### 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 2/2986

### **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 two medium to dense short to medium parallel

long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium to strong medium to strong

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



AFP 2/2838

### **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 to very long

short weak

divergent full equal

whitish present absent or v. weak short absent clasping

strong absent or very weak medium

intermediate medium absent late medium to 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 2/2987 ACROWAN

### **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 two medium to dense short to medium parallel

long

short to medium medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong strong medium

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



### 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 2/1666

# **ADONIS**

### **CHARACTERS IN DETAIL**

Ear	
Number of rows	two
Density	lax
Length	medium to long
Shape	tapering
Awn	
Length compared to ear	long
Rachis	
Length of first segment	medium
Curvature of first segment	medium
Spikelet	
Sterile spikelet - attitude	divergent
Sterile spikelet - development	C
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	weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping
Anthocyanin colouration	
Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	weak to medium
Plant growth characters	
Plant - growth habit	semi-erect to inter
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium

Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude

g

ermediate medium strong to very strong medium semi-recurved



### 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:	·
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Medium
*Plant height:	Medium
Collar type:	
Rachis- length of first segment:	Short
Rachis- width of first segment:	
Rachis- curvature of first segment:	
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Long
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	Medium
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	-r8

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



30 March 2015

# Variety Name: Anaconda

### **Crop:** Spring Barley

Breeders Reference: AC 99314/71	AFP No: 2/2111	
Breeder: Dr J Agkermann & Co	Translated from: German	
Origin:	Date: 24 November 2011	
Code: ANAC		
*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:		
Flag leaf- glaucosity of sheath:		
*Ear- glaucosity:	medium to strong	
Ear- attitude:		
Ear- length:	medium to long	
*Ear- number of rows:	two	
*Ear- density:	lax to medium	
Ear- shape:	tapering to parallel	
*Awn- anthocyanin colouration of the tips:	medium to strong	
*Awn- length compared to ear:	short	
Awn- spiculation of margins:		
*Sterile spikelet-attitude:	parallel to weakly divergent	
Sterile spikelet-shape of tip:		
Sterile spikelet- length of lemma:		
Median spikelet- length of glume + awn cf grain:		
Lemma nerves- anthocyanin colouration:		
*Plant height:	short	
Collar type:		
Rachis- length of first segment:		
Rachis- width of first segment:		
Rachis- curvature of first segment:		
Rachis- shape of first segment:		
Rachis(2-row)- humping of segments (mid third):		
Rachis(6-row)- degree of zig-zag (mid third):	whitish ("white")	
Kernel- colour of aleurone layer: *Grain- rachilla hair type:	whitish ("white")	
Grain- rachilla length:	long	
8		
Grain- rachilla - length of tip hairs: Grain- spiculation of inner lateral nerves:	absent to weak	
Grain- spiculation of outer lateral nerves:	absent to weak	
Grain- spiculation of outer lateral nerves: Grain- anthocyanin colouration of lemma nerves:	medium to strong	
*Grain- ventral furrow - presence of hairs:	absent	
*Grain- ventral furrow - presence of nairs: *Grain- husk:		
Grain- length of lodicles ("collar" type only):	present	
Grain- disposition of lodicules:		
*Seasonal type:	spring	
Extra characters:	spring	
ZAVA W MALAUCOLDI		
* = Characteristics which should always be included in the	description of the variety.	06 May 2020

NIAB

### Crop: Spring barley

Breeders Reference: SWA 09090	AFP No:
Breeder: Lantmannen	Translated from: Finnish
Origin:	Date: 04 April 2019
Code: ANNE	
*Plant - growth habit:	Semi-erect-to intermediate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence: *Flag loof on the engine colourstion of our island	Medium
*Flag leaf- anthocyanin colouration of auricles:	Present
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Medium
*Ear- glaucosity:	Medium
Ear- attitude:	Semi erect-horizontal
Ear-length:	Medium to long
*Ear- number of rows:	Two
*Ear- density:	Lax to medium
Ear- shape:	Tapering-parallel
*Awn- anthocyanin colouration of the tips:	Present
*Awn- length compared to ear:	Short to medium
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:	Very weak to weak
*Plant height:	
Collar type:	<b>G1</b>
Rachis- length of first segment:	Short to medium
Rachis- width of first segment:	<b>C</b> ture of
Rachis- curvature of first segment:	Strong
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	XX70. 1. 1
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:	X7
Grain- anthocyanin colouration of lemma nerves:	Very weak to weak
*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. 11 April 2019



### 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 2/2683 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 2/2631 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

### Variety Name: Arwen



Breeder: Senova Ltd

### Origin:

Code: ARWN

*Plant - growth habit:	Intermediate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Medium
*Flag leaf- anthocyanin colouration of auricles:	Srong to very strong
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	
*Ear- glaucosity:	Medium to strong
Ear- attitude:	Semi erect to horizontal
Ear- length:	Medium
*Ear- number of rows:	Two
*Ear- density:	Medium
Ear- shape:	Tapering to parallel
*Awn- anthocyanin colouration of the tips:	Medium to strong
*Awn- length compared to ear:	Medium to long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Medium
*Plant height:	
Collar type:	Short to medium
Rachis- length of first segment:	Medium
Rachis- width of first segment:	Medium
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:	
*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:	

AFP No: 2/2678

### Translated from: German

Date: 23 March 2017

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

SPRING BARLEY

AFP 2/2633 **AVALON** 



28 March 2017

### **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 2/2854 AVENGER

### **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 tapering

long

medium medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium strong medium to strong

