

ACCLAIM

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ACCURANCE**CHARACTERS IN DETAIL****Ear**

Number of rows	two
Density	medium to dense
Length	short to medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ACORN

CHARACTERS IN DETAIL

Ear

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

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	short
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ACOUSTIC

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ACROWAN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	short to medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ACUMEN

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

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	
Median spikelet - length of glume+awn of 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 intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium
Ear - attitude	semi-recurved

ALVESTON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Amalika**

Crop:

Breeders Reference:

AFP No: 2/2703

Breeder: nordic Seed A/S

Translated from: Danish

Origin:

Date: 23 March 2015

Code: AMAL

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

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

30 March 2015

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):	
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 weak
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	medium to strong
*Grain- ventral furrow - presence of hairs:	absent
*Grain- husk:	present
Grain- length of lodicules ("collar" type only):	
Grain- disposition of lodicules:	
*Seasonal type:	spring
Extra characters:	

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

06 May 2020

Variety Name: **Anneli**

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:	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:	
Rachis- length of first segment:	Short to medium
Rachis- width of first segment:	
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):	
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:	Very weak to weak
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Present
Grain- length of lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

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

11 April 2019

ARMADA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ARTEMIDA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ARTISAN

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Arwen**

Crop:

Breeders Reference: Br 11037 y 5

AFP No: 2/2678

Breeder: Senova Ltd

Translated from: German

Origin:

Date: 23 March 2017

Code: ARWN

*Plant - growth habit:	Intermediate
*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:	
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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

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

28 March 2017

AVALON

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

AVENGER

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

BARBARELLA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

Variety Name: **Beatrix**

Crop: Spring Barley

Breeders Reference: NORD 01/2449

AFP No: 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 lodicules ("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

BELGRAVIA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

BELTER

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

BOGART

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

BRIONI

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

BOUNTY

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	semi-erect to intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect to horizontal
Time of ear emergence	early
Flag leaf glaucosity	strong
Ear glaucosity	medium to strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	medium

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	medium to strong
Lemma nerves (at early dough)	medium to strong

Ear

Number of rows	two
Shape	slightly tapering
Density	sparse to medium
Length (excluding awns)	medium
Awn length (compared to ear)	medium to long
Median spikelet - length of glume+awn cf grain	slightly longer

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

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

BUNTING

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

CALICO

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	strong

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

SPRING BARLEY

AFP 2/3290

CB SCORE

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	very weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	erect to semi-erect

CHA CHA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHANCELLOR

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHANDRA

CHARACTERS IN DETAIL

Ear

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

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHANSON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	parallel

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHANTAL

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHAPEAU

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHARMAY

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	short
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHECKMATE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHEERIO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

Length of first segment	short
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHILL

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	short
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHOICE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHRONICLE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CINDY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	strong

Spikelet

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

Grain

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

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium 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

COCKTAIL

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CONCERTO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CONTENDER

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **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:	
*Plant height:	
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:	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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

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

16 May 2018

SPRING BARLEY

AFP 2/2797

CRESCENDO

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Cristalia**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Ets Claude Camille Benoist SA

Translated from: French

Origin:

Date: 25 March 2004

Code: CRST

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

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

30 March 2015

CROONER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CROPTON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CUPITO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

DANDY

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

SPRING BARLEY

AFP 2/1411

DECANTER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

DEFENDER

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

DEVERON

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

SPRING BARLEY

AFP 2/2870

DIOPTIC

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

DIVINER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
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	none or rudimentary
Median spikelet - length of glume+awn cf grain	equal

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

DOYEN

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

SPRING BARLEY

AFP 2/2719

DRAGOON

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

EDITHA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	long
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **EMBRACE**

Crop: Spring Barley

Breeders Reference: SJ 148377

AFP No:

Breeder: SEJET

Translated from: German

Origin:

Date: 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:	
*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:	
*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:	
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:	Present
Grain- length of lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

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

16 May 2018

Variety Name: **EVELINA**

Crop: Spring Barley

Breeders Reference: SE 501/05SG

AFP No:

Breeder: Landwirtschaftliche Fachschule
Edelhof Saatzeit

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:	
*Sterile spikelet-attitude:	divergent
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn of 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:	
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:	strong
*Grain- ventral furrow - presence of hairs:	absent
*Grain- husk:	present
Grain- length of lodicles ("collar" type only):	
Grain- disposition of lodicles:	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:

Breeder: NORDIC SEED A/S

Translated from:

Origin: Br6920b115*QUENCH

Date: 29 July 2013

Code: EVER

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

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

30 March 2015

Variety Name: **Explorer**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Secobra Recherches

Translated from: French

Origin:

Date: 11 March 2014

Code: EXPL

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

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

30 March 2015

FAIRING

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Fairytale**

Crop: Spring Barley

Breeders Reference: SJ 032231

AFP No: 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:	
*Sterile spikelet-attitude:	deficiens
Sterile spikelet-shape of tip:	N/A
Sterile spikelet- length of lemma:	N/A
Median spikelet- length of glume + awn cf grain:	
Lemma nerves- anthocyanin colouration:	
*Plant height:	medium
Collar type:	
Rachis- length of first segment:	short
Rachis- width of first segment:	
Rachis- curvature of first segment:	medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	whitish ("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:	weak
*Grain- ventral furrow - presence of hairs:	absent
*Grain- husk:	present
Grain- length of lodicules ("collar" type only):	
Grain- disposition of lodicules:	clasping ("collar" type)
*Seasonal type:	spring
Extra characters:	

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

20 March 2019

Variety Name: **Fairway**

Crop: Spring Barley

Breeders Reference: NOS 111.390-52

AFP No:

Breeder: Nordic Seeds A/S

Translated from:

Origin:

Date: 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 strong
*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 of grain:	Equal
Lemma nerves- anthocyanin colouration:	
*Plant height:	
Collar type:	
Rachis- length of first segment:	Medium
Rachis- width of first segment:	
Rachis- curvature of first segment:	Medium
Rachis- shape of first segment:	
Rachis(2-row)- humping of segments (mid third):	
Rachis(6-row)- degree of zig-zag (mid third):	
Kernel- colour of aleurone layer:	Whitish
*Grain- rachilla hair type:	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 lodicles:	Clasping
*Seasonal type:	
Extra characters:	

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

06 May 2020

SPRING BARLEY

AFP 2/3194

FANGIO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

SPRING BARLEY

AFP 2/2564

FEALTY

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

FIREFOXX**CHARACTERS IN DETAIL****Ear**

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

FLORENCE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

FORENSIC

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

GARNER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

GENIE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

GEORGINA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate
Plant - length	long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

GLASSEL

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

GOLDEN PROMISE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

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	

Anthocyanin colouration

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

Plant growth characters

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

GULLIVER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

HACKER

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **HAMBO**

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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

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

16 May 2018

SPRING BARLEY

AFP 2/3183

HARRISON

CHARACTERS IN DETAIL

Ear

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

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

HAVEN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

HEMINGWAY

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

HENLEY

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

Kernel - colour of aleurone layer	strongly coloured
Husk - presence after harvest	present
Spiculation of inner lateral nerves	medium
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

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

Plant growth characters

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

HURLER

CHARACTERS IN DETAIL

Ear

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

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

HUSKY

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ICONIC

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate
Plant - length	long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

INFINIUM

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

INTREPID

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Invictus**

Crop:

Breeders Reference:

AFP No: 2/2681

Breeder: Sejt Planteformaedling I/S

Translated from: Dutch

Origin:

Date: 23 March 2015

Code: Invi

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

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

30 March 2015

JENSEN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	long
Curvature of first segment	very weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KELIM

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KERSTIN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS AURELIA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS CASHMERE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	short
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS CURTIS

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS ELSIE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	short
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	horizontal

KWS EMRIS

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS ENDURIS

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	semi-erect to intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect
Time of ear emergence	early to medium
Flag leaf glaucosity	strong
Ear glaucosity	strong
Ear attitude (21 days after ear emergence)	semi-erect to horizontal
Length (stem, ears and awns)	medium

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong
Lemma nerves (at early dough)	medium to strong

Ear

Number of rows	two
Shape	parallel
Density	medium
Length (excluding awns)	short to medium
Awn length (compared to ear)	long
Median spikelet - length of glume+awn cf grain	slightly longer

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

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

KWS IRINA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS LENNOX

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS LOXANNE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	dense
Length	short
Shape	tapering

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS ORPHELIA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	tapering

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS SASSY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS SPECTRA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS VITARA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LAUREATE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG BRONCO

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	long
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG CROSSBOW

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	semi-erect to intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect to horizontal
Time of ear emergence	medium
Flag leaf glaucosity	strong to very strong
Ear glaucosity	strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	short to medium

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong
Lemma nerves (at early dough)	medium

