# AFP 2/2552 ACCLAIM

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short tapering

long (longer than ear)

medium to long medium

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong medium to strong strong

semi-erect to intermediate short absent early to medium strong medium semi-erect



# AFP 2/2606 ACOUSTIC

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

+/- equal to longer

medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong medium to strong medium

intermediate medium absent medium medium to strong medium erect to semi-erect



# AFP 2/2623 ACUMEN

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium to long parallel

long (longer than ear)

short to medium weak

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong medium to strong medium

intermediate medium absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2644 ALVESTON

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long

medium weak

divergent full equal

whitish present absent or v. weak short absent clasping

strong strong medium

intermediate short to medium absent medium medium to strong medium to strong erect to semi-erect



# Variety Name: Amalika

Crop:

Breeders Reference:	<b>AFP No:</b> 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:	Tion of Fudimentally
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Medium
*Plant height:	Medium
Collar type:	Wedfulli
Rachis- length of first segment:	Short
Rachis- width of first segment:	Short
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:	Madium
Grain- anthocyanin colouration of lemma nerves:	Medium
*Grain- ventral furrow - presence of hairs:	Absent
*Grain-husk:	Present
Grain- length of lodicles ("collar" type only):	Classic
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 Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium to dense long tapering

medium (+/- equal to ear) to long

short to medium weak

n/a none or rudimentary(deficiens) longer

whitish ("white") present absent/v. weak (0-2 per nerve) long absent frontal ("bib" type)

strong to very strong strong to very strong

semi-erect to intermediate medium to long absent early to medium strong strong to very strong semi-erect to horizontal



# AFP 2/2631 ARTISAN

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

Awn Length compared to ear

## Rachis

Length of first segment Curvature of first segment

# Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

medium to long

short to medium medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

medium to strong medium to strong

intermediate short absent early to medium medium to strong strong semi-erect



# AFP 2/2683 ARTEMIDA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium to long tapering

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong medium medium

intermediate very short absent early to medium medium to strong strong erect to semi-erect



# AFP 2/2633 AVALON

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium long parallel

medium (+/- equal to ear)

short to medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong medium medium to strong

intermediate medium absent medium strong medium to strong semi-erect to horizontal



# AFP 2/2201 BELGRAVIA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

long weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong very weak to weak weak to medium

intermediate short to medium absent medium strong medium to strong horizontal



AFP 2/2482 BOGART

# **CHARACTERS IN DETAIL**

#### Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long

short to medium medium

divergent full equal

whitish present absent or v. weak short absent clasping

medium to strong medium to strong strong

intermediate short to medium absent early strong medium to strong semi-erect



AFP 2/2649 BRIONI

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium tapering

medium

medium to long weak to medium

divergent full equal

whitish present absent or v. weak short absent clasping

medium medium to strong medium

semi-erect medium to long absent medium medium to strong medium erect to semi-erect



# AFP 2/2711 BUNTING

# **CHARACTERS IN DETAIL**

### Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium tapering

long

medium medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong medium weak to medium

intermediate short absent medium to late medium to strong medium to strong erect to semi-erect



# AFP 2/2534 CHA CHA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium to long parallel

medium (+/- equal to ear)

short to medium medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong to very strong weak to medium strong to very strong

intermediate to semi-prostrate medium absent early strong to very strong strong horizontal to semi-recurved



# AFP 2/2761 CHANTAL

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium short to medium tapering

long

short to medium medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong strong medium to strong

semi-erect to intermediate very short to short absent early to medium medium to strong medium to strong semi-erect to horizontal



# AFP 2/2630 CHAPEAU

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

short to medium medium

divergent full equal

present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong to very strong strong

intermediate to semi-prostrate medium to long absent medium strong strong horizontal to semi-recurved



# CHARMAY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium to dense long parallel

medium (+/- equal to ear)

short medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong weak strong to very strong

intermediate to semi-prostrate short to medium absent medium strong strong to very strong semi-recurved



# CHECKMATE

# **CHARACTERS IN DETAIL**

#### Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two dense medium to long parallel

long

medium medium

divergent full equal

whitish present absent or v. weak long absent clasping

medium weak strong

intermediate to semi-prostrate short to medium absent early to medium strong medium semi-erect



# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

medium to long

short medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

very strong weak to medium strong to very strong

intermediate to semi-prostrate medium absent medium strong to very strong strong to very strong horizontal to semi-recurved



# **CHARACTERS IN DETAIL**

#### Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium short to medium parallel

+/- equal to longer

short medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong to very strong medium strong

intermediate to semi-prostrate medium absent early to medium strong strong horizontal



# AFP 2/2466 CHRONICLE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong weak to medium medium to strong

semi-erect to intermediate short to medium absent early strong medium erect to semi-erect



# AFP 2/1769 COCKTAIL

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium tapering

long (longer than ear)

medium medium to strong

divergent

equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong to very strong medium medium

semi-erect to intermediate short to medium absent medium strong medium to strong semi-erect to horizontal



# AFP 2/2288 CONCERTO

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium medium

divergent full equal

weakly coloured present v. weak to weak short absent clasping ("collar" type)

strong very weak to weak weak

intermediate short absent early to medium strong medium erect to semi-erect



# AFP 2/2799 CONTENDER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium short to medium parallel

long

medium weak to medium

n/a none or rudimentary longer

whitish present absent or v. weak short absent clasping

strong weak to medium medium to strong

intermediate very short absent medium medium to strong medium 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:	1.
*Plant height:	medium
Collar type: Deckie length of first segment:	medium
Rachis- length of first segment: Rachis- width of first segment:	meatum
Rachis- curvature of first segment:	weak to medium
Rachis- shape of first segment:	weak to incutum
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 lodicles ("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



# AFP 2/2560 CROONER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short parallel

long (longer than ear)

medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong absent or very weak strong

intermediate very short to short absent medium strong strong erect to semi-erect



# **CHARACTERS IN DETAIL**

### Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium

medium to long

medium medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong to very strong strong

intermediate medium absent early to medium strong strong horizontal



AFP 2/674 **DANDY** 

# **CHARACTERS IN DETAIL**

#### Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

long (longer than ear)

short weak to medium

divergent

equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong weak to medium medium

erect to semi-erect medium absent early medium to strong medium to strong semi-erect