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



### AFP 2/3084 BARBARELLA

### **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 two lax to medium medium to long tapering to parallel

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



# Variety Name: Beatrix

## Crop: Spring Barley

Breeders Reference: NORD 01/2449	<b>AFP No:</b> 2/2047
Breeder: Noordstat Saatzuchtgesellschaft	Translated from: German
Origin:	Date: 22 March 2004
Code: BEAT	
*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:	low to medium
Flag leaf- glaucosity of sheath:	strong
*Ear- glaucosity:	strong
Ear- attitude:	semi-erect to horizontal
Ear- length:	short
*Ear- number of rows:	two
*Ear- density:	medium
Ear- shape:	parallel
*Awn- anthocyanin colouration of the tips:	medium to strong
*Awn- length compared to ear:	medium to long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	absent or rudimentary
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	short to medium
Collar type:	
Rachis- length of first segment:	short to medium
Rachis- width of first segment:	
Rachis- curvature of first segment:	moderately curved
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	whitish ("white")
*Grain- rachilla hair type:	long
Grain- rachilla length:	
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:	
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 ("collar" type)
*Seasonal type:	spring
Extra characters:	

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

16 May 2018



### 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 2/3200

### **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 two lax to medium long parallel

long

medium to long weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium

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



### AFP 2/2104 CALICO

### **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

medium strong

divergent full equal

whitish present absent or v. weak long absent clasping

medium to strong medium to strong strong

semi-erect medium absent early medium to strong medium Horizontal



AFP 2/3290 CB SCORE

### **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 two lax medium to long tapering

long

medium very weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong strong medium to strong

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



### 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 2/2985 CHANCELLOR

### **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 two medium short to medium parallel

### long

medium medium to strong

divergent full equal

whitish present absent or v. weak long absent clasping

strong weak to medium medium

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



### AFP 2/3086 CHANDRA

### **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 two medium medium tapering to parallel

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



### AFP 2/2841 CHANSON

### **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 to very long

medium medium

n/a none or rudimentary longer

whitish present absent or v. weak long absent clasping

medium to strong medium to strong medium

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



### 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 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



### AFP 2/2396

### 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



AFP 2/20028

### 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



### AFP 2/2537 CHILL

### **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 2/2931 CHOICE

# **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 two lax medium parallel

long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

intermediate to semi-prostrate short to medium absent medium to late strong medium semi-erect to 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 2/1490 CINDY

# **CHARACTERS IN DETAIL**

# Ear

Ear	
Number of rows	two
Density	lax to medium
Length	medium
Shape	tapering
Awn	
	long
Length compared to ear	long
Rachis	
Length of first segment	medium
Curvature of first segment	strong
Spikelet	
Sterile spikelet - attitude	divergent
Sterile spikelet - development	0
Median spikelet - length of glume+awn cf grain	equal
	1
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
1	1 0
Anthocyanin colouration	
Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium
Plant growth characters	
Plant - growth habit	semi-erect
Plant - length	long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	horizontal
	nonzonul



# 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 two medium medium parallel

long

medium medium

divergent full equal

weakly coloured present v. weak to weak short absent clasping

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: Cosmopolitan

Crop: Spring Barley

Breeders Reference: SJ 152037	AFP No:
Breeder: Sejet	Translated from:
Origin:	Date: 05 April 2018
Code: COSM	
*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
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Strong to very strong
*Ear- glaucosity:	Medium to strong
Ear- attitude:	Erect to semi erect
Ear- length:	Short to medium
*Ear- number of rows:	Two
*Ear- density:	Medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Strong
*Awn- length compared to ear:	Long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	N/A
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Equi
*Plant height:	
Collar type:	
Rachis- length of first segment:	Short to medium
Rachis- width of first segment:	Short to medium
Rachis- curvature of first segment:	Medium
8	Medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	XX71 '.' 1
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:	
*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. 16 May 2018



# AFP 2/2797 CRESCENDO

# **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 two lax medium to long parallel

medium

medium weak

divergent full equal

weakly coloured present absent or v. weak short absent clasping

strong weak medium

semi-erect to intermediate short to medium 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:	<b>Date:</b> 25 March 2004
Code: CRST	
*Plant - growth habit:	intermediate
*Lower leaves - hairiness of leaf sheaths:	absent
*Time of ear emergence:	medium
*Flag leaf- anthocyanin colouration of auricles:	medium to strong
Frequency of plants with recurved flag leaves:	low to medium
Flag leaf- glaucosity of sheath:	strong
*Ear- glaucosity:	strong
Ear- attitude:	horizontal
Ear- length:	long
*Ear- number of rows:	two
*Ear- density:	medium
Ear- shape:	parallel
*Awn- anthocyanin colouration of the tips:	medium
*Awn- length compared to ear:	medium (+/- equal to ear)
Awn- spiculation of margins:	-
*Sterile spikelet-attitude:	divergent
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	medium
Collar type:	
Rachis- length of first segment:	medium
Rachis- width of first segment:	
Rachis- curvature of first segment:	weak to medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	whitish ("white")
*Grain- rachilla hair type:	long
Grain- rachilla length:	medium
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	absent or very weak (0-2 per nerve)
Grain- spiculation of outer lateral nerves:	shallow
Grain- anthocyanin colouration of lemma nerves:	medium to strong
*Grain- ventral furrow - presence of hairs:	absent
*Grain-husk:	present
Grain-length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	clasping ("collar" type)
*Seasonal type: Extra characters:	spring
exira 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



# AFP 2/2276 CROPTON

## **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 to medium

divergent full equal

whitish present v. weak to weak short absent clasping

strong weak to medium medium

intermediate very short to short absent medium strong medium horizontal



AFP 2/2486

# **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 2/1411 DECANTER

# **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 tapering

long

medium weak

divergent full equal

weakly coloured present absent or v. weak short absent clasping

strong medium to strong medium to strong

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



# 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 2/2702 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 2/2870 DIOPTRIC

