AFP 2/2586 ACUTE

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium to long medium to strong

divergent full equal

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

weak medium weak

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



AFP 2/1886 AMARENA

CHARACTERS IN DETAIL Ear

Ear		
Number of rows	more than two	
Density	medium to dense	
Length	medium to long	
Shape	parallel	
Awn		
Length compared to ear	medium to long	
Rachis		
Length of first segment	short	
Curvature of first segment	weak	
Spikelet		
Sterile spikelet - attitude		
Sterile spikelet - development		
Median spikelet - length of glume+awn cf grain	longer	
Grain		
Kernel - colour of aleurone layer	whitish	
Husk - presence after harvest	present	
Spiculation of inner lateral nerves	strong	
Rachilla hair type	long	
Ventral furrow - presence of hairs	present	
Disposition of lodicules	clasping	
Anthocyanin colouration		
Flag leaf - auricles		
Lemma nerves - at early dough	absent or very weak	
Awn tips		
Plant growth characters		
Plant - growth habit	intermediate to semi-prostrate	
Plant - length	long	
Lower leaf - hairiness of sheaths	present	
Time of ear emergence	medium to late	
Flag leaf - glaucosity of sheath	medium to strong	
Ear - glaucosity	medium	
Ear - attitude 21 days after ear emerg.	semi-erect to horizontal	



AFP 2/2447 ARCHER

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

medium (+/- equal to ear)

long medium

parallel to weakly divergent full equal

weakly coloured present weak (1-2 per nerve) long absent clasping ("collar" type)

absent to very weak absent or very weak absent to very weak

semi-prostrate to prostrate medium present medium to late medium to strong medium semi-erect



AFP 2/2737 BAZOOKA

CHARACTERS IN DETAIL

CHAKACTEKS IN DETAIL	
Ear	
Number of rows	more than two
Density	medium
Length	short
Shape	parallel
Awn	
Length compared to ear	long
Rachis	
Length of first segment	short to medium
Curvature of first segment	weak
Spikelet	
Sterile spikelet - attitude	n/a
Sterile spikelet - development	n/a
Median spikelet - length of glume+awn cf grain	equal
Grain	
Kernel - colour of aleurone layer	weakly coloured
Husk - presence after harvest	present
Spiculation of inner lateral nerves	strong
Rachilla hair type	long
Ventral furrow - presence of hairs	present
Disposition of lodicules	clasping
Anthocyanin colouration	
Flag leaf - auricles	weak
Lemma nerves - at early dough	very weak to weak
Awn tips	weak to medium
Plant growth characters	
Plant - growth habit	intermediate

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.

intermediate medium to long present medium medium semi-erect to horizontal



AFP 2/2739 BELFRY

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two medium short parallel

long

short to medium weak

n/a n/a longer

weakly coloured present strong to v. strong long present clasping

absent or very weak absent or very weak absent or very weak

intermediate medium present medium medium weak to medium semi-erect



AFP 2/2375 BLAZING

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 long

medium

medium to long medium to strong

divergent full equal

whitish present strong to v. strong long absent clasping

absent or very weak absent or very weak absent or very weak

intermediate to semi-prostrate short to medium present medium medium weak to medium semi-erect



AFP 2/2581 CADILLAC

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium to long medium to strong

parallel full equal

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

absent to very weak absent or very weak very weak to weak

semi-prostrate medium to long present medium medium weak to medium semi-erect



AFP 2/2448 CALFORNIA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

long medium

n/a none or rudimentary(deficiens) equal

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

absent to very weak absent or very weak absent to very weak

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



AFP 2/1825 CAMION

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 tapering

+/- equal to longer

medium medium to strong

divergent

equal

whitish ("white") present weak to medium long present clasping ("collar" type)

weak weak weak

intermediate to semi-prostrate medium present very early to early medium to strong weak semi-erect to horizontal



CAMPANILE

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 tapering

short (shorter than ear)

medium to long medium to strong

n/a none or rudimentary(deficiens) equal

whitish ("white") present medium to strong short present clasping ("collar" type)

absent to very weak absent or very weak absent to very weak

intermediate short to medium present medium to late medium to strong weak to medium horizontal to semi-recurved



AFP 2/1606

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (longer than ear)

short to medium medium

divergent

equal

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

absent or very weak

intermediate to semi-prostrate short to medium present medium strong to very strong weak to medium horizontal to semi-recurved