# AFP 2/2702 DEVERON

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax short to medium tapering

long

short to medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong absent or very weak medium to strong

intermediate very short absent medium to late medium to strong medium to strong erect to semi-erect



# AFP 2/2800 DEFENDER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium tapering

medium to long

medium medium to strong

divergent full equal

whitish present absent or v. weak short absent clasping

strong weak medium to strong

intermediate medium absent medium to late medium weak to medium semi-erect



AFP 2/1865 **DOYEN** 

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

## Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium to long tapering to parallel

+/- equal to longer

medium medium to strong

divergent

equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong medium to strong medium to strong

semi-erect short to medium absent medium to late strong to very strong medium semi-erect to horizontal



# AFP 2/2719 DRAGOON

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium tapering

long

short to medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

medium weak medium

intermediate very short to short absent late medium to strong medium to strong erect to semi-erect



# Variety Name: EVERGREEN

Crop:

Breeders Reference:	AFP No:
<b>Breeder:</b> 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 lodicles ("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:	C C
*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:	1
*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:	200.B
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	serie of tery trout
Grain- anthocyanin colouration of lemma nerves:	Medium to strong
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	Clasoing
*Seasonal type:	Spring
Extra characters:	opring
LAVIE CHELECCED.	

\* = Characteristics which should always be included in the description of the variety. 30 March 2015



# AFP 2/2564 FEALTY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

## Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium tapering to parallel

long (longer than ear)

short to medium weak

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong medium to strong medium to strong

intermediate to semi-prostrate medium to long absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2274 FORENSIC

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

long

medium medium

parallel to weakly divergent full equal

whitish present v. weak to weak short absent clasping

strong weak medium

intermediate very short absent medium to late strong medium semi-erect to horizontal



AFP 2/2335 GARNER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

# Spikelet

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

### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

long (longer than ear)

medium weak to medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong weak to medium medium to strong

intermediate to semi-prostrate medium absent early medium to strong weak to medium semi-erect to horizontal



AFP 2/2469 GENIE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

short to medium weak

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong very weak to weak strong

intermediate short to medium absent early strong medium to strong erect to semi-erect



# AFP 2/2570 GLASSEL

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium tapering to parallel

+/- equal to longer

short to medium weak

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong weak to medium medium

intermediate medium absent medium medium to strong medium erect to semi-erect



# AFP 2/235 GOLDEN PROMISE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium short to medium parallel

short (shorter than ear)

medium to long very weak

divergent

equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent frontal ("bib" type)

medium weak to medium medium

erect medium absent early to medium strong strong semi-erect



# AFP 2/2627 HACKER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

medium to long

short to medium weak to medium

divergent full equal

whitish present absent or v. weak short absent clasping

medium medium to strong

intermediate short to medium absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2712 **HAVEN**

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium tapering

long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium to strong

intermediate medium absent medium to late medium strong semi-erect



# AFP 2/2640 HEMINGWAY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium to long parallel

+/- equal to longer

medium to long weak

n/a none or rudimentary(deficiens) longer

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong weak to medium medium to strong

intermediate medium to long absent early to medium medium to strong medium to strong semi-erect



AFP 2/2429 HUSKY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

+/- equal to longer

short to medium very weak

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium medium to strong

intermediate short to medium absent early to medium strong medium semi-erect



# AFP 2/2695 INFINIUM

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long

short to medium weak to medium

divergent full equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium

intermediate short absent medium to late medium to strong medium erect to semi-erect



# AFP 2/2795 INTREPID

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium parallel

long

short to medium medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong medium to strong medium

semi-erect to intermediate very short absent early to medium medium to strong weak to medium erect to semi-erect



# Variety Name: Invictus

Crop:

Origin:Date: 23 March 2015Code:Invi*Plant - growth habit:Imediate to semi prostrate*Lower leaves - hairiness of leaf sheaths:Imediate to semi prostrate*Time of ear emergence:**Flag leaf- anthocyanin colouration of auricles:StrongFrequency of plants with recurved flag leaves:MediumFlag leaf- glaucosity of sheath:Strong to very strong*Ear- glaucosity:Strong to very strongEar- attitude:Horizontal to semi recurvedEar- length:Medium*Ear- number of rows:Two*Ear- density:Lax to mediumEar- shape:Parallel	Breeders Reference:	<b>AFP No:</b> 2/2681
Code: Invi ** Plant - growth habit: ** Plant - growth habit: ** Time of ear emergence: ** ** Time of ear emergence: ** ** ** ** ** ** ** ** ** ** ** ** **	Breeder: Sejt Planteforaedling I/S	Translated from: Dutch
**Plant - growth habit:       Imediate to semi prostrate         **Lower leaves - hairiness of leaf sheaths:       **         **Time of ear emergence:       *         **Time of ear emergence:       *         **Tag leaf- anthocyanin colouration of auricles:       Strong to very strong         Frequency of plants with recurved flag leaves:       Medium         *Ear - antitude:       Strong to very strong         *Ear - antitude:       Horizontal to semi recurved         Ear- length:       Medium         *Ear - density:       Lax to medium         Ear - shape:       Parallel         *Awn- anthocyanin colouration of the tips:       *Awn- anthocyanin colouration of the tips:         *Awn - anthocyanin colouration of the tips:       *Awn- anthocyanin colouration:         *Awn - anthocyanin colouration:       Non or rudimentary         Sterile spikelet-length of lemma:       *         *Sterile spikelet-length of glume + awn cf grain:       *         Lemma nerves- anthocyanin colouration:       Medium         *Plant height:       Medium         Collar type:       *         Rachis- length of first segment:       *         Rachis- curvature of first segment:       *         Rachis/c-row)- degree of zig-zag (mid third):       *	Origin:	Date: 23 March 2015
*Lower leaves - hairiness of leaf sheaths: *Time of ear emergence: *Time of ear	Code: Invi	
*Time of ear emergence: *Thag leaf- anthozyanin colouration of auricles: *Tequency of plants with recurved flag leaves: *Tequency of plants with recurved flag leaves: *Tequency of plants with recurved flag leaves: *Tequence of plants with recurved flag leaves: *Tequency of plants with recurved flag leaves: *Tequency of plants with recurved flag leaves: *Ter length: *Ter aglaucosity of sheath: *Ter aglaucosity of sheath	*Plant - growth habit:	Imediate to semi prostrate
*Flag leaf- anthocyanin colouration of auricles:StrongFrequency of plants with recurved flag leaves:MediumFlag leaf- glaucosity of sheath:Strong to very strong*Ear- glaucosity of sheath:Strong to very strong*Ear- attitude:Horizontal to semi recurvedEar- length:Medium*Ear- number of rows:Two*Ear- number of rows:Two*Ear- attitude:Medium*Ear- number of rows:Two*Ear- number of rows:Two*Ear- attitude:Lax to medium#ar- anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:*Awn- neigth compared to ear:Awn- spiculation of margins:*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-length of lemma:Median spikelet-length of lemma:Median spikelet-length of glume + awn cf grain:Lemma nerves- anthocyanin colouration:Medium*Plant height:Collar type:Rachis- length of first segment:Rachis- width of first segment:Rachis- curvature of first segment:Rachis- curvature of first segment:Rachis/(2-row)- humping of segments (mid third):Rachis/(6-row)- degree of zig-zag (mid third):Rachis/(6-row)- degree of zig-zag (mid third):Rachis/(6-row)- degree of zig-zag (mid third):Grain- rachilla hair type:Grain- rachilla hair type:Grain- rachilla hair type:Grain- rachilla length of tip hairs:Grain- spiculation of onter lateral nerves:<	*Lower leaves - hairiness of leaf sheaths:	
Frequency of plants with recurved flag leaves:MediumFlag leaf- glaucosity of sheath:Strong to very strongFlar glaucosity of sheath:Strong to very strongEar - attitude:Horizontal to semi recurvedEar - attitude:Horizontal to semi recurvedEar - length:Medium*Ear- density:Lax to mediumEar - shape:Parallel*Awn- anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:Non or rudimentary*Awn- anthocyanin colouration of the tips:Strile spikelet-tittude:Sterile spikelet-shape of tip:Non or rudimentarySterile spikelet-length of glume + awn cf grain:MediumPlant height:MediumCollar type:MediumRachis- length of first segment:MediumRachis- length of first segment:MediumRachis- curvature of first segment:MediumRachis- shape of first segment:ShortRachis(2-row)- humping of segments (mid third):ShortRachis- shape of first segment:ShortGrain- rachilla hair type:ShortGrain- rachilla length:Absent or very weakGrain- spiculation of inner lateral nerves:Absent or very weakGrain- spiculation of of the theres:Yersent*Grain- nortilla length:PresentGrain- spiculation of oldicels ("collar" type only):Grain- husk:Grain- length of loicles ("collar" type only):Grain- length of loicles ("collar" type only):Grain- length of	*Time of ear emergence:	
Flag leaf-glacosity of sheath:       Strong to very strong         *Ear-glaucosity:       Strong to very strong         *Ear-autitude:       Horizontal to semi recurved         Ear-length:       Medium         *Ear-autitude:       Lax to medium         *Ear-autitude:       Lax to medium         *Ear-autitude:       Lax to medium         *Ear-shape:       Parallel         *Awn- anthocyanin colouration of the tips:       *Awn-authocyanin colouration of the tips:         *Awn-authocyanin colouration of the tips:       *Awn-authocyanin colouration of the tips:         *Awn-authocyanin colouration of the tips:       *Awn-authocyanin colouration of the tips:         *Awn-authocyanin colouration of the tips:       *Awn-authocyanin colouration:         *Sterile spikelet-shape of tip:       Non or rudimentary         Sterile spikelet-shape of tip:       Ear-authocyanin colouration:         Sterile spikelet-length of glume + awn cf grain:       Medium         Collar type:       Medium         Rachis-length of first segment:       Rachis-curvature of first segment:         Rachis-shape of first segment:       Rachis-curvature of first segment:         Rachis-shape of first segment:       Rachis-curvature of first segment:         Rachis-shape of first segment:       Short         Grain-rachilla length: <td></td> <td>Strong</td>		Strong
<pre>*Ear-glaucosity: Strong to very strong Ear-atitude: Horizontal to semi recurved Ear-length: Medium *Ear-length: Medium *Ear-anumber 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-length of lemma: Median spikelet-length of glume + awn of grain: Lemma nerves- anthocyanin colouration: Medium *Plant height: Medium Collar type: Rachis-length of first segment: Rachis- curvature of first segment: Rachis-shape of first segment: Rachis-shape of first segment: Rachis-curvature of first segment: Rachis-curvature of first segment: Rachis-curvature of lateral nerves: Absent or very weak Grain- rachilla heigth: Grain- nachilla heigth: Grain- nachilla length: Kernel colour of aleurone layer: Absent Kernel col</pre>	Frequency of plants with recurved flag leaves:	Medium