# **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 two medium short to medium tapering

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium to strong medium

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



# AFP 2/3342 DIVINER

## **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 two medium to dense short parallel

long

short to medium weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

medium to strong medium medium to strong

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



# AFP 2/2548 EDITHA

# **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

long medium

n/a none or rudimentary longer

whitish present absent or v. weak long absent clasping

strong medium to strong medium to strong

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



# Variety Name: EMBRACE

# Crop: Spring Barley

Breeders Reference: SJ 148377	AFP No:
Breeder: SEJET	Translated from: German
Origin:	<b>Date:</b> 15 May 2018
Code: EMBR	
*Plant - growth habit:	Intermediate to semi prostrate
*Lower leaves - hairiness of leaf sheaths:	
*Time of ear emergence:	
*Flag leaf- anthocyanin colouration of auricles:	Strong
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Strong to very strong
*Ear- glaucosity:	
Ear- attitude:	Erect to semi erect
Ear- length:	Short to medium
*Ear- number of rows:	Two
*Ear- density:	Medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Strong
*Awn- length compared to ear:	Long
Awn- spiculation of margins:	C
*Sterile spikelet-attitude:	Non or rudimentary
Sterile spikelet-shape of tip:	2
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	1
*Plant height:	Medium
Collar type:	
Rachis- length of first segment:	Short to medium
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	Weddian
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:	Short
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	Rosent of very weak
Grain- anthocyanin colouration of lemma nerves:	Weak to medium
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	i itselit
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Clasping
· -	Spring
Extra characters:	

\* = Characteristics which should always be included in the description of the variety. 16 May 2018



# Variety Name: EVELINA

# Crop: Spring Barley

Breeders Reference: SE 501/05SG	AFP No:
Breeder: Landwirtschaftliche Fachschule Edelhof Saatzucht	Translated from: German
Origin:	Date: 12 June 2015
Code: EVEL	
*Plant - growth habit:	semi erect
*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:	low to medium
Flag leaf- glaucosity of sheath:	strong to very strong
*Ear- glaucosity:	medium
Ear- attitude:	semi erect`
Ear- length:	medium to long
*Ear- number of rows:	two
*Ear- density:	medium to dense
Ear- shape:	tapering to parallel
*Awn- anthocyanin colouration of the tips:	strong
*Awn- length compared to ear:	medium to long
Awn- spiculation of margins:	e
*Sterile spikelet-attitude:	divergent
Sterile spikelet-shape of tip:	e
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	
Lemma nerves- anthocyanin colouration:	
*Plant height:	tall
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:	white
*Grain- rachilla hair type:	long
Grain- rachilla length:	C C
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	absent to very weak
Grain- spiculation of outer lateral nerves:	2
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. 08 March 2016



# 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:	<b>G1</b>
Rachis- length of first segment:	Short
Rachis- width of first segment:	M. P
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:	
Grain- rachilla length:	Long
Grain- rachilla - length of tip hairs:	
Grain- racinita - length of the name. Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	Absent of very weak
Grain- spiculation of outer lateral herves. Grain- anthocyanin colouration of lemma nerves:	Medium to strong
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- ventral furrow - presence of nairs: *Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	I ICOUIT
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	oping
LAU a Unal autors.	

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



# Variety Name: Explorer

# **Crop:** Spring Barley

Breeders Reference:	AFP No:
Breeder: Secobra Recherches	Translated from: French
Origin:	Date: 11 March 2014
Code: EXPL	
*Plant - growth habit:	Intermediate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Early to medium
*Flag leaf- anthocyanin colouration of auricles:	Strong to very strong
Frequency of plants with recurved flag leaves:	Medium
Flag leaf- glaucosity of sheath:	Strong to very strong
*Ear- glaucosity:	Absent or very weak
Ear- attitude:	Semi erect to horizontal
Ear- length:	Short to medium
*Ear- number of rows:	Two
*Ear- density:	Medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Medium to strong
*Awn- length compared to ear:	Medium to long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	
Collar type:	
Rachis- length of first segment:	Medium
Rachis- width of first segment:	
<b>Rachis- curvature of first segment:</b>	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:	Clasoing
*Seasonal type:	Spring
Extra characters:	

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



# AFP 2/2777 **FAIRING**

# **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

medium

medium to long medium

divergent full equal

whitish present absent or v. weak long absent clasping

medium to strong medium to strong medium

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



# Variety Name: Fairytale

# **Crop:** Spring Barley

Breeders Reference: SJ 032231	<b>AFP No:</b> 2/2191
Breeder: Sejet Planteforaedling	Translated from: Danish
Origin:	Date: 28 February 2007
Code: FAIR	
*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 to high
Flag leaf- glaucosity of sheath:	strong
*Ear- glaucosity:	strong
Ear- attitude:	semi-erect to horizontal
Ear-length:	medium
*Ear- number of rows:	two
*Ear- density:	medium
Ear-shape:	parallel
*Awn- anthocyanin colouration of the tips:	strong
*Awn- length compared to ear:	medium (+/- equal to ear)
Awn- spiculation of margins:	deficiens
*Sterile spikelet-attitude:	N/A
Sterile spikelet-shape of tip: Storile spikelet, length of lemma:	N/A N/A
Sterile spikelet- length of lemma: Madian gnikelet- length of glume + own of grains	N/A
Median spikelet- length of glume + awn cf grain: Lemma nerves- anthocyanin colouration:	
*Plant height:	medium
Collar type:	medium
Rachis- length of first segment:	short
Rachis- width of first segment:	Short
Rachis- which of first segment:	medium
Rachis- shape of first segment:	medium
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:	long
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:	
Grain- anthocyanin colouration of lemma nerves:	weak
*Grain- ventral furrow - presence of hairs:	absent
*Grain- husk:	present
Grain-length of lodicles ("collar" type only):	r
Grain- disposition of lodicules:	clasping ("collar" type)
*Seasonal type:	spring
Extra characters:	1 0