Ear

Number of rows	two
Shape	parallel
Density	medium to dense
Length (excluding awns)	short
Awn length (compared to ear)	long to very long
Median spikelet - length of glume+awn cf grain	equal

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium
Curvature of first segment	weak

LG DIABLO

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

LG ENCHANT

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG FLAMENCO**CHARACTERS IN DETAIL****Ear**

Number of rows	two
Density	medium to dense
Length	medium
Shape	tapering

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	very weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG FURLONG

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	long
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude	erect to semi-erect

LG GODDESS

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

LG LODESTAR

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG MERMAID

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG OPERA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG ROCKSTAR

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	very short
Shape	tapering

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG SERENGETI

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	very lax to lax
Length	long
Shape	tapering to parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG SUNSET

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

LG TOMAHAWK

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

LIMONA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Lucienne**

Crop:

Breeders Reference: BE2007011006

AFP No: 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:	
*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:	
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:	Weakly coloured
*Grain- rachilla hair type:	Long
Grain- rachilla length:	
Grain- rachilla - length of tip hairs:	
Grain- spiculation of inner lateral nerves:	Weak to medium
Grain- spiculation of outer lateral nerves:	
Grain- anthocyanin colouration of lemma nerves:	
*Grain- ventral furrow - presence of hairs:	Present
*Grain- husk:	Present
Grain- length of lodicules ("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.

28 March 2017

Variety Name: **Luther**

Crop: Spring Barley

Breeders Reference: NORD 15/2448

AFP No:

Breeder: NORDSAAT

Translated from: German

Origin:

Date: 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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

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

06 May 2020

MAGNATA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MALT JAGGER

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MALVERN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MARACA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium to long
Shape	

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Maresi**

Crop: Spring Barley

Breeders Reference: VSB 347

AFP No: 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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	
*Seasonal type:	spring
Extra characters:	Length of leaf blade short to medium; width of leaf blade medium to broad.

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

28 March 2017

MARIONETTE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MARIPOSA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MARONIS

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	short to medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MAYFLOWER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MELIUS

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MICKLE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

Variety Name: **Milford**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Saatucht Josef Breun

Translated from: German

Origin:

Date: 15 September 2011

Code: MILF

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

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

30 March 2015

MINSTREL

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MOMENTUM

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MONTOYA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	tapering

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

MOONSHINE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	long
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

NATASIA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

NFC TIPPLE

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

NORTHSTAR

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

NOS TUCANA

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	semi-erect to intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect
Time of ear emergence	medium
Flag leaf glaucosity	strong
Ear glaucosity	strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	short to medium

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong to very strong
Lemma nerves (at early dough)	medium

Ear

Number of rows	two
Shape	slightly tapering
Density	medium
Length (excluding awns)	short to medium
Awn length (compared to ear)	long to very long
Median spikelet - length of glume+awn cf grain	equal

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

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

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	semi-erect to intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect to horizontal
Time of ear emergence	medium
Flag leaf glaucosity	strong to very strong
Ear glaucosity	strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	medium to long

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong
Lemma nerves (at early dough)	strong

Ear

Number of rows	two
Shape	slightly tapering
Density	sparse to medium
Length (excluding awns)	medium
Awn length (compared to ear)	long
Median spikelet - length of glume+awn cf grain	much longer

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium
Curvature of first segment	very weak

OCTAVIA

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ODYSSEY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

OLYMPUS

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

OPTIC

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ORBITAL

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

ORIGIN

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

Length of first segment	short
Curvature of first segment	very weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

OVATION

CHARACTERS IN DETAIL

Ear

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

Awn

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

Rachis

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

Spikelet

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

Grain

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

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

OVERTURE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	absent or very weak
Awn tips	strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

PANDA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	short to medium
Shape	parallel

Awn

Length compared to ear	medium (+/- equal to ear)
------------------------	---------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary(deficiens)
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	absent or very weak
Ear - attitude 21 days after ear emerg.	erect to semi-erect

PANTHER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium to long
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	very weak to weak
Awn tips	strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

PATHFINDER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	medium to long
------------------------	----------------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	weak to medium
Lemma nerves - at early dough	weak
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	very short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	strong
Ear - attitude 21 days after ear emerg.	semi-erect

PENTHOUSE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

Awn

Length compared to ear	medium to long
------------------------	----------------

Rachis

Length of first segment	medium to long
Curvature of first segment	strong

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	absent
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	semi-erect to horizontal

PEWTER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	weak to medium
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	horizontal

PINOCCHIO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	parallel

Awn

Length compared to ear	medium to long
------------------------	----------------

Rachis

Length of first segment	short
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong to v.strong
Lemma nerves - at early dough	weak
Awn tips	very strong

Plant growth characters

Plant - growth habit	intermediate to semi prostrate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	horizontal

PIPER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

Variety Name: **Pirona**

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:	
*Sterile spikelet-attitude:	Parallel
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:	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:	Weak to medium
*Grain- ventral furrow - presence of hairs:	Absent
*Grain- husk:	Absent
Grain- length of lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety.