Ear- attitude:Horizontal to semi recurvedEar- length:Medium*Ear- ength:Two*Ear- number of rows:Two*Ear- density:Lax to mediumEar- shape:Parallel*Awn- anthocyanin colouration of the tips:*Awn anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:*Awn anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:*Awn spiculation of margins:*Awn- spiculation of margins:Non or rudimentary*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-length of glume + awn of grain:MediumLemma nerves- anthocyanin colouration:MediumCollar type:MediumRachis- length of first segment:MediumRachis- curvature of first segment:Horizontal tips:Rachis- shape of first segment:Same shape of first segment:Rachis- curvature of first segment:ShortRachis/c-row)- humping of segments (mid third):ShortRachis(6-row)- degree of zig-zag (mid third):ShortGrain- rachilla length:ShortGrain- rachilla length:Absent or very weakGrain- rachilla length:Absent or very weakGrain- spiculation of outer lateral nerves:AbsentGrain- spiculation of oldicles ("collar" type only):Grain- length of lodicles ("collar" type only):AbsentGrain- length of	Flag leaf- glaucosity of sheath:	
Ear- length:Medium*Ear- number of rows:Two*Ear- number of rows:Two*Ear- number of rows:Lax to medium*Ear- shape:Parallel*Awn- anthocyanin colouration of the tips:Parallel*Awn- length compared to ear:Awn- spiculation of margins:*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-shape of tip:Sterile spikelet-length of lemma:Sterile spikelet-length of glume + awn cf grain:MediumPlant height:MediumCollar type:MediumRachis- length of first segment:MediumRachis- length of first segment:Sterile spikelet-length of segment:Rachis- length of first segment:Sterile spikelet segment:Rachis- shape of first segment:Sterile spikelet segment:Rachis(6-row)- humping of segments (mid third):Sterile spikelet segment:Rachis(6-row)- humping of segments (mid third):Sterile spikelet segment:Grain- rachilla heir type:ShortGrain- rachilla length:Sterile spikelet segment:Grain- rachilla heir type:Absent or very weakGrain- rachilla length:Sterile spikelet segment:Grain- rachilla length:Sterile spikelet segment:Grain- rachilla length:Sterile spikelet segment:Grain- rachilla length:Sterile spikelet segment: <td< td=""><td>*Ear- glaucosity:</td><td>Strong to very strong</td></td<>	*Ear- glaucosity:	Strong to very strong
*Ear- number of rows:Two*Ear- density:Lax to medium*Ear- shape:Parallel*Awn- anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:*Awn- length compared to ear:Awn- spiculation of margins:*Awn- spiculation of margins:**Sterile spikelet-tattitude:Non or rudimentarySterile spikelet-shape of tip:Sterile spikelet-length of lemma:Mediam spikelet- length of glume + awn cf grain:MediumLemma nerves- anthocyanin colouration:MediumCollar type:MediumRachis- length of first segment:MediumRachis- length of first segment:MediumRachis- curvature of first segment:MediumRachis- curvature of first segment:Rachis/C-row)- humping of segments (mid third):Rachis(6-row)- degree of zig-zag (mid third):Kernel- colour of aleurone layer:Grain- rachilla hair type:ShortGrain- rachilla length:Absent or very weakGrain- spiculation of outer lateral nerves:Absent or very weakGrain- spiculation of oldiphairs:AbsentGrain- spiculation of oldiphairs:AbsentGrain- nubcyanin colouration of lemma nerves:Absent"Grain- husk:PresentGrain- husk:PresentGrain- husk:Present	Ear- attitude:	Horizontal to semi recurved
*Ear- density:Lax to mediumEar- shape:Parallel*Awn- anthocyanin colouration of the tips:*Awn- anthocyanin colouration of the tips:*Awn- number of the compared to ear:Awn-spiculation of margins:*Awn- spiculation of margins:Non or rudimentary*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-shape of tip:Non or rudimentarySterile spikelet-length of lemma:MediumMedian spikelet-length of glume + awn cf grain:MediumLemma nerves- anthocyanin colouration:MediumCollar type:MediumRachis- length of first segment:MediumRachis- length of first segment:Non or rudimentaryRachis- shape of first segment:Sterile spikelet-length of glume + awn cf grain:Rachis- length of glume + awn cf grain:Sterile spikelet-length of glume + awn cf grain:Rachis- length of first segment:MediumRachis- length of first segment:Sterile spikelet-length of glume + awn cf grainRachis- curvature of first segment:Sterile spikelet-length of glume + awn cf grain - rachilla hair type:Rachis(2-row)- humping of segments (mid third):ShortRachis(6-row)- degree of zig-zag (mid third):ShortGrain- rachilla length:ShortGrain- rachilla length:Absent or very weakGrain- rachilla length:Absent or very weakGrain- spiculation of outer lateral nerves:AbsentGrain- anthocyanin colouration of lemma nerves:Absent"Grain- hunsk:PresentGrain- hunsk:Present	Ear- length:	Medium
Ear-shape:Parallel*Awn-anthocyanin colouration of the tips:*Awn-anthocyanin colouration of the tips:*Awn-length compared to ear:Awn-spiculation of margins:*Awn-length compared to ear:Non or rudimentary*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-shape of tip:Sterile spikelet-shape of tip:Sterile spikelet-length of glume + awn cf grain:Lemma nerves- anthocyanin colouration:Median spikelet-length of glume + awn cf grain:MediumLemma nerves- anthocyanin colouration:Medium*Plant height:MediumCollar type:MediumRachis- length of first segment:MediumRachis- length of first segment:Rachis- length of first segment:Rachis- shape of first segment:Sterile spikelet-colour of aleurone layer:Rachis(2-row)- humping of segments (mid third):ShortKernel - colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla length:ShortGrain- spiculation of inner lateral nerves:Absent or very weakGrain- spiculation of olucer lateral nerves:Absent or very weakGrain- spiculation of lenma nerves:Absent*Grain- nuthocyanin colouration of lenma nerves:PresentGrain- nuthocyanin colouration of lenma nerves:Absent*Grain- husk:PresentGrain- husk:PresentGrain- husk:PresentGrain- disposition of lodicles:Present	*Ear- number of rows:	Two
*Awn- anthocyanin colouration of the tips: *Awn- length compared to ear: Awn- spiculation of margins: *Sterile spikelet-attitude: Non or rudimentary 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- length of first segment: Rachis- curvature of first segment: Rachis- shape of first segment: Rachis/c-row)- humping of segments (mid third): Rachis/c-row)- humping of segments (mid third): Rachis/c-row)- degree of zig-zag (mid third): Kernel- colour of aleurone layer: Whitish *Grain- rachilla hair type: Short Grain- rachilla heigth Grain- rachilla heigth of tip hairs: Grain- rachilla heigth of tip hairs: Grain- spiculation of outer lateral nerves: Absent or very weak Grain- spiculation of outer lateral nerves: Grain- spiculation of outer lateral nerves: Grain- spiculation of outer lateral nerves: Grain- spiculation of olucer lateral nerves: Grain- spiculation of lemma nerves: *Grain- ventral furrow - presence of hairs: Absent *Grain- husk: Present Grain- length of lodicles (''collar'' type only): Grain- disposition of lodicules:	*Ear- density:	Lax to medium
<pre>*Awn anthocyanin colouration of the tips: *Awn-length compared to ear: Awn-spiculation of margins: *Awn-spiculation of margins: *Sterile spikelet-attitude: Non or rudimentary Sterile spikelet-attitude: Non or rudimentary Sterile spikelet-attitude: Medium 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- urvature of first segment: Rachis- curvature of first segment: Rachis/c-row)- humping of segments (mid third): Rachis/c-row)- humping of segments (mid third): Rachis/c-row)- degree of zig-zag (mid third): Kernel- colour of aleurone layer: Whitish *Grain- rachilla hair type: Short Grain- rachilla heigth: Absent or very weak Grain- spiculation of inner lateral nerves: Grain- spiculation of outer lateral nerves: Carain- spiculation of outer lateral nerves: Carain- spiculation of lemma nerves: *Grain- nathocyanin colouration of lemma nerves: *Grain- hunsk: Present Grain- hunsk: Present Grain- length of lodicles ("collar" type only): Grain- disposition of lodicles: ************************************</pre>	Ear- shape:	Parallel