\* = Characteristics which should always be included in the description of the variety. 20 March 2019



Breeders Reference: NOS 111.390-52	AFP No:
Breeder: Nordic Seeds A/S	Translated from:
Origin:	<b>Date:</b> 05 May 2020
Code: RWAY	
*Plant - growth habit:	Intermediate to semi prostrate
*Lower leaves - hairiness of leaf sheaths:	
*Time of ear emergence:	Medium
*Flag leaf- anthocyanin colouration of auricles:	Strong to very strong
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Strong to very satrong
*Ear- glaucosity:	Medium to 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:	NA
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	
Collar type:	
Rachis- length of first segment:	Medium
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	<b>W</b> 71-:4:-1-
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Short
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	Strong
Grain- anthocyanin colouration of lemma nerves:	Strong
*Grain- ventral furrow - presence of hairs: *Grain- husk:	Absent
	Present
Grain-length of lodicles ("collar" type only):	Cleaning
Grain- disposition of lodicules: *Seasonal type:	Clasping
*Seasonal type: Extra characters:	
EAU & CHAFACUEIS;	

\* = Characteristics which should always be included in the description of the variety. 06 May 2020



# AFP 2/3194 **FANGIO**

# **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 two lax to medium medium tapering

medium to long

medium medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak medium to strong

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



# 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 2/3085 FIREFOXX

# **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 two very lax to lax medium to long parallel

long

long medium to strong

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



AFP 2/3091 **FLYER** 

# **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 two lax medium parallel

long

medium to long weak to medium

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 medium absent medium strong strong 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 2/3083 GEORGINA

# **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 two lax to 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

strong weak to medium medium to strong

intermediate long absent late medium to 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 2/421 GOLF

# **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 two lax to medium medium parallel

#### long

short to medium strong

divergent

#### shorter

whitish present absent or v. weak long absent

strong medium medium to strong

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



# AFP 2/2995 GULLIVER

# **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 two medium medium parallel

long to very long

short to medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong medium to strong medium to strong

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



# Crop: Spring Barley

Breeders Reference: NORD 13/2330	AFP No:
Breeder: NORDSAAT	Translated from: German
Origin:	Date: 15 May 2018
Code: HAMB	
*Plant - growth habit:	Intermediate to semi prostrate
*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:	
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Strong
Ear- attitude:	Semi recurved
Ear-length:	Medium to long
*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:	Non or rudimentary
Sterile spikelet-shape of tip:	NA
Sterile spikelet- length of lemma:	NA
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	Short to medium
Collar type:	
Rachis- length of first segment:	Medium
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium to strong
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:	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. 16 May 2018



# AFP 2/3183 HARRISON

# **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 two lax to medium medium tapering to parallel

long to very long

medium to long medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak medium

intermediate medium absent early to medium medium strong 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 2/1936 HENLEY

# **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

divergent

equal

strongly coloured present medium long absent clasping

strong weak to medium medium

intermediate medium absent very early to early strong medium horizontal



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 2/3090

# **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 two lax to medium medium parallel

long

short to medium medium to strong

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 long absent medium strong medium to strong 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:

Breeders Reference:	<b>AFP No:</b> 2/2681	
Breeder: Sejt Planteforaedling I/S	Translated from: Dutch	
Origin:	Date: 23 March 2015	
Code: Invi		
*Plant - growth habit:	Imediate to semi prostrate	
*Lower leaves - hairiness of leaf sheaths:		
*Time of ear emergence:		
*Flag leaf- anthocyanin colouration of auricles:	Strong	
Frequency of plants with recurved flag leaves:	Medium	
Flag leaf- glaucosity of sheath:	Strong to very strong	
*Ear- glaucosity:	Strong to very strong	
Ear- attitude:	Horizontal to semi recurved	
Ear- length:	Medium	
*Ear- number of rows:	Two	
*Ear- density:	Lax to medium	
Ear- shape:	Parallel	
*Awn- anthocyanin colouration of the tips:		
*Awn- length compared to ear:		
Awn- spiculation of margins:		
*Sterile spikelet-attitude:	Non or rudimentary	
Sterile spikelet-shape of tip:		
Sterile spikelet- length of lemma:		
Median spikelet- length of glume + awn cf grain:		
Lemma nerves- anthocyanin colouration:	Medium	
*Plant height:	Medium	
Collar type:		
Rachis- length of first segment:		
Rachis- width of first segment:		
Rachis- curvature of first segment:		
Rachis- shape of first segment:		
Rachis(2-row)- humping of segments (mid third):		
Rachis(6-row)- degree of zig-zag (mid third):		
Kernel- colour of aleurone layer:	Whitish	
*Grain- rachilla hair type:	Short	
Grain- rachilla length:		
Grain- rachilla - length of tip hairs:		
Grain- spiculation of inner lateral nerves:	Absent or very weak	
Grain- spiculation of outer lateral nerves:		
Grain- anthocyanin colouration of lemma nerves:		
*Grain- ventral furrow - presence of hairs:	Absent	
*Grain- husk:	Present	
Grain- length of lodicles ("collar" type only):		
Grain- disposition of lodicules:		
*Seasonal type:	Spring	
Extra characters:		

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



### AFP 2/3283

# **JENSEN**

# **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 two medium to dense medium tapering

long

long very weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

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



# 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 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 2/2849 KWS CASHMERE

