

# ACCLAIM

## CHARACTERS IN DETAIL

### Ear

Number of rows	two
Density	medium
Length	short
Shape	tapering

### Awn

Length compared to ear	long (longer than ear)
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### Rachis

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

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

## 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
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#### 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

## SPRING BARLEY

AFP 2/2606

# ACOUSTIC

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2623

# 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)
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2644

# ALVESTON

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

Length compared to ear	long
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#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

Variety Name: **Amalika**

Crop:

Breeders Reference:

AFP No: 2/2703

Breeder: nordic Seed A/S

Translated from: Danish

Origin:

Date: 23 March 2015

Code: AMAL

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

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

30 March 2015

## ARMADA

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

## SPRING BARLEY

AFP 2/2683

# ARTEMIDA

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	long
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#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## SPRING BARLEY

AFP 2/2631

# 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
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#### 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	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

## SPRING BARLEY

AFP 2/2633

# 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)
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2854

# AVENGER

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	long
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#### 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

## BELGRAVIA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

## BOGART

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

Length compared to ear	long
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#### 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

## SPRING BARLEY

AFP 2/2649

# BRIONI

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

#### Awn

Length compared to ear	medium
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## BUNTING

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

#### Awn

Length compared to ear	long
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#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2104

# CALICO

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	long
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#### 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



## 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)
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#### 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

## CHANSON

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	short
Shape	parallel

#### Awn

Length compared to ear	long to very long
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#### 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	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
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### Rachis

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

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

## CHAPEAU

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

Length compared to ear	long (longer than ear)
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## CHARMAY

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

Length of first segment	short
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## CHECKMATE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

# CHEERIO

## CHARACTERS IN DETAIL

### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

### Awn

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

### Rachis

Length of first segment	short
Curvature of first segment	medium

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

**CHARACTERS IN DETAIL**

**Ear**

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

**Awn**

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

**Rachis**

Length of first segment	short
Curvature of first segment	medium

**Spikelet**

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

**Grain**

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

**Anthocyanin colouration**

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

**Plant growth characters**

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



## CHRONICLE

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## COCKTAIL

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## CONCERTO

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## CONTENDER

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

Variety Name: **Cristalia**

Crop: Spring Barley

Breeders Reference:

AFP No:

Breeder: Ets Claude Camille Benoist SA

Translated from: French

Origin:

Date: 25 March 2004

Code: CRST

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

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

30 March 2015

## CROONER

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	short
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2276

# 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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	weak 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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## SPRING BARLEY

AFP 2/674

# DANDY

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## 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 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	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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2702

# 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 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	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 2/1865

## 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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## 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 cf grain	longer

#### Grain

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

#### Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	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: **EVELINA**

Crop: Spring Barley

Breeders Reference: SE 501/05SG

AFP No:

Breeder: Landwirtschaftliche Fachschule  
Edelhof Saatzucht

Translated from: German

Origin:

Date: 12 June 2015

Code: EVEL

*Plant - growth habit:	semi erect
*Lower leaves - hairiness of leaf sheaths:	absent
*Time of ear emergence:	early to medium
*Flag leaf- anthocyanin colouration of auricles:	strong to very strong
Frequency of plants with recurved flag leaves:	low to medium
Flag leaf- glaucosity of sheath:	strong to very strong
*Ear- glaucosity:	medium
Ear- attitude:	semi erect`
Ear- length:	medium to long
*Ear- number of rows:	two
*Ear- density:	medium to dense
Ear- shape:	tapering to parallel
*Awn- anthocyanin colouration of the tips:	strong
*Awn- length compared to ear:	medium to long
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	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:	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 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.

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 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:	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

## SPRING BARLEY

AFP 2/2777

# 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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

#### 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

## 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

## FORENSIC

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2335

# 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 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	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

## GLASSEL

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## GOLDEN PROMISE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2627

# HACKER

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2712

# HAVEN

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## HEMINGWAY

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/1936

# 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

## 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

## SPRING BARLEY

AFP 2/2695

# 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

## SPRING BARLEY

AFP 2/2795

# INTREPID

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



Variety Name: **Invictus**

Crop:

Breeders Reference:

AFP No: 2/2681

Breeder: Sejt Planteformaedling I/S

Translated from: Dutch

Origin:

Date: 23 March 2015

Code: Invi

*Plant - growth habit:	Immediate to semi prostrate
*Lower leaves - hairiness of leaf sheaths:	
*Time of ear emergence:	
*Flag leaf- anthocyanin colouration of auricles:	Strong
Frequency of plants with recurved flag leaves:	Medium
Flag leaf- glaucosity of sheath:	Strong to very strong
*Ear- glaucosity:	Strong to very strong
Ear- attitude:	Horizontal to semi recurved
Ear- length:	Medium
*Ear- number of rows:	Two
*Ear- density:	Lax to medium
Ear- shape:	Parallel
*Awn- anthocyanin colouration of the tips:	
*Awn- length compared to ear:	
Awn- spiculation of margins:	
*Sterile spikelet-attitude:	Non or rudimentary
Sterile spikelet-shape of tip:	
Sterile spikelet- length of lemma:	
Median spikelet- length of glume + awn of 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

## SPRING BARLEY

AFP 2/2566

# KELIM

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2620

# KERSTIN

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## KWS AURELIA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

**KWS 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 cf grain	longer

**Grain**

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

**Anthocyanin colouration**

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

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## KWS LENNOX

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

**KWS 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

## SPRING BARLEY

AFP 2/2771

# KWS SASSY

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## KWS SPECTRA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2706

# KWS VITARA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## LAUREATE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## 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 cf grain	longer

#### Grain

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

#### Anthocyanin colouration

Flag leaf - auricles	strong
Lemma nerves - at early dough	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