Awn- spiculation of margins:*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-attitude:Non or rudimentarySterile spikelet-shape of tip:Sterile spikelet-length of lemma:Sterile spikelet-length of glume + awn cf grain:MediumLemma nerves- anthocyanin colouration:Medium*Plant height:MediumCollar type:MediumRachis- length of first segment:MediumRachis- width of first segment:Rachis-Rachis- shape of first segment:Rachis-Rachis(2-row)- humping of segments (mid third):Rachis(2-row)- humping of segments (mid third):Rachis(6-row)- degree of zig-zag (mid third):WhitishKernel- colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla hength:Grain- rachilla length:Grain- spiculation of inner lateral nerves:Absent or very weakGrain- anthocyanin colouration of lemma nerves:Absent*Grain- husk:PresentGrain- husk:PresentGrain- husk:Present	*Awn- anthocyanin colouration of the tips:	
Awn- spiculation of margins:*Sterile spikelet-attitude:Non or rudimentarySterile spikelet-attitude:Non or rudimentarySterile spikelet-shape of tip:Sterile spikelet-length of lemma:Sterile spikelet-length of glume + awn cf grain:MediumLemma nerves- anthocyanin colouration:Medium*Plant height:MediumCollar type:MediumRachis- length of first segment:MediumRachis- width of first segment:Rachis-Rachis- shape of first segment:Rachis-Rachis(2-row)- humping of segments (mid third):Rachis(2-row)- humping of segments (mid third):Rachis(6-row)- degree of zig-zag (mid third):WhitishKernel- colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla hength:Grain- rachilla length:Grain- spiculation of inner lateral nerves:Absent or very weakGrain- anthocyanin colouration of lemma nerves:Absent*Grain- husk:PresentGrain- husk:PresentGrain- husk:Present	*Awn- length compared to ear:	
*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- length of first segment:   Rachis- curvature of first segment:   Rachis- shape of first segment:   Rachis- curvature of first segment:   Rachis(2-row)- humping of segments (mid third):   Rachis(6-row)- degree of zig-zag (mid third):   Rachis(1-rachilla hair type:   Short   Grain- rachilla length:   Grain- rachilla length:   Grain- rachilla length:   Grain- spiculation of inner lateral nerves:   Grain- spiculation of outer lateral nerves:   Grain- spiculation of outer lateral nerves:   Grain- spiculation of lemma nerves:   *Grain- husk:   Grain- husk:   Grain- length of lodicles (''collar'' type only):   Grain- disposition of lodicules:		
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:       Medium         Rachis- length of first segment:       Medium         Rachis- length of first segment:       Medium         Rachis- kape of first segment:       Medium         Rachis- shape of first segment:       Rachis- shape of first segment:         Rachis- shape of first segment:       Kernel - Colur of aleurone layer:         Rachis/(2-row)- humping of segments (mid third):       Kernel - colur of aleurone layer:         Kernel- colour of aleurone layer:       Whitish         *Grain- rachilla hair type:       Short         Grain- rachilla hair type:       Short         Grain- rachilla - length of tip hairs:       Grain- spiculation of inner lateral nerves:         Grain- spiculation of outer lateral nerves:       Absent or very weak         Grain- spiculation of olouration of lemma nerves:       *Grain- nuck:         *Grain- husk:       Present         Grain- husk:       Present         Grain- husk:       Present         Grain- length of lodicles ("collar" type only):       Grain- disposition of lodicules:		Non or rudimentary
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Lemma nerves- anthocyanin colouration:Medium*Plant height:MediumCollar type:MediumRachis- length of first segment:MediumRachis- width of first segment:Rachis- curvature of first segment:Rachis- curvature of first segment:Rachis- shape of first segment:Rachis- shape of first segment:Rachis(2-row)- humping of segments (mid third):Rachis(2-row)- humping of segments (mid third):WhitishRachis(6-row)- degree of zig-zag (mid third):WhitishKernel- colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla length:ShortGrain- rachilla length:Absent or very weakGrain- spiculation of inner lateral nerves:Absent or very weakGrain- anthocyanin colouration of lemma nerves:Absent*Grain- husk:PresentGrain- husk:PresentGrain- husk:Present		
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Rachis-length of first segment:Rachis- width of first segment:Rachis- curvature of first segment:Rachis- shape 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):Rachis(6-row)- degree of zig-zag (mid third):Kernel- colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla length:Grain- rachilla length of tip hairs:Grain- spiculation of inner lateral nerves:Grain- anthocyanin colouration of lemma nerves:*Grain- ventral furrow - presence of hairs:Absent*Grain- husk:Grain- length of lodicles ("collar" type only):Grain- disposition of lodicules:	•	
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Rachis(6-row)- degree of zig-zag (mid third):WhitishKernel- colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla length:ShortGrain- rachilla - length of tip hairs:Absent or very weakGrain- spiculation of inner lateral nerves:Absent or very weakGrain- anthocyanin colouration of lemma nerves:Absent*Grain- ventral furrow - presence of hairs:Absent*Grain- length of lodicles ("collar" type only):PresentGrain- disposition of lodicules:Short		
Kernel- colour of aleurone layer:Whitish*Grain- rachilla hair type:ShortGrain- rachilla length:ShortGrain- rachilla - length of tip hairs:Absent or very weakGrain- spiculation of inner lateral nerves:Absent or very weakGrain- anthocyanin colouration of lemma nerves:Absent*Grain- ventral furrow - presence of hairs:Absent*Grain- husk:PresentGrain- length of lodicles ("collar" type only):Grain- disposition of lodicules:		
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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:*Grain- anthocyanin colouration of lemma nerves:*Grain- ventral furrow - presence of hairs:Absent*Grain- husk:Grain- length of lodicles ("collar" type only):Grain- disposition of lodicules:		
Grain- rachilla - length of tip hairs:Absent or very weakGrain- spiculation of inner lateral nerves:Absent or very weakGrain- spiculation of outer lateral nerves:Grain- anthocyanin colouration of lemma nerves:*Grain- anthocyanin colouration of lemma nerves:Absent*Grain- ventral furrow - presence of hairs:Absent*Grain- husk:PresentGrain- length of lodicles ("collar" type only):Grain- disposition of lodicules:	••	
Grain- spiculation of inner lateral nerves:Absent or very weakGrain- spiculation of outer lateral nerves:Absent or very weakGrain- anthocyanin colouration of lemma nerves:Absent*Grain- ventral furrow - presence of hairs:Absent*Grain- husk:PresentGrain- length of lodicles (''collar'' type only):Grain- disposition of lodicules:	8	
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 lodicles (''collar'' type only):       Grain- disposition of lodicules:		Absent or very weak
Grain- anthocyanin colouration of lemma nerves:*Grain- ventral furrow - presence of hairs:Absent*Grain- husk:PresentGrain- length of lodicles (''collar'' type only):Grain- disposition of lodicules:	-	
*Grain- ventral furrow - presence of hairs:       Absent         *Grain- husk:       Present         Grain- length of lodicles ("collar" type only):       Grain- disposition of lodicules:		
*Grain- husk: Present Grain- length of lodicles ("collar" type only): Grain- disposition of lodicules:		Absent
Grain- length of lodicles ("collar" type only): Grain- disposition of lodicules:		
Grain- disposition of lodicules:		Trosont
		Spring
	Extra characters:	Shure