# **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 tapering

long

medium weak to medium

n/a none or rudimentary longer

whitish present absent or v. weak short absent clasping

medium to strong medium medium

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



# AFP 2/3356 KWS CURTIS

# **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 two medium to dense short to medium parallel

long to very long

medium weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong very weak to weak medium

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



# AFP 2/2993 **KWS ELSIE**

# **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 two lax to medium medium tapering

long

short medium

divergent full equal

whitish present absent or v. weak short absent clasping

medium to strong weak to medium medium to strong

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



# AFP 2/3461 KWS EMRIS

# **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 two medium short to medium tapering

medium to long

medium weak to medium

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong medium to strong medium to strong

intermediate short to medium absent medium strong medium to strong 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 2/2852 KWS LOXANNE

# **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 short tapering

long to very long

short to medium weak

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 strong medium to strong semi-erect to horizontal



# 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 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 2/3099 LG BRONCO

# **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 two lax to medium medium parallel

long

long weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium to strong

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



# AFP 2/2907 LG DIABLO

# **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 two lax to medium short to medium parallel

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

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



# AFP 2/3172 LG ENCHANT

# **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 two lax to medium 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 to strong

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



# AFP 2/3352 LG FLAMENCO

# **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 two medium to dense medium tapering

long

medium very weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

medium to strong medium to strong

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



# AFP 2/3097 LG FURLONG

# **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 two lax long parallel

long

medium to long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong weak to medium medium to strong

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



## AFP 2/2999 LG GODDESS

## **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 two medium to dense medium parallel

long

medium to long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong strong medium

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



## AFP 2/2908 LG LODESTAR

## **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 two medium short to medium parallel

long

long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak medium to strong

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



## AFP 2/3178 LG MERMAID

## **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 two lax to medium 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

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



## AFP 2/2845 LG OPERA

## **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

short to medium weak

n/a none or rudimentary longer

whitish present absent or v. weak short absent clasping

strong strong medium

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



## AFP 2/2847 LG ROCKSTAR

## **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 very short tapering

long to very long

short to medium medium

divergent full equal

whitish present absent or v. weak short absent clasping

strong medium medium

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



## AFP 2/3100 LG SERENGETI

## **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 two very lax to lax long tapering to parallel

long

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



## AFP 2/3175 LG SUNSET

## **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 two lax to medium medium parallel

long

medium to long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak weak to medium

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



## AFP 2/2901 LG TOMAHAWK

## **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 two medium medium parallel

long

medium to long medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong medium medium

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



## AFP 2/2857 LIMONA

## **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

medium to long medium to strong

n/a none or rudimentary equal

weakly coloured present absent or v. weak short absent clasping

weak to medium absent or very weak weak to medium

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



# Variety Name: Lucienne

Crop:

Breeders Reference: BE2007011006	<b>AFP No:</b> 2/2885
Breeder: LS Plant Breeding Ltd	Translated from: German
Origin:	Date: 23 March 2017
Code: LUCI	
*Plant - growth habit:	Semi prostrate
*Lower leaves - hairiness of leaf sheaths:	Present
*Time of ear emergence:	Medium
*Flag leaf- anthocyanin colouration of auricles:	Medium
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Absent or very weak
Ear- attitude:	Semi erect to horizontal
Ear- length:	Short
*Ear- number of rows:	More than two
*Ear- density:	Medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Medium to strong
*Awn- length compared to ear:	Long
Awn- spiculation of margins:	6
*Sterile spikelet-attitude:	
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	
Lemma nerves- anthocyanin colouration:	
*Plant height:	Long to very long
Collar type:	
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	in the second second
Rachis- curvature of first segment:	Weak to medium
Rachis- shape of first segment:	Weak to medium
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	Weakly coloured
*Grain- rachilla hair type:	Long
Grain- rachilla length:	Long
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Weak to medium
Grain- spiculation of outer lateral nerves:	weak to medium
-	
Grain- anthocyanin colouration of lemma nerves: *Grain- ventral furrow - presence of hairs:	Present
-	
*Grain- husk: Croin- length of ledisles ("coller" type only):	Present
Grain- length of lodicles ("collar" type only):	Classing
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Winter
Extra characters:	

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



# Variety Name: Luther

# Crop: Spring Barley

Breeders Reference: NORD 15/2448	AFP No:
Breeder: NORDSAAT	Translated from: German
Origin:	<b>Date:</b> 05 May 2020
Code: LTHE	
*Plant - growth habit:	Intermediate to semi prostrate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Early to medium
*Flag leaf- anthocyanin colouration of auricles:	Strong
Frequency of plants with recurved flag leaves:	~
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Strong
Ear- attitude:	Horizontal
Ear-length:	Medium to long
*Ear- number of rows:	Two
*Ear- density:	Medium to dense
Ear- shape:	Tapering
*Awn- anthocyanin colouration of the tips:	Strong to very strong
*Awn- length compared to ear:	Long to wery long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	Non rudamentory
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Strong
*Plant height:	Medium
Collar type:	
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	****
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Short
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	~
Grain- anthocyanin colouration of lemma nerves:	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.