28 March 2018

PLAYER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium to long
Shape	tapering to parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude	erect to semi-erect

PRAGUE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering to parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	weak to medium
Lemma nerves - at early dough	very weak to weak
Awn tips	weak

Plant growth characters

Plant - growth habit	semi-erect
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	semi-erect

PRODIGAL

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	short
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	frontal

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium to strong
Awn tips	strong

Plant growth characters

Plant - growth habit	semi-erect
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude 21 days after ear emerg.	semi-erect

PROPINO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	very early to early
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	weak to medium
Ear - attitude 21 days after ear emerg.	semi-erect to horizontal

Variety Name: **Prospect**

Crop: Spring Barley

Breeders Reference: SJ 148527

AFP No:

Breeder: Senova Ltd

Translated from: Danish

Origin:

Date: 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:	
Flag leaf- glaucosity of sheath:	Strong to very strong
*Ear- glaucosity:	Strong
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:	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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety.

06 May 2020

PTARMIGAN

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	horizontal
Time of ear emergence	medium
Flag leaf glaucosity	strong
Ear glaucosity	medium
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	short to medium

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong
Lemma nerves (at early dough)	strong

Ear

Number of rows	two
Shape	slightly tapering
Density	sparse to medium
Length (excluding awns)	medium
Awn length (compared to ear)	long
Median spikelet - length of glume+awn cf grain	much longer

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium
Curvature of first segment	very weak

PUBLICAN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	v. weak to weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	horizontal

QUENCH

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect to horizontal

REBECCA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	very lax to lax
Length	medium to long
Shape	parallel

Awn

Length compared to ear	medium to long
------------------------	----------------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium to strong

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn cf grain	longer

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	very strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	very late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude 21 days after ear emerg.	horizontal to semi-recurved

RENAISSANCE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering to parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

RGT ASTEROID

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

Variety Name: **RGT BAZILLE**

Crop: Spring Barley

Breeders Reference: LSB 0976-10

AFP No:

Breeder: RAGT 2n

Translated from: French

Origin:

Date: 27 March 2018

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
Ear- shape:	Parallel
*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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety.

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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety.

20 April 2023

RGT CONQUEST

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

RGT CURIOSITY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium to long
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude	erect to semi-erect

RGT ECLIPSE

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect to horizontal
Time of ear emergence	early to medium
Flag leaf glaucosity	strong
Ear glaucosity	medium to strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	medium

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	medium to strong
Lemma nerves (at early dough)	medium to strong

Ear

Number of rows	two
Shape	parallel
Density	sparse to medium
Length (excluding awns)	medium
Awn length (compared to ear)	medium to long
Median spikelet - length of glume+awn cf grain	slightly longer

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium
Curvature of first segment	weak

RGT ORBITER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	strong
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	semi-erect to horizontal

Variety Name: **RGT PLANET**

Crop:

Breeders Reference:

AFP No:

Breeder: RAGT 2n

Translated from: French

Origin:

Date: 02 April 2015

Code: RGTP

*Plant - growth habit:	Intermediate
*Lower leaves - hairiness of leaf sheaths:	Absent
*Time of ear emergence:	Medium
*Flag leaf- anthocyanin colouration of auricles:	Strong
Frequency of plants with recurved flag leaves:	Low
Flag leaf- glaucosity of sheath:	Strong
*Ear- glaucosity:	Medium to strong
Ear- attitude:	Semi erect to horizontal
Ear- length:	Long
*Ear- number of rows:	Two
*Ear- density:	Lax to medium
Ear- shape:	
*Awn- anthocyanin colouration of the tips:	
*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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety.

09 April 2015

RGT SLIPSTREAM

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium to long
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	strong

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

RGT STARLIGHT

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	very short to short
Shape	parallel

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	husked
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	semi-erect

RGT TUFNELL

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	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	semi-erect

RHYNOCOSTAR

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	very lax to lax
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

RIVIERA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium to strong

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium
Lemma nerves - at early dough	weak
Awn tips	weak to medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	semi-erect to horizontal

ROCKER

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect
Time of ear emergence	medium
Flag leaf glaucosity	strong
Ear glaucosity	medium to strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	short

Anthocyanin colouration

Flag leaf auricles	strong to very strong
Awn tips	medium to strong
Lemma nerves (at early dough)	medium

Ear

Number of rows	two
Shape	parallel
Density	medium to dense
Length (excluding awns)	short
Awn length (compared to ear)	medium to long
Median spikelet - length of glume+awn cf grain	equal

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium
Curvature of first segment	weak

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	long
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect to horizontal
Time of ear emergence	medium
Flag leaf glaucosity	strong to very strong
Ear glaucosity	strong
Ear attitude (21 days after ear emergence)	semi-erect
Length (stem, ears and awns)	medium to long

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong
Lemma nerves (at early dough)	strong

Ear

Number of rows	two
Shape	parallel
Density	medium
Length (excluding awns)	medium
Awn length (compared to ear)	long
Median spikelet - length of glume+awn cf grain	much longer

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium
Curvature of first segment	very weak

SANETTE**CHARACTERS IN DETAIL****Ear**

Number of rows	two
Density	medium
Length	short
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude	erect to semi-erect

Variety Name: **Sangria**

Crop:

Breeders Reference: AC 09-586-4

AFP No:

Breeder: Ackermann Saatzucht GmbH &
Co KG

Translated from:

Origin:

Date: 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 lodicles:	Clasping
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety.

19 March 2019

SCHOLAR

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	short to medium
Shape	tapering

Awn

Length compared to ear	medium
------------------------	--------

Rachis

Length of first segment	medium
Curvature of first segment	medium to strong

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	very short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

Variety Name: **Scrabble**

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:	
*Ear- number of rows:	Two
*Ear- density:	Lax to medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	
*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:	Medium
Collar type:	
Rachis- length of first segment:	Short to 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:	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 lodicules ("collar" type only):	
Grain- disposition of lodicules:	Clasping
*Seasonal type:	Spring
Extra characters:	

* = Characteristics which should always be included in the description of the variety. 04 May 2022

SHADA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium to long
Shape	parallel

Awn

Length compared to ear	medium (+/- equal to ear)
------------------------	---------------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary(deficiens)
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

Variety Name: **Shakira**

Crop: Spring Barley

Breeders Reference: AC 99373/19

AFP No: 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:	
*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:	
*Plant height:	short
Collar type:	
Rachis- length of first segment:	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
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 lodicules ("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

SHANDY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

SHALOO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium to long
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

SHIRLEY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	medium to long
------------------------	----------------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	v. weak to weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	very early to early
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

SHUFFLE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	very weak to weak
Awn tips	strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SIENNA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

SKYWAY

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	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

SNAKEBITE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	parallel

Awn

Length compared to ear	+/- equal to longer
------------------------	---------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	v. weak to weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	weak to medium
Lemma nerves - at early dough	weak
Awn tips	weak to medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	very short to short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude 21 days after ear emerg.	semi-erect

SNAPPER**CHARACTERS IN DETAIL****Ear**

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SOCCKER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium to long
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	absent or very weak
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

SOLDO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium to strong

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong to very strong
Lemma nerves - at early dough	medium to strong
Awn tips	strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect to horizontal

SPARKLE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	absent or very weak
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SUMIT

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	very weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	very short to short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SUN KING

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	very weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	husked
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SW CATRIONA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium
Lemma nerves - at early dough	absent or very weak
Awn tips	weak

Plant growth characters

Plant - growth habit	semi-erect
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	weak
Ear - attitude 21 days after ear emerg.	semi-erect

SW MAKOF

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	medium
Lemma nerves - at early dough	absent or very weak
Awn tips	weak

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	weak
Ear - attitude 21 days after ear emerg.	semi-erect

SY ABOYNE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium to long
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SY AMITY

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium to long
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY ARDERIN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	erect to semi-erect

SY ARROW

CHARACTERS IN DETAIL

Grain

Aleurone colour	whitish
Rachilla hair type	short
Spiculation of inner lateral nerves	absent or very weak
Husk (presence after harvest)	husked
Ventral furrow hairiness	absent
Shape of lemma base	bevelled

Plant

Growth habit	semi-erect to intermediate
Green colour (at tillering)	medium
Lower leaf sheath hairiness	absent
Flag leaf attitude	semi-erect to horizontal
Time of ear emergence	medium to late
Flag leaf glaucosity	medium to strong
Ear glaucosity	strong
Ear attitude (21 days after ear emergence)	semi-erect to horizontal
Length (stem, ears and awns)	medium to long

Anthocyanin colouration

Flag leaf auricles	strong
Awn tips	strong
Lemma nerves (at early dough)	medium

Ear

Number of rows	two
Shape	slightly tapering
Density	sparse
Length (excluding awns)	medium
Awn length (compared to ear)	long
Median spikelet - length of glume+awn cf grain	equal

Sterile Spikelet

Development	none or rudimentary
Attitude	not applicable

Rachis

Length of first segment	medium to long
Curvature of first segment	very weak

SY BARRELL

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	strong to very strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SY BRONTE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	sparse to medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	husked
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	erect to semi-erect

SY CONTOUR

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	long
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

SY DOLOMITE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect to horizontal

SY EMERSON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	long
Shape	parallel

Awn

Length compared to ear	medium
------------------------	--------

Rachis

Length of first segment	medium
Curvature of first segment	strong

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude	erect to semi-erect

SY FABLE

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium to long
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY FIRKIN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

SY KAILASH

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY LUCENT

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	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak to medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY SIGNET**CHARACTERS IN DETAIL****Ear**

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	husked
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY STANZA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	semi-erect to horizontal

SY SPLENDOR

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
Length	medium to long
Shape	tapering to parallel

Awn

Length compared to ear	long to very long
------------------------	-------------------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY TABERNA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium to long
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	long
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	very weak to weak
Awn tips	strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong to very strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

SY TENNYSON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	very weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	husked
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude	erect to semi-erect

SY TUNGSTEN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	very lax to lax
Length	long
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	strong
Ear - attitude	erect to semi-erect

SY UNIVERSAL

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium
Awn tips	strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

TENZING

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	dense
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	non-husked
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude	semi-erect

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	long
Curvature of first segment	very weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	semi-erect

TOTEM

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	short to medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short to medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	erect to semi-erect

TOUCAN

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	medium
Shape	parallel

Awn

Length compared to ear	+/- equal to longer
------------------------	---------------------

Rachis

Length of first segment	medium to long
Curvature of first segment	medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent/v. weak (0-2 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium
Ear - attitude 21 days after ear emerg.	semi-erect

VAULT

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	very lax to lax
Length	medium to long
Shape	tapering

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	very weak to weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium
Lemma nerves - at early dough	weak to medium
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium to late
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	medium to strong
Ear - attitude 21 days after ear emerg.	erect to semi-erect

WAGGON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	medium to long
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	medium to strong

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn cf grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	weak (1-2 per nerve)
Rachilla hair type	long
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium
Ear - glaucosity	weak to medium
Ear - attitude 21 days after ear emerg.	horizontal

WESTMINSTER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	long (longer than ear)
------------------------	------------------------

Rachis

Length of first segment	medium
Curvature of first segment	weak to medium

Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	medium (3-5 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak
Awn tips	medium

Plant growth characters

Plant - growth habit	intermediate to semi-prostrate
Plant - length	medium to long
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	early to medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	weak to medium
Ear - attitude 21 days after ear emerg.	horizontal to semi-recurved

WINSTON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium to dense
Length	medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	equal

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	medium to strong
Awn tips	medium to strong

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	medium
Ear - attitude	semi-erect

WYLANDA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax to medium
Length	short to medium
Shape	parallel

Awn

Length compared to ear	long
------------------------	------

Rachis

Length of first segment	medium
Curvature of first segment	weak

Spikelet

Sterile spikelet - attitude	n/a
Sterile spikelet - development	none or rudimentary
Median spikelet - length of glume+awn of grain	longer

Grain

Kernel - colour of aleurone layer	whitish
Husk - presence after harvest	present
Spiculation of inner lateral nerves	absent or v. weak
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping

Anthocyanin colouration

Flag leaf - auricles	medium to strong
Lemma nerves - at early dough	medium
Awn tips	medium

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Plant - length	short
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	medium to strong
Ear - glaucosity	weak to medium
Ear - attitude	semi-erect