\* = Characteristics which should always be included in the description of the variety. 30 March 2015



AFP 2/2566 KELIM

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax short to medium parallel

long (longer than ear)

medium weak

n/a none or rudimentary(deficiens) longer

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong strong medium to strong

semi-erect to intermediate medium absent early to medium strong medium to strong semi-erect



AFP 2/2620 KERSTIN

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

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

long

medium medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

medium to strong medium to strong medium to strong

semi-prostrate short to medium absent medium strong to very strong strong to very strong horizontal



# AFP 2/2614 KWS AURELIA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium medium medium to strong

intermediate to semi-prostrate short to medium absent early to medium medium to strong medium to strong erect to semi-erect



# AFP 2/2613 KWS IRINA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

medium (+/- equal to ear)

short to medium medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium medium to strong medium to strong

intermediate short to medium absent early to medium medium to strong medium to strong erect to semi-erect



# AFP 2/2617 KWS LENNOX

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

long (longer than ear)

medium medium

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium medium medium

intermediate to semi-prostrate medium to long absent medium medium to strong medium erect to semi-erect



# AFP 2/2573 KWS ORPHELIA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short tapering

long (longer than ear)

medium weak

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium to strong weak to medium strong

semi-erect to intermediate short absent early to medium strong strong erect to semi-erect



# AFP 2/2771 KWS SASSY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium tapering

long

short to medium weak

divergent full equal

whitish present absent or v. weak long absent clasping

strong very weak to weak medium

intermediate short to medium absent medium to late medium to strong medium to strong erect to semi-erect



# AFP 2/2705 KWS SPECTRA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium tapering

long

short to medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium

semi-erect to intermediate short absent early to medium medium to strong medium to strong erect to semi-erect



# AFP 2/2706 KWS VITARA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

medium

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium medium medium to strong

intermediate short to medium absent medium to late medium to strong strong semi-erect



# AFP 2/2780 LAUREATE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium parallel

long

medium to long medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium

semi-erect to intermediate short absent medium medium to strong medium to strong erect to semi-erect



# AFP 2/2626 MALT JAGGER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

medium to long

medium medium to strong

divergent full equal

whitish present absent or v. weak short absent clasping

medium medium medium to strong

intermediate short to medium absent late medium to strong medium erect to semi-erect



# AFP 2/1841

# MARACA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

### Anthocyanin colouration

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

### Plant growth characters

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

medium to long

medium medium to strong

divergent

equal

whitish present absent or v. weak long absent clasping

strong medium medium to strong

semi-erect short to medium absent medium to late strong weak to medium horizontal



AFP 2/2622

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

short to medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong medium medium

intermediate to semi-prostrate medium absent medium medium to strong medium erect to semi-erect



# AFP 2/2628 MAYFLOWER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long

short to medium medium

divergent full equal

whitish present absent or v. weak short absent clasping

medium to strong strong medium to strong

intermediate medium to long absent early to medium medium to strong medium to strong erect to semi-erect



# AFP 2/2641 MELIUS

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium to long parallel

long (longer than ear)

medium weak to medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

weak to medium weak to medium medium

intermediate medium absent early to medium medium to strong strong semi-erect



AFP 2/2567 MICKLE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short parallel

long (longer than ear)

medium weak to medium

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium to strong medium to strong strong

semi-erect to intermediate very short to short absent early to medium strong strong 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:	M. P. as to Law
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	Madian
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):	
	Whitish
Kernel- colour of aleurone layer: *Grain- rachilla hair type:	
	Long
Grain- rachilla length: Grain- rachilla - length of tip hairs:	
Grain- rachina - length of up hans: Grain- spiculation of inner lateral nerves:	Absort or vory wook
	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- ventral furrow - presence of nairs: *Grain- husk:	
"Grain- husk: Grain- length of lodicles ("collar" type only):	
Grain- length of lodicies ( conar ' type only): Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	spring
EAU a Chai acter 5.	