06 May 2020



## AFP 2/2935 MAGNATA

## **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 two lax to medium medium parallel

long

short to medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

medium to strong medium medium to strong

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



## 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 to strong

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



#### AFP 2/3257

## MALVERN

## **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 two medium medium parallel

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong weak to medium strong

semi-erect to intermediate medium absent medium 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



## **Crop:** Spring Barley

Breeders Reference: VSB 347	<b>AFP No:</b> 2/1036
Breeder: VEB	Translated from: German
Origin:	Date: 01 February 1993
Code: MSI	
*Plant - growth habit:	intermediate to semi-prostrate
*Lower leaves - hairiness of leaf sheaths:	absent
*Time of ear emergence:	medium to late
*Flag leaf- anthocyanin colouration of auricles:	strong
Frequency of plants with recurved flag leaves:	low
Flag leaf- glaucosity of sheath:	strong
*Ear- glaucosity:	medium
Ear- attitude:	horizontal to semi-recurved
Ear- length:	
*Ear- number of rows:	two
*Ear- density:	medium
Ear- shape:	
*Awn- anthocyanin colouration of the tips:	medium
*Awn- length compared to ear:	
Awn- spiculation of margins:	present
*Sterile spikelet-attitude:	parallel to weakly divergent
Sterile spikelet-shape of tip:	rounded
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	
Lemma nerves- anthocyanin colouration:	
*Plant height:	short
Collar type:	
Rachis- length of first segment:	
Rachis- width of first segment:	
Rachis- curvature of first segment:	
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	whitish ("white")
*Grain- rachilla hair type:	long
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	absent to very weak (0-2 per nerve)
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:	
*Seasonal type:	spring
Extra characters:	Length of leaf blade short to medium; width
	leaf blade medium to broad.

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

28 March 2017

of



## AFP 2/2393 MARIONETTE

## **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

medium to long medium to strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong weak to medium medium to strong

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



## AFP 2/2935 MARIPOSA

## **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 two lax to medium medium parallel

long

short to medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

medium to strong medium medium to strong

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



## AFP 2/3360 MARONIS

## **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 two medium to dense short to medium parallel

long

medium to long weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong medium medium

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



AFP 2/2622 MARY

## **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



## **Crop:** Spring Barley

Breeders Reference:	AFP No:
Breeder: Saatzucht Josef Breun	Translated from: German
Origin:	Date: 15 September 2011
Code: MILF	
*Plant - growth habit:	Semi erect to intermediate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Early to medium
*Flag leaf- anthocyanin colouration of auricles:	Weak to medium
Frequency of plants with recurved flag leaves:	Very low to low
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Absent or very weak
Ear- attitude:	Semi erect
Ear-length:	Short to medium
*Ear- number of rows:	Two
*Ear- density:	Medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Medium
*Awn- length compared to ear:	Medium to long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	
Collar type:	
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	W/h-i4i-h
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:	Week
Grain- anthocyanin colouration of lemma nerves:	Weak
*Grain- ventral furrow - presence of hairs:	Absent
*Grain-husk:	
Grain- length of lodicles ("collar" type only):	Classing
Grain- disposition of lodicules:	Clasping
*Seasonal type: Extra characters:	Spring
Exit a cilaraciers;	

\* = 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 PANDA

## **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**

Ear	
Number of rows	two
Density	medium
Length	medium
Shape	tapering
Awn	
Length compared to ear	long
Rachis	
Length of first segment	medium
Curvature of first segment	medium
Spikelet	
Sterile spikelet - attitude	divergent
Sterile spikelet - development	-
Median spikelet - length of glume+awn cf grain	equal
Grain	
Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping
Anthocyanin colouration	
Flag leaf - auricles	weak to medium
Lemma nerves - at early dough	medium
Awn tips	medium
Plant growth characters	
Plant - growth habit	semi-erect to inter
Plant - length	short
Lower leaf - hairiness of sheaths	absent

Lower leaf - hairiness of sheaths Time of ear emergence Flag leaf - glaucosity of sheath Ear - glaucosity Ear - attitude 21 days after ear emerg. um intermediate

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



## **Crop:** Spring Barley

Breeders Reference: DZMHVN	AFP No:
Breeder: Gesellschaft	Translated from: German
Origin:	Date: 27 March 2018
Code: PIRO	
*Plant - growth habit:	Semi erect to intermediate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Early
*Flag leaf- anthocyanin colouration of auricles:	Very weak to weak
Frequency of plants with recurved flag leaves:	High
Flag leaf- glaucosity of sheath:	Medium to strong
*Ear- glaucosity:	Weak to medium
Ear- attitude:	Semi erect to horizontal
Ear-length:	Long
*Ear- number of rows:	Two
*Ear- density:	Lax
Ear-shape:	Tapering to parallel
*Awn- anthocyanin colouration of the tips:	Very weak to weak
*Awn- length compared to ear:	Short to medium
Awn- spiculation of margins:	Parallel
*Sterile spikelet-attitude: Sterile spikelet shone of time	Parallel
Sterile spikelet-shape of tip: Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Equal
*Plant height:	
Collar type:	
Rachis- length of first segment:	Long
Rachis- width of first segment:	Long
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	Weddulli
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Short
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	Weak to medium
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Absent
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. 28 March 2018



## AFP 2/3089

## **PLAYER**

## **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 two medium medium to long tapering to parallel

long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong weak to medium medium to strong

intermediate medium absent medium to late 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



## Crop: Spring Barley

Breeders Reference: SJ 148527	AFP No:
Breeder: Senova Ltd	Translated from: Danish
Origin:	<b>Date:</b> 04 May 2020
C C C C C C C C C C C C C C C C C C C	Dute: 04 May 2020
Code: PPECT	
*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:	Strong to very strong
Flag leaf- glaucosity of sheath:	Strong to very strong
*Ear- glaucosity:	
Ear- attitude:	Strong Erect to semi erect
	Medium
Ear- length: *Ear- number of rows:	Two
*Ear- density:	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:	NA
Sterile spikelet-shape of tip:	NA
Sterile spikelet- length of lemma:	NA
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Medium
*Plant height:	Medium
Collar type:	
Rachis- length of first segment:	Short
Rachis- width of first segment:	
Rachis- curvature of first segment:	Weak to medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Short
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of 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. 06 May 2020