AFP 2/2058 CASSATA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 tapering

+/- equal to longer

short to medium weak to medium

parallel full equal

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

weak to medium weak medium to strong

intermediate to semi-prostrate short to medium present medium to late medium medium erect to semi-erect



AFP 2/2582 CAVALIER

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium

parallel full equal

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

medium to strong strong to very strong strong to very strong

semi-prostrate medium present early to medium medium weak to medium semi-erect



AFP 2/2657 CELOONA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two dense short to medium parallel

medium

short to medium weak

n/a n/a longer

weakly coloured present strong to v. strong long absent clasping

weak to medium weak medium

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



AFP 2/1983 CYPRESS

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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)

medium medium

n/a none or rudimentary(deficiens) equal

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

medium strong strong

semi-prostrate to prostrate medium present medium to late medium weak to medium semi-recurved



Variety Name: Daxor

Crop: Winter Barley

Breeders Reference:	AFP No:
Breeder: Sarl Adrien Momont et Fils	Translated from: French
Origin:	Date: 24 March 2015
Code: DAXO	
*Plant - growth habit:	Intermediate to semi prostrate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	
*Flag leaf- anthocyanin colouration of auricles:	Absent or very weak
Frequency of plants with recurved flag leaves:	Low
Flag leaf- glaucosity of sheath:	Medium to srong
*Ear- glaucosity:	Medium to srong
Ear- attitude:	Semi- erect
Ear- length:	Medium
*Ear- number of rows:	More than two
*Ear- density:	Medium to dense
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	
*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:	Absent to very weak
*Plant height:	
Collar type:	
Rachis- length of first segment:	Short to medium
Rachis- width of first segment:	XX 7 1
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):	XX 71 *.* 1
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	Long
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	C .
Grain- spiculation of inner lateral nerves:	Strong
Grain- spiculation of outer lateral nerves:	A1 / 1
Grain- anthocyanin colouration of lemma nerves:	Absent oo very weak
*Grain- ventral furrow - presence of hairs:	Present
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Winter
Extra characters:	

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

31 March 2015



AFP 2/2368 ELEMENT

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two medium medium to long parallel

medium

medium weak

n/a n/a longer

weakly coloured present strong to v. strong long present clasping

very weak to weak weak to medium very weak to weak

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



AFP 2/2383 ESCADRE

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. six dense short parallel

+/- equal to longer

short to medium very weak

n/a n/a longer

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

weak weak to medium weak to medium

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



AFP 2/2596 FENTARA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium to long weak

divergent full equal

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

absent to very weak absent or very weak absent to very weak

semi-prostrate medium to long present medium medium erect to semi-erect



Variety Name: Findora

Crop: Winter Barley

Breeders Reference: AFP No: 2/2676 **Breeder:** Translated from: German Origin: Germany Date: 09 April 2015 Code: FIND *Plant - growth habit: Intermediate *Lower leaves - hairiness of leaf sheaths: Present *Time of ear emergence: Early *Flag leaf- anthocyanin colouration of auricles: Absent or very week Frequency of plants with recurved flag leaves: Low Flag leaf- glaucosity of sheath: Medium *Ear- glaucosity: Medium Ear- attitude: Semi-erect to horizontal Ear-length: Medium *Ear- number of rows: Two *Ear- density: Dense Ear- shape: Tapering *Awn- anthocyanin colouration of the tips: Absent or very week *Awn- length compared to ear: Medium Awn- spiculation of margins: *Sterile spikelet-attitude: N/A - 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: Absent or very week ***Plant height:** Very short to short **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:** 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: Very week to week Grain- spiculation of outer lateral nerves: Grain- anthocyanin colouration of lemma nerves: Absent or very week *Grain- ventral furrow - presence of hairs: Absent *Grain- husk: Present Grain-length of lodicles ("collar" type only): Grain- disposition of lodicules: Clasping *Seasonal type: Winter **Extra characters:**

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

09 April 2015



AFP 2/1910 FLAGON

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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)

medium medium

divergent

equal

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

absent or very weak absent to very weak

intermediate to semi-prostrate medium to long present medium medium weak to medium horizontal to semi-recurved



AFP 2/2664

FLETCHER

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two dense short to medium parallel medium to long short to medium weak n/a n/a equal whitish present strong to v. strong long present clasping weak to medium weak weak to medium intermediate to semi-prostrate long present medium strong

medium to strong

semi-erect



AFP 2/2392 FLORENTINE

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

medium (+/- equal to ear)

medium medium to strong

n/a none or rudimentary(deficiens) equal

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

medium medium medium

intermediate to semi-prostrate short to medium present medium to late medium weak semi-erect



