

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

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

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

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

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 cf grain	equal

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

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

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 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	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

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

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

CHEERIO

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
Shape	parallel

Awn

Length compared to ear	medium to long
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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

CHILL

CHARACTERS IN DETAIL

Ear

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

Awn

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

CROONER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	short
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	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

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)
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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

DEVERON

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
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

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

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
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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	
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

DRAGOON

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	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

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)
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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	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

GARNER

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	lax
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	n/a
Sterile spikelet - development	none or rudimentary(deficiens)
Median spikelet - length of glume+awn cf grain	equal

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

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	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
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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	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

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

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

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)
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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(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

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)
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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(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 IRINA

CHARACTERS IN DETAIL

Ear

Number of rows	two
Density	medium
Length	medium
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	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 ORPHELIA

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
Curvature of first segment	weak

Spikelet

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

Grain

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

Anthocyanin colouration

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

Plant growth characters

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

KWS SPECTRA

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	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

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

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

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

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

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

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

NORTHSTAR

CHARACTERS IN DETAIL

Ear

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

Awn

Length compared to ear	medium
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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	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

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

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
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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	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)
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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

OVERTURE

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

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)
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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(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)
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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	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

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
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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	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
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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
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)
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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	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

PROPINO

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	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)
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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	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)
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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	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

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)
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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	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
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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	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

RHYNCCOSTAR

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)
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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	
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

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)
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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(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

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

SHUFFLE

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	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
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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

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
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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 ("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

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)
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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 ("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

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)
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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 ("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)
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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 ("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 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

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

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

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

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