## 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 2/1871 **REBECCA**

## **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 parallel

medium to long

medium to long medium to strong

n/a none or rudimentary longer

whitish present absent or v. weak long absent clasping

very strong medium to strong medium to strong

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



## 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 2/2913 RGT ASTEROID

## **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 two lax to medium medium parallel

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



## Variety Name: RGT BAZILLE

**Crop:** Spring Barley

Breeders Reference: LSB 0976-10 AFP No: Breeder: RAGT 2n Translated from: French Date: 27 March 2018 **Origin:** Code: BAZI \*Plant - growth habit: Intermediate to semi prostrate \*Lower leaves - hairiness of leaf sheaths: Absent \*Time of ear emergence: Medium to late \*Flag leaf- anthocyanin colouration of auricles: Very strong Frequency of plants with recurved flag leaves: Flag leaf- glaucosity of sheath: Strong \*Ear- glaucosity: Medium to strong Ear- attitude: Semi erect Ear-length: \*Ear- number of rows: Two \*Ear- density: Medium Parallel Ear- shape: \*Awn- anthocyanin colouration of the tips: Strong to very 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: **\*Plant height:** Short to medium 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: \*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 Grain- spiculation of outer lateral nerves: Medium to strong Grain- anthocyanin colouration of lemma nerves: Weak to medium \*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.

28 March 2018



# Variety Name: RGT Celest

## Crop: Spring Barley

Breeders Reference: RP19033	AFP No:
Breeder: RAGT	Translated from: English
Origin:	Date: 20 April 2023
Code: CELES	
*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:	
Flag leaf- glaucosity of sheath:	
*Ear- glaucosity:	medium to strong
Ear- attitude:	semi-erect
Ear- length:	short
*Ear- number of rows:	two
*Ear- density:	medium to dense
Ear- shape:	slightly tapering
*Awn- anthocyanin colouration of the tips:	medium
*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:	slightly longer
Lemma nerves- anthocyanin colouration:	weak to medium
*Plant height:	short
Collar type:	
Rachis- length of first segment:	medium to long
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:	
*Grain- rachilla hair type:	short
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	absent to very weak
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	
*Grain- ventral furrow - presence of hairs:	absent
*Grain- husk:	husked
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	
*Seasonal type:	Spring
Extra characters:	

\* = Characteristics which should always be included in the description of the variety. 20 April 2023



## 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



## AFP 2/3205 RGT CURIOSITY

## **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 two lax medium to long tapering

long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong weak to medium medium

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



## AFP 2/2979 **RGT ORBITER**

## **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 two lax to medium short to medium parallel

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong strong medium

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



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:	
*Awn- length compared to ear:	Long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	Deficiens
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Strong
*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 2/3062 RGT SLIPSTREAM

## **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 two lax medium to long parallel

long

short to medium strong

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong medium medium to strong

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



## AFP 2/3345 RGT STARLIGHT

## **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 two medium to dense very short to short parallel

long to very long

medium to long weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong medium medium to strong

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



## AFP 2/3275 RGT TUFNELL

## **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 two medium medium tapering

long

medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium to strong medium to strong

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



## 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 two medium short tapering

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium strong

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



# Variety Name: Sangria

Crop:

Breeders Reference: AC 09-586-4	AFP No:
Breeder: Ackermann Saatzucht GmbH &	Translated from:
Co KG	Translated from:
Origin:	<b>Date:</b> 09 March 2017
Code: SANG	
*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 to medium
Flag leaf- glaucosity of sheath:	Medium to strong
*Ear- glaucosity:	Weak to medium
Ear- attitude:	Semi-erect to horizontal
Ear- length:	Long
*Ear- number of rows:	Two
*Ear- density:	Lax
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Medium
*Awn- length compared to ear:	Medium
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:	Medium to strong
*Plant height:	Medium
Collar type:	
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Long
Grain- rachilla length:	Medium
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	Weak to medium
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.

19 March 2019



## 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



## Crop: Spring Barley

Breeders Reference: SYN 407-143	AFP No:
Breeder: Syngenta Seeds Ltd	Translated from: French
Origin:	Date: 11 March 2014
Code: SCRA	
*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:	Absent or very low to low
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Strong
Ear- attitude:	Semi erect to horizontal
Ear- length:	Senin creet to nonzontai
*Ear- number of rows:	Two
*Ear- density:	Lax to medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Faranei
· ·	Medium to long
*Awn- length compared to ear:	Medium to Tong
Awn- spiculation of margins: *Sterile spikelet-attitude:	Divergent
•	Divergent
Sterile spikelet-shape of tip: Sterile spikelet, length of lemma:	
Sterile spikelet- length of lemma: Madian gnikelet- length of glume + own of graine	Faual
Median spikelet- length of glume + awn cf grain:	Equal
Lemma nerves- anthocyanin colouration:	Madimu
*Plant height:	Medium
Collar type:	Chart to ma lines
Rachis- length of first segment:	Short to medium
Rachis- width of first segment:	We als to use dimen
Rachis- curvature of first segment:	Weak to medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	XX711
Kernel- colour of aleurone layer:	Weakly coloured
*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. 04 May 2022