AFP 2/2594 GALATION

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two medium short to medium parallel

medium

short to medium weak

n/a n/a equal

weakly coloured present strong long absent clasping

absent or very weak weak to medium weak

semi-prostrate medium to long present medium medium to strong medium to strong erect to semi-erect



AFP 2/2583 HARLEQUIN

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

shorter to +/- equal

medium medium

parallel full equal

strongly coloured ("blue") present v. weak to weak long present clasping ("collar" type)

absent to very weak absent or very weak absent to very weak

semi-prostrate medium present early to medium medium weak to medium semi-erect to horizontal



AFP 2/2755 KATHMANDU

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

short

medium to long strong

n/a none or rudimentary equal

whitish present strong to v. strong long absent clasping

absent or very weak absent or very weak absent or very weak

intermediate short present early weak weak to medium semi-erect to horizontal



AFP 2/2650 KWS CAPELLA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 short to medium tapering

medium to long

medium medium

n/a none or rudimentary equal

whitish present v. weak to weak long absent clasping

absent or very weak absent or very weak very weak to weak

semi-prostrate short to medium present late medium weak to medium semi-erect



AFP 2/2309 KWS CASSIA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

short weak to medium

n/a none or rudimentary(deficiens) equal

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

very weak to weak absent or very weak absent to very weak

semi-erect to intermediate short to medium present medium to late medium to strong weak to medium semi-erect to horizontal



AFP 2/2523 KWS GLACIER

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium

n/a none or rudimentary(deficiens) equal

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

absent to very weak absent or very weak absent to very weak

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



AFP 2/2650 KWS INFINITY

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 short to medium tapering

medium to long

medium medium

n/a none or rudimentary equal

whitish present v. weak to weak long absent clasping

absent or very weak absent or very weak very weak to weak

semi-prostrate short to medium present late medium weak to medium semi-erect



AFP 2/2521 KWS JOY

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

long strong

parallel to weakly divergent full equal

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

absent to very weak absent or very weak absent to very weak

intermediate to semi-prostrate short present late strong medium semi-erect



AFP 2/2436 KWS MERIDIAN

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. six medium short to medium parallel

medium (+/- equal to ear)

medium strong

n/a n/a longer

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

absent to very weak absent or very weak absent to very weak

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



AFP 2/2728 KWS ORWELL

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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.

31 March 2015

two lax medium tapering

medium

long medium

n/a none or rudimentary equal

whitish present absent or v. weak long absent clasping

absent or very weak absent or very weak absent or very weak

intermediate very short to short present medium to late weak weak erect to semi-erect



Variety Name: KWS Rose

Crop:

Breeders Reference:	AFP No: 2/2730
Breeder:	Translated from:
Origin:	Date: 24 March 2015
Code: B2730	
*Plant - growth habit:	Intermediate to semi prostrate
*Lower leaves - hairiness of leaf sheaths:	Present
*Time of ear emergence:	Medium
*Flag leaf- anthocyanin colouration of auricles:	Very weak
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Strong
Ear- attitude:	Semi - recurved to recurved
Ear- length:	Medium
*Ear- number of rows:	Two
*Ear- density:	Lax
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Very weak
*Awn- length compared to ear:	Short to medium
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:	Equal
Lemma nerves- anthocyanin colouration:	-1
*Plant height:	Medium
Collar type:	1,10010111
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	inculum to long
Rachis- curvature of first segment:	Medium
Rachis- curvature of first segment:	Wiedrum
Rachis(2-row)- humping of segments (mid third):	
Rachis(2-row)- degree of zig-zag (mid third):	
Kacins(0-10w)- degree of Zig-Zag (init tintu). Kernel- colour of aleurone layer:	
-	Long
*Grain- rachilla hair type:	Long
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	Verseele te soorte
Grain- spiculation of inner lateral nerves:	Very weak to weak
Grain- spiculation of outer lateral nerves:	A harvet on successful
Grain- anthocyanin colouration of lemma nerves:	Absent or very weak
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Winter
Extra characters:	

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

20 May 2015



AFP 2/2433 KWS SALSA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 weak to medium

n/a none or rudimentary equal

whitish present absent or v. weak long present clasping

absent or very weak absent or very weak absent or very weak

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



AFP 2/2580 KWS TONIC

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two dense medium parallel

medium

short to medium very weak

n/a n/a longer

whitish present strong to v. strong long present clasping

very weak to weak weak to medium medium

intermediate to semi-prostrate medium present early to medium medium to strong medium to strong semi-erect