\* = Characteristics which should always be included in the description of the variety. 30 March 2015



AFP 2/1937 MINSTREL

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium to dense medium parallel

long (longer than ear)

medium to long medium

divergent

equal

strongly coloured ("blue") present weak (1-2 per nerve) short absent clasping ("collar" type)

strong weak to medium medium

semi-erect to intermediate short to medium absent early strong medium semi-erect



# AFP 2/2542 MOMENTUM

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium tapering to parallel

long (longer than ear)

medium weak to medium

divergent full equal

strongly coloured ("blue") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong very weak to weak medium

intermediate medium absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2551 MONTOYA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short tapering

long (longer than ear)

medium weak to medium

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium medium to strong

intermediate short to medium absent early to medium strong medium to strong semi-erect



# AFP 2/2423 MOONSHINE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium long parallel

+/- equal to longer

long medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong strong strong

intermediate short absent early strong medium semi-erect to horizontal



# AFP 2/2575 NATASIA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

long (longer than ear)

medium medium to strong

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong to very strong medium strong to very strong

semi-prostrate short to medium absent medium medium to strong medium to strong semi-erect



# AFP 2/1966 NFC TIPPLE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium parallel

long (longer than ear)

medium medium

divergent

equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong weak to medium medium to strong

semi-erect short to medium absent medium medium to strong medium semi-erect



# AFP 2/2710 NORTHSTAR

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long tapering

medium

medium medium

divergent full equal

whitish present absent or v. weak short absent clasping

medium to strong medium medium to strong

intermediate medium absent late medium to strong medium erect to semi-erect



# AFP 2/2699 OCTAVIA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium tapering

long

medium weak to medium

divergent full equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium

intermediate very short to short absent medium to late medium to strong medium erect to semi-erect



AFP 2/2470 ODYSSEY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium to long weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium strong

intermediate short to medium absent early to medium strong medium erect to semi-erect



# AFP 2/2701 OLYMPUS

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax short to medium tapering

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

intermediate very short absent medium to late medium to strong strong erect to semi-erect



AFP 2/1188 OPTIC

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

long (longer than ear)

medium weak

divergent

equal

whitish ("white") present strong (5-10 per nerve) long absent clasping ("collar" type)

weak to medium weak weak

intermediate medium absent medium strong medium to strong semi-recurved



# AFP 2/2790 ORBITAL

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two very lax medium to long tapering

medium

medium weak to medium

n/a none or rudimentary longer

whitish present absent or v. weak short absent clasping

medium to strong medium to strong medium

intermediate short to medium absent medium to late medium weak to medium semi-erect



AFP 2/2792 ORIGIN

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium parallel

long

short very weak

n/a none or rudimentary longer

whitish present absent or v. weak short absent clasping

strong weak to medium weak to medium

intermediate short absent medium to late medium semi-erect



# AFP 2/2788 OVATION

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium parallel

long

short to medium weak

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

medium to strong medium medium to strong

semi-erect to intermediate short absent medium medium to strong medium semi-erect



# AFP 2/2465 **OVERTURE**

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium weak

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong absent or very weak strong

semi-erect to intermediate short to medium absent early to medium strong medium erect to semi-erect



AFP 2/2632

# CHARACTERS IN DETAIL

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax short to medium parallel

medium (+/- equal to ear)

medium weak

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium medium to strong

intermediate short absent early to medium medium to strong absent or very weak erect to semi-erect



# AFP 2/2418 **PANTHER**

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium to long parallel

long (longer than ear)

medium to long medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong very weak to weak strong

intermediate short absent early medium to strong medium semi-erect



# AFP 2/2694 **PATHFINDER**

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium short to medium parallel

medium to long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

weak to medium weak medium

intermediate very short absent medium to late medium to strong strong semi-erect



# AFP 2/2123 **PENTHOUSE**

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium tapering

medium to long

medium to long strong

divergent full longer

whitish absent absent or v. weak long absent clasping

strong weak medium

semi-erect to intermediate short to medium absent medium medium medium to strong semi-erect to horizontal



AFP 2/1575 **PEWTER** 

# **CHARACTERS IN DETAIL**

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 characters Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg.

semi-erect to intermediate short absent medium strong medium horizontal



# AFP 2/2563 PINOCCHIO

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium parallel

medium to long

short medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong to v.strong weak very strong

intermediate to semi prostrate medium to long absent early to medium strong medium to strong horizontal



AFP 2/2715

# PIPER

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium tapering

long

short to medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong weak to medium medium to strong

intermediate short absent medium to late medium to strong strong erect to semi-erect



# AFP 2/2130

# PRAGUE

# **CHARACTERS IN DETAIL**

- Ear
  - Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium tapering to parallel

long (longer than ear)

medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

weak to medium very weak to weak weak

semi-erect short absent medium to late medium to strong medium to strong semi-erect



# AFP 2/2569 PRODIGAL

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium short parallel

long

short to medium weak to medium

divergent full equal

whitish present absent or v. weak short absent frontal

medium to strong medium to strong strong

semi-erect medium absent early strong strong semi-erect



AFP 2/2336 PROPINO

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

short to medium weak

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium medium to strong

intermediate medium absent very early to early strong weak to medium semi-erect to horizontal



# AFP 2/2119 PUBLICAN

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

long (longer than ear)

medium weak to medium

divergent full equal

whitish ("white") present v. weak to weak long absent clasping ("collar" type)

medium to strong medium medium

intermediate short to medium absent medium to late medium medium to strong horizontal



# AFP 2/2121 QUENCH

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

long (longer than ear)

short to medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium to strong weak to medium medium

intermediate medium absent medium medium semi-erect to horizontal



# AFP 2/2608 RENAISSANCE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium tapering to parallel

long (longer than ear)

short to medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium to strong medium

intermediate medium absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2688 RGT CONQUEST

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax short to medium parallel

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium

intermediate medium absent medium to late medium to strong medium to strong erect to semi-erect



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 lodicles ("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



# AFP 2/2562 RHYNCOSTAR

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

# Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two very lax to lax medium parallel

long (longer than ear)

medium to long medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong weak to medium strong

semi-erect to intermediate short absent early strong strong erect to semi-erect



AFP 2/1203 **RIVIERA** 

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium to dense medium parallel

long (longer than ear)

medium medium to strong

divergent

equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium weak weak to medium

semi-erect to intermediate short to medium absent early strong to very strong medium to strong semi-erect to horizontal