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



# Crop: Spring Barley

Breeders Reference: AC 99373/19	<b>AFP No:</b> 2/2110
Breeder: Dr. J. Ackermann & Co	Translated from: German
Origin:	Date: 12 May 2005
Code: SHAK	
*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:	medium
Frequency of plants with recurved flag leaves:	very low to low
Flag leaf- glaucosity of sheath:	medium to strong
*Ear- glaucosity:	medium to strong
Ear- attitude:	horizontal
Ear-length:	short to medium
*Ear- number of rows:	two
*Ear- density:	lax to medium
Ear-shape:	tapering to parallel
*Awn- anthocyanin colouration of the tips:	medium
*Awn- length compared to ear:	short to medium (shorter than ear to +/- equal)
Awn- spiculation of margins:	nonellal to maalely divergent
*Sterile spikelet-attitude: Sterile spikelet-shape of tip:	parallel to weakly divergent
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	aqual
Lemma nerves- anthocyanin colouration:	equal
*Plant height:	short
Collar type:	SHOL
Rachis- length of first segment:	medium
Rachis- width of first segment:	inculum
Rachis- curvature of first segment:	moderately curved
Rachis- shape of first segment:	moderatery curved
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:	10115
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:	strong
*Grain- ventral furrow - presence of hairs:	absent
*Grain- husk:	present
Grain- length of lodicles ("collar" type only):	<b>r</b>
Grain- disposition of lodicules:	clasping ("collar" type)
*Seasonal type:	spring
Extra characters:	1 0

\* = Characteristics which should always be included in the description of the variety. 16 May 2018



# 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 2/2407 SHIRLEY

# **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 to medium weak to medium

n/a none or rudimentary longer

whitish present v. weak to weak long absent clasping

strong weak to medium strong

semi-erect to intermediate short to medium absent very early to early strong to very strong medium erect to 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 2/3206 SKYWAY

# **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 two lax medium to long tapering

long

medium medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium

semi-erect to intermediate medium to long absent early to medium medium to strong medium to strong 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 2/2775 **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 2/3195 SOCCER

# **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 two lax to medium medium to long tapering

long

medium to long weak to medium

divergent full equal

whitish present absent or v. weak short absent clasping

strong absent or very weak medium to strong

intermediate medium to long absent medium medium to strong medium to 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



AFP 2/3340 SUN KING

# **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 two medium to dense short to medium parallel

long

short to medium very weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

medium to strong medium to strong

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



# Variety Name: SY Arderin

# **Crop:** Spring Barley

Breeders Reference: SY 415560	AFP No:
Breeder: Syngenta UK Ltd	Translated from:
Origin:	Date: 23 March 2022
Code: SYAR	
*Plant - growth habit:	Intermediate to semi-prostrate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Medium to late
*Flag leaf- anthocyanin colouration of auricles:	Strong
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Medium to late
*Ear- glaucosity:	Medium
Ear- attitude:	Erect to semi-erect
Ear-length:	Medium
*Ear- number of rows:	Two
*Ear- density:	Medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Medium
*Awn- length compared to ear:	Long to very 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:	Weak
*Plant height:	Short to medium
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:	C .
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Absent or very weak
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring type
Extra characters:	

\* = Characteristics which should always be included in the description of the variety. 04 May 2022



# AFP 2/3160 SY AMITY

# **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 two lax medium to long tapering

long

medium weak

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 strong medium to strong erect to semi-erect



# AFP 2/3021 SY ARDERIN

# **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 two medium medium parallel

long to very long

medium medium

divergent full equal

whitish present absent or v. weak long absent clasping

strong weak medium

intermediate to semi-prostrate short to medium absent medium to late strong medium erect to 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 2/3267 SY BRONTE

# **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 erect to semi-erect two sparse to medium medium parallel

long

medium to long weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong medium to strong medium to strong

semi-erect to intermediate medium absent medium strong medium



# AFP 2/3019 SY CONTOUR

# **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 two lax to medium short to medium parallel

long

long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

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



# AFP 2/3016 SY DOLOMITE

# **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 two medium short to medium parallel

long

medium to long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium to strong medium to strong

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



# AFP 2/3165 SY EMERSON

# **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 two lax to medium long parallel

medium

medium strong

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

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



# AFP 2/3162 SY FABLE

# **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 two lax to medium medium to long tapering

long

medium to long medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak medium

intermediate short to medium absent medium strong medium to strong erect to 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 2/3017 SY KAILASH

# **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 two medium short to medium parallel

long

medium to long weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

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



# AFP 2/3161 SY LUCENT

# **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 two lax medium to long tapering

long

medium medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong weak to medium medium

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



# AFP 2/3376 SY SIGNET

# **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 two medium short to medium parallel

long

medium to long weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong medium medium to strong

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



# AFP 2/3013 SY STANZA

# **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 two medium short to medium parallel

long

short to medium weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

medium to strong medium to strong medium

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



# AFP 2/3073 **SY SPLENDOR**

# **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 two lax medium to long tapering to parallel

long to very long

medium to long medium

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium medium to strong

intermediate medium absent medium to 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 2/3377 SY TENNYSON

# **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 two medium short to medium parallel

long

medium very weak

n/a none or rudimentary equal

whitish husked absent or v. weak short absent clasping

strong medium medium to strong

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



# AFP 2/3068 SY TUNGSTEN

# **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 two very lax to lax long parallel

long

medium to long medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

strong medium medium to strong

intermediate medium absent early to medium strong strong erect to 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 2/3450 TENZING

# **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 semi-erect two dense short to medium parallel

long

short to medium weak

divergent full equal

whitish non-husked absent or v. weak short absent clasping

strong medium to strong strong

intermediate medium absent medium to late strong medium to strong



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 2/2782

# 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



AFP 2/3284
WINSTON

# **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 two medium to dense medium parallel

long

medium weak

n/a none or rudimentary equal

whitish present absent or v. weak short absent clasping

strong medium to strong medium to strong

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



# AFP 2/2837 WYLANDA

# **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 two lax to medium short to medium parallel

long

medium weak

n/a none or rudimentary longer

whitish present absent or v. weak short absent clasping

medium to strong medium medium

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