AFP 2/2725 KWS TOWER

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

medium

long strong

n/a none or rudimentary equal

whitish present weak to medium long absent clasping

absent or very weak absent or very weak absent or very weak

intermediate to semi-prostrate short to medium present medium to late medium weak erect to semi-erect



AFP 2/232 MARIS OTTER

CHARACTERS IN DETAIL

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 weak to medium divergent equal whitish ("white") present absent/v. weak (0-2 per nerve) long absent clasping ("collar" type) strong medium medium semi-prostrate to prostrate short present late to very late medium medium

horizontal



AFP 2/2452 MATROS

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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)

very strong strong to very strong strong to very strong

intermediate to semi-prostrate medium present medium to late medium to strong strong semi-recurved to recurved



AFP 2/2514 MEZMAAR

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium

n/a none or rudimentary(deficiens) equal

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

absent to very weak absent or very weak absent to very weak

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



WINTER BARLEY

AFP 2/1318

PEARL

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

long (longer than ear)

medium medium

divergent

equal

strongly coloured ("blue") present medium (3-5 per nerve) long absent clasping ("collar" type)

medium to strong very weak to weak weak to medium

intermediate medium to long present late strong to very strong strong semi-erect to horizontal



WINTER BARLEY

AFP 2/2651

PERSEUS

CHARACTERS IN DETAIL

Ear Number of rows

Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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.



medium

medium medium to strong

n/a none or rudimentary equal

strongly coloured present strong to v. strong long present clasping

strong strong to very strong strong

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



AFP 2/2306 PURDEY

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

shorter to +/- equal

medium medium

parallel to weakly divergent full equal

weakly coloured present strong (5-10 per nerve) long present clasping ("collar" type)

absent to very weak absent or very weak absent to very weak

semi-prostrate to prostrate short to medium present medium strong weak semi-erect to horizontal



AFP 2/2601

QUADRA

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two medium short to medium parallel

medium

short to medium weak to medium

n/a n/a equal

strongly coloured present strong long absent clasping

very weak to weak very weak to weak weak

semi-prostrate long present early to medium medium to strong medium to strong semi-erect



AFP 2/2671 QUADRIGA

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two dense short to medium parallel

long

medium medium

n/a none or rudimentary equal

whitish present strong long present clasping

absent or very weak absent or very weak weak

intermediate to semi-prostrate long present late medium to strong medium to strong semi-erect



AFP 2/2065 **RETRIEVER**

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium

n/a none or rudimentary(deficiens) equal

whitish ("white") present medium to strong long absent clasping ("collar" type)

medium strong strong

intermediate to semi-prostrate short present early medium weak to medium semi-erect



Variety Name: Sabine F

Crop: Winter Barley

Breeders Reference:	AFP No: 2/2231
Breeder: Saatzucht Filbeck	Translated from: German
Origin:	Date: 29 November 2007
Code: SABI	
*Plant - growth habit:	intermediate
*Lower leaves - hairiness of leaf sheaths:	present
*Time of ear emergence:	late
*Flag leaf- anthocyanin colouration of auricles:	absent or very weak
Frequency of plants with recurved flag leaves:	high to very high
Flag leaf-glaucosity of sheath:	strong
*Ear- glaucosity:	weak to medium
Ear- attitude:	semi-erect to horizontal
Ear- length:	medium to long
*Ear- number of rows:	two
*Ear- density:	medium to dense
Ear- shape:	parallel
*Awn- anthocyanin colouration of the tips:	absent or very weak
*Awn- length compared to ear:	short to medium (shorter to +/- equal to ear)
Awn- spiculation of margins:	short to medium (shorter to 17 equal to ear)
*Sterile spikelet-attitude:	parallel
Sterile spikelet-shape of tip:	puruner
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	equal
Lemma nerves- anthocyanin colouration:	cquar
*Plant height:	medium
Collar type:	medium
Rachis- length of first segment:	long to yerry long
· · ·	long to very long
Rachis- width of first segment:	weak to medium
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):	1 ''' 1 ZU 1'' UN
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:	weak (1-2 per nerve)
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	absent or very weak
*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:	winter
Extra characters:	

