 2015

RHYNCCOSTAR

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | very lax to lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

RIVIERA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium to dense |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | weak |
| Awn tips | weak to medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

SANETTE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | tapering |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SCHOLAR

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | lax |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|--------|
| Length compared to ear | medium |
|------------------------|--------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SHADA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------------|
| Length compared to ear | medium (+/- equal to ear) |
|------------------------|---------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|--------------------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary(deficiens) |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SHANDY

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SHALOO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SNAPPER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SHUFFLE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|-----------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | short |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SNAKEBITE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | v. weak to weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|----------------|
| Flag leaf - auricles | weak to medium |
| Lemma nerves - at early dough | weak |
| Awn tips | weak to medium |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SOLDO

CHARACTERS IN DETAIL

Ear

| | |
|----------------|--------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong to very strong |
| Lemma nerves - at early dough | medium to strong |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect to horizontal |

SPARKLE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|---------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | absent or very weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SUMIT

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------|
| Length of first segment | medium |
| Curvature of first segment | very weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | very short to short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SW CATRIONA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|---------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | absent or very weak |
| Awn tips | weak |

Plant growth characters

| | |
|---|------------|
| Plant - growth habit | semi-erect |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | weak |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SW MAKOF

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|---------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | absent or very weak |
| Awn tips | weak |

Plant growth characters

| | |
|---|--------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | weak |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SY ABOYNE

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|-----------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SY BARRELL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|--------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|--------|
| Length of first segment | medium |
| Curvature of first segment | weak |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|-----------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | strong to very strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SY FIRKIN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | lax |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

SY TABERNA

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | long |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|-------------------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | very weak to weak |
| Awn tips | strong |

Plant growth characters

| | |
|---|-----------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong to very strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------|
| Length of first segment | long |
| Curvature of first segment | very weak |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | semi-erect |

SY UNIVERSAL

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | longer |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium to strong |
| Lemma nerves - at early dough | medium |
| Awn tips | strong |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

TOTEM

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium |
| Length | short to medium |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|-----------------|
| Length of first segment | short to medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent or v. weak |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | short to medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

TOUCAN

CHARACTERS IN DETAIL

Ear

| | |
|----------------|---------------|
| Number of rows | two |
| Density | lax to medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|---------------------|
| Length compared to ear | +/- equal to longer |
|------------------------|---------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium to long |
| Curvature of first segment | medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | absent/v. weak (0-2 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|------------------|
| Plant - growth habit | intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium |
| Ear - attitude 21 days after ear emerg. | semi-erect |

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | very lax to lax |
| Length | medium to long |
| Shape | tapering |

Awn

| | |
|------------------------|------|
| Length compared to ear | long |
|------------------------|------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|---------------------|
| Sterile spikelet - attitude | n/a |
| Sterile spikelet - development | none or rudimentary |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|-------------------|
| Kernel - colour of aleurone layer | whitish |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | very weak to weak |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping |

Anthocyanin colouration

| | |
|-------------------------------|------------------|
| Flag leaf - auricles | medium |
| Lemma nerves - at early dough | weak to medium |
| Awn tips | medium to strong |

Plant growth characters

| | |
|---|---------------------|
| Plant - growth habit | intermediate |
| Plant - length | short |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium to late |
| Flag leaf - glaucosity of sheath | medium to strong |
| Ear - glaucosity | medium to strong |
| Ear - attitude 21 days after ear emerg. | erect to semi-erect |

WAGGON

CHARACTERS IN DETAIL

Ear

| | |
|----------------|-----------------|
| Number of rows | two |
| Density | medium to dense |
| Length | medium to long |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|------------------|
| Length of first segment | medium |
| Curvature of first segment | medium to strong |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | full |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | weak (1-2 per nerve) |
| Rachilla hair type | long |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | medium |
| Awn tips | medium |

Plant growth characters

| | |
|---|----------------------------|
| Plant - growth habit | semi-erect to intermediate |
| Plant - length | medium |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | medium |
| Flag leaf - glaucosity of sheath | medium |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | horizontal |

WESTMINSTER

CHARACTERS IN DETAIL

Ear

| | |
|----------------|----------|
| Number of rows | two |
| Density | medium |
| Length | medium |
| Shape | parallel |

Awn

| | |
|------------------------|------------------------|
| Length compared to ear | long (longer than ear) |
|------------------------|------------------------|

Rachis

| | |
|----------------------------|----------------|
| Length of first segment | medium |
| Curvature of first segment | weak to medium |

Spikelet

| | |
|--|-----------|
| Sterile spikelet - attitude | divergent |
| Sterile spikelet - development | |
| Median spikelet - length of glume+awn cf grain | equal |

Grain

| | |
|-------------------------------------|--------------------------|
| Kernel - colour of aleurone layer | whitish ("white") |
| Husk - presence after harvest | present |
| Spiculation of inner lateral nerves | medium (3-5 per nerve) |
| Rachilla hair type | short |
| Ventral furrow - presence of hairs | absent |
| Disposition of lodicules | clasping ("collar" type) |

Anthocyanin colouration

| | |
|-------------------------------|--------|
| Flag leaf - auricles | strong |
| Lemma nerves - at early dough | weak |
| Awn tips | medium |

Plant growth characters

| | |
|---|--------------------------------|
| Plant - growth habit | intermediate to semi-prostrate |
| Plant - length | medium to long |
| Lower leaf - hairiness of sheaths | absent |
| Time of ear emergence | early to medium |
| Flag leaf - glaucosity of sheath | strong |
| Ear - glaucosity | weak to medium |
| Ear - attitude 21 days after ear emerg. | horizontal to semi-recurved |