# AFP 2/2572 SANETTE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short tapering

long (longer than ear)

medium weak

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium strong

intermediate short absent early to medium strong strong erect to semi-erect



# AFP 2/2713 SCHOLAR

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax short to medium tapering

medium

medium medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong weak medium to strong

intermediate very short absent medium medium to strong medium to strong erect to semi-erect



AFP 2/2642 SHADA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium to long parallel

medium (+/- equal to ear)

medium medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

medium medium medium

intermediate short absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2478 SHANDY

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long

medium medium

divergent full equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

intermediate short to medium absent medium strong medium to strong erect to semi-erect



# AFP 2/2646 SHALOO

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

# Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium to long parallel

long (longer than ear)

medium to long medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium to strong weak to medium medium to strong

intermediate medium absent early to medium medium to strong medium erect to semi-erect



# AFP 2/2775 **SNAPPER**

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium parallel

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong weak to medium medium

intermediate medium absent medium to late medium to strong medium semi-erect



# AFP 2/2397 SHUFFLE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium weak to medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong very weak to weak strong

intermediate short to medium absent early strong medium semi-erect



AFP 2/2697 SIENNA

# **CHARACTERS IN DETAIL**

# Ear

Number of rows
Density
Length
Shape

#### Awn

Length compared to ear

#### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short parallel

long

medium weak

divergent full equal

whitish present absent or v. weak short absent clasping

strong weak medium

intermediate short to medium absent medium to late medium to strong medium erect to semi-erect



# AFP 2/2207 SNAKEBITE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

# Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium parallel

+/- equal to longer

medium medium

divergent full equal

whitish ("white") present v. weak to weak long absent clasping ("collar" type)

weak to medium weak weak to medium

intermediate very short to short absent medium to late strong strong semi-erect



AFP 2/2485 **SOLDO** 

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium

long

medium to long medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong to very strong medium to strong strong

semi-erect to intermediate short to medium absent medium to late medium to strong medium semi-erect to horizontal



# AFP 2/2568 SPARKLE

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

# Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium parallel

long (longer than ear)

medium weak to medium

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

strong absent or very weak medium

semi-erect to intermediate short to medium absent early to medium strong to very strong medium semi-erect



AFP 2/2402 SUMIT

# **CHARACTERS IN DETAIL**

# Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

# Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium parallel

long

medium very weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak medium to strong

intermediate to semi-prostrate very short to short absent early strong to very strong medium semi-erect



# SW CATRIONA

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

### **Plant growth characters**

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium absent or very weak weak

semi-erect medium absent medium strong weak semi-erect



# AFP 2/3003 SW MAKOF

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type)

medium absent or very weak weak

intermediate medium absent medium strong weak semi-erect



# AFP 2/2496 SY ABOYNE

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium to long parallel

long

medium weak

divergent full equal

whitish present absent or v. weak short absent clasping

strong weak medium to strong

intermediate short to medium absent early strong to very strong medium semi-erect



# AFP 2/2497 SY BARRELL

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium

long

medium weak

divergent full equal

whitish present absent or v. weak long absent clasping

strong weak to medium strong to very strong

intermediate medium absent early to medium medium to strong medium semi-erect



# AFP 2/2494 SY FIRKIN

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax medium parallel

long

medium to long weak to medium

n/a none or rudimentary longer

whitish present absent or v. weak long absent clasping

strong weak medium to strong

intermediate short to medium absent early to medium strong medium to strong erect to semi-erect



# AFP 2/2398 SY TABERNA

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium to long parallel

long (longer than ear)

long weak to medium

divergent full longer

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong very weak to weak strong

intermediate medium absent early strong to very strong medium semi-erect



AFP 2/2541 TESLA

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium tapering

long

long very weak

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong medium strong

intermediate short to medium absent early to medium strong medium to strong semi-erect



# AFP 2/2498 SY UNIVERSAL

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

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

long

medium weak to medium

divergent full longer

whitish present absent or v. weak short absent clasping

medium to strong medium strong

semi-erect to intermediate medium absent early strong medium semi-erect



# AFP 2/2782 TOTEM

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium short to medium tapering

long

short to medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong medium medium

semi-erect to intermediate short to medium absent medium to late medium to strong medium erect to semi-erect



# AFP 2/1957 TOUCAN

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

### Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two lax to medium medium parallel

+/- equal to longer

medium to long medium

divergent full equal

whitish ("white") present absent/v. weak (0-2 per nerve) short absent clasping ("collar" type)

strong medium medium

intermediate medium absent early to medium medium to strong medium semi-erect



# AFP 2/2717 **VAULT**

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

#### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two very lax to lax medium to long tapering

long

medium weak to medium

n/a none or rudimentary equal

whitish present very weak to weak short absent clasping

medium weak to medium medium to strong

intermediate short absent medium to late medium to strong medium to strong erect to semi-erect



# AFP 2/1963 WAGGON

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium to dense medium to long parallel

long (longer than ear)

medium medium to strong

divergent full equal

whitish ("white") present weak (1-2 per nerve) long absent clasping ("collar" type)

strong medium medium

semi-erect to intermediate medium absent medium medium weak to medium horizontal



# AFP 2/1939 WESTMINSTER

# **CHARACTERS IN DETAIL**

## Ear

Number of rows Density Length Shape

#### Awn

Length compared to ear

## Rachis

Length of first segment Curvature of first segment

### Spikelet

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

## Grain

Kernel - colour of aleurone layer Husk - presence after harvest Spiculation of inner lateral nerves Rachilla hair type Ventral furrow - presence of hairs Disposition of lodicules

## Anthocyanin colouration

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

## Plant growth characters

Plant - growth habit Plant - length Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. two medium medium parallel

long (longer than ear)

medium weak to medium

divergent

equal

whitish ("white") present medium (3-5 per nerve) short absent clasping ("collar" type)

strong weak medium

intermediate to semi-prostrate medium to long absent early to medium strong weak to medium horizontal to semi-recurved