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

31 March 2015



AFP 2/1880 SAFFRON

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

strongly coloured ("blue") present weak to medium long present clasping ("collar" type)

absent or very weak

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



AFP 2/1717 **SEQUEL**

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. six medium short to medium tapering to parallel

long (longer than ear)

short weak

equal

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

weak to medium weak weak to medium

intermediate to semi-prostrate medium present medium to strong medium to strong semi-erect to horizontal



AFP 2/2742 SHADOW

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 to long strong

parallel to weakly divergent full equal

weakly coloured present medium long absent clasping

absent or very weak absent or very weak absent or very weak

intermediate to semi-prostrate short to medium present late medium to strong medium to strong erect to semi-erect



AFP 2/2454 SINATRA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium

parallel to weakly divergent full equal

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

absent to very weak absent or very weak absent to very weak

intermediate short to medium present medium medium semi-erect



AFP 2/2513 SOLOMAN

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium

divergent full equal

strongly coloured ("blue") present strong (5-10 per nerve) short absent clasping ("collar" type)

absent to very weak absent or very weak absent to very weak

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



AFP 2/2083 SUZUKA

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

medium (+/- equal to ear)

short to medium medium

parallel none or rudimentary(deficiens) equal

weakly coloured present weak to medium long absent clasping ("collar" type)

absent to very weak absent or very weak absent to very weak

intermediate short to medium present early weak to medium weak semi-erect to horizontal



AFP 2/2444

SY BAMBOO

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two medium medium parallel

medium

medium weak to medium

n/a n/a longer

weakly coloured present strong long absent clasping

weak to medium weak weak to medium

intermediate long to very long present early to medium medium to strong medium semi-erect



AFP 2/2443 SY VENTURE

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 (+/- equal to ear)

medium medium to strong

n/a none or rudimentary(deficiens) equal

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

strong very strong strong

intermediate to semi-prostrate short present medium medium erect to semi-erect



AFP 2/2517 TALISMAN

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

short (shorter than ear)

medium to long medium to strong

n/a none or rudimentary(deficiens) equal

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

strong strong strong

intermediate short to medium present medium to late medium to strong weak to medium erect to semi-erect



AFP 2/2602 TETRIS

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 long tapering

short (shorter than ear)

medium to long medium to strong

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 strong to very strong strong

semi-prostrate medium to long present early to medium medium semi-erect



AFP 2/2374 **TRICK**

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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

medium to long medium to strong

parallel to weakly divergent full equal

whitish present strong to v. strong long absent clasping

absent or very weak absent or very weak absent or very weak

intermediate short to medium present medium medium semi-erect



AFP 2/2303 WINSOME

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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)

medium strong

divergent full equal

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

weak to medium medium to strong strong

semi-prostrate medium present medium strong weak to medium semi-erect to horizontal



AFP 2/2135

CHARACTERS IN DETAIL

- Ear
- Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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 to parallel

medium (+/- equal to ear)

medium strong

parallel to weakly divergent full equal

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

absent to very weak absent or very weak absent to very weak

intermediate to semi-prostrate short present medium to late strong medium semi-erect



Variety Name: Verity

Crop: Winter Barley

Breeders Reference:	AFP No: 2/2750
Breeder:	Translated from: German
Origin:	Date: 01 April 2015
Code: VERI	
*Plant - growth habit:	Intermediate
*Lower leaves - hairiness of leaf sheaths:	Present
*Time of ear emergence:	Medium
*Flag leaf- anthocyanin colouration of auricles:	Absent or very weak
Frequency of plants with recurved flag leaves:	
Flag leaf- glaucosity of sheath:	Very Strong
*Ear- glaucosity:	Medium to strong
Ear- attitude:	Semi erect
Ear- length:	Short
*Ear- number of rows:	More than two
*Ear- density:	Lax to medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	Absent or very weak
*Awn- length compared to ear:	Long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	N/A - Deficiens
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn cf grain:	Longer
Lemma nerves- anthocyanin colouration:	
*Plant height:	Long
Collar type:	
Rachis- length of first segment:	Medium to long
Rachis- width of first segment:	
Rachis- curvature of first segment:	Very weak to 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:	Long
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Medium to strong
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	Absent or very weak
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Winter
Extra characters:	

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

09 April 2015

WINTER BARLEY 2015



AFP 2/2244 VOLUME

CHARACTERS IN DETAIL

Ear

Number of rows Density Length Shape

Awn

Length compared to ear

Rachis

Length of first segment Curvature of first segment

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth 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. more than two medium parallel

medium to long

medium absent or very weak

n/a n/a equal

weakly coloured present strong long present clasping

weak to medium very weak to weak weak

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

