

Variety Name: **Anabel**

Crop:

Breeder's Reference: SG-S1257-09

AFP No:

Breeder: SELGEN

Translated from: CZECH

Origin:

Date: 20 February 2014

Code: ANAB

Coleoptile-anthocyanin colouration:

***Plant - growth habit:**

***Time ear emergence:**

Flag leaf - Anthocyanin colouration of auricles:

Frequency of plants with recurved flag leaves:

***Flag leaf - Glaucosity of sheath:**

Flag leaf - Glaucosity of leaf blade:

Anthers - anthocyanin colouration:

Glaucosity of neck:

Hairiness of uppermost node:

***Plant - height:**

***Straw - wall thickness @ 20cms below ear:**

***Ear - Glaucosity:**

Ear - Supernumerary spikelets - frequency:

***Ear - Colour:**

***Ear - Shape (side profile):**

Ear - Length:

***Ear - Density:**

***Awns or scurs - presence:**

Awns or scurs - distribution:

***Scurs at tip of ear - length:**

***Awns at tip of ear - length:**

Lower glume - Beak length:

Lower glume - Beak shape (curvature):

Lower glume - Beak tip:

Lower glume - Shoulder width:

Lower glume - Shoulder type:

Lower glume - External surface roughness:

Lower glume - Extent of internal hairs:

Lower glume - Internal imprint:

Lower lemma - Beak shape:

Lower lemma - Beak length-:

Lower lemma - Beak swelling:

Apical rachis segment - convex face hairiness:

***Grain - colour:**

Grain - Shape:

Grain - Brush hair length in dorsal view:

Grain - Colouration with phenol:

***Seasonal type:**

Extra characters:

Weak

Semi-erect to intermediate

Early to medium

Medium to high

Strong to very strong

Strong

Strong to very strong

Short to medium

Medium

Medium to strong

White

Tapering

Medium

Medium

Scurs present

Medium

Short

Medium to broad

Elevated

Weak

Medium

Red

Medium

Spring

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

08 March 2016

CHARLAND

CHARACTERS IN DETAIL

Grain

Colour	white
Colouration with phenol	dark

Plant

Anthocyanin colouration of coleoptile	medium to strong
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	medium
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