## SPRING BARLEY

AFP 2/2847

# 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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

Plant - growth habit	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

# 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 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	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



# MALT JAGGER

## CHARACTERS IN DETAIL

### Ear

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

### Awn

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

### Rachis

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

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

## SPRING BARLEY

AFP 2/1841

# 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

## SPRING BARLEY

AFP 2/2393

# 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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

## SPRING BARLEY

AFP 2/2622

# MARY

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## MAYFLOWER

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2641

# 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

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

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

30 March 2015



## MINSTREL

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## MOMENTUM

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2551

# MONTOYA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	short
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## MOONSHINE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	long
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2575

# NATASIA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## NFC TIPPLE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2710

# NORTHSTAR

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2699

# OCTAVIA

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## SPRING BARLEY

AFP 2/2470

# ODYSSEY

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## OLYMPUS

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## OPTIC

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

# ORBITAL

## CHARACTERS IN DETAIL

### Ear

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

### Awn

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

### Rachis

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

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

## SPRING BARLEY

AFP 2/2792

# ORIGIN

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	short
Curvature of first segment	very weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

# OVATION

## CHARACTERS IN DETAIL

### Ear

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

### Awn

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

### Rachis

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

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

## OVERTURE

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

# PANDA

## CHARACTERS IN DETAIL

### Ear

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

### Awn

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

### Rachis

Length of first segment	medium
Curvature of first segment	weak

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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



## PANTHER

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## PATHFINDER

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## PENTHOUSE

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## PEWTER

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

**PINOCCHIO****CHARACTERS IN DETAIL****Ear**

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

**Awn**

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

**Rachis**

Length of first segment	short
Curvature of first segment	medium

**Spikelet**

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

**Grain**

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

**Anthocyanin colouration**

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

**Plant growth characters**

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

## PIPER

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	tapering

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2130

# PRAGUE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## PRODIGAL

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## PROPINO

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## PUBLICAN

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

# QUENCH

## CHARACTERS IN DETAIL

### Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

### Awn

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

### Rachis

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

### Spikelet

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

### Grain

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

### Anthocyanin colouration

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

### Plant growth characters

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

**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
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**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 cf grain	equal

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

**RGT CONQUEST****CHARACTERS IN DETAIL****Ear**

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

**Awn**

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

**Rachis**

Length of first segment	medium
Curvature of first segment	weak

**Spikelet**

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

**Grain**

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

**Anthocyanin colouration**

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

**Plant growth characters**

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

Variety Name: **RGT PLANET**

Crop:

Breeders Reference:

AFP No:

Breeder: RAGT 2n

Translated from: French

Origin:

Date: 02 April 2015

Code: RGTP

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

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

09 April 2015

## RHYNCOSTAR

### 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

## SPRING BARLEY

AFP 2/2572

# SANETTE

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	short
Shape	tapering

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SCHOLAR

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	medium
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SHADA

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SHANDY

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

Length compared to ear	long
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#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SHALOO

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2407

## 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 cf 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

## SNAPPER

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## SPRING BARLEY

AFP 2/2397

# SHUFFLE

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

**CHARACTERS IN DETAIL**

**Ear**

Number of rows	two
Density	medium
Length	short
Shape	parallel

**Awn**

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

**Rachis**

Length of first segment	medium
Curvature of first segment	weak

**Spikelet**

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

**Grain**

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

**Anthocyanin colouration**

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

**Plant growth characters**

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

## SNAKEBITE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2485

# SOLDO

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPARKLE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2402

# SUMIT

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	very weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SW CATRIONA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

Sterile spikelet - attitude	divergent
Sterile spikelet - development	full
Median spikelet - length of glume+awn 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	semi-erect
Plant - length	medium
Lower leaf - hairiness of sheaths	absent
Time of ear emergence	medium
Flag leaf - glaucosity of sheath	strong
Ear - glaucosity	weak
Ear - attitude 21 days after ear emerg.	semi-erect

## SW MAKOF

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

#### Awn

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

#### Rachis

Length of first segment	medium
Curvature of first segment	medium

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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



## SY ABOYNE

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	long
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#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2497

# SY BARRELL

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	

#### Awn

Length compared to ear	long
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#### Rachis

Length of first segment	medium
Curvature of first segment	weak

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2494

# SY FIRKIN

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	lax
Length	medium
Shape	parallel

#### Awn

Length compared to ear	long
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SY TABERNA

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	long (longer than ear)
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SY UNIVERSAL

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	short to medium
Shape	

#### Awn

Length compared to ear	long
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/2541

## TESLA

### CHARACTERS IN DETAIL

#### Ear

Number of rows	two
Density	medium
Length	medium
Shape	tapering

#### Awn

Length compared to ear	long
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#### 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

## SPRING BARLEY

AFP 2/2782

# TOTEM

### CHARACTERS IN DETAIL

#### Ear

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

#### Awn

Length compared to ear	long
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#### Rachis

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

#### Spikelet

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

#### Grain

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

#### Anthocyanin colouration

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

#### Plant growth characters

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

## SPRING BARLEY

AFP 2/1957

# 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
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#### 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



## SPRING BARLEY

AFP 2/2717

# 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
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#### 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

## SPRING BARLEY

AFP 2/1963

# 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)
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#### 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)
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#### Rachis

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

#### Spikelet

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

#### Grain

Kernel - colour of aleurone layer	whitish ("white")
Husk - presence after harvest	present
Spiculation of inner lateral nerves	medium (3-5 per nerve)
Rachilla hair type	short
Ventral furrow - presence of hairs	absent
Disposition of lodicules	clasping ("collar" type)

#### Anthocyanin colouration

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

#### Plant growth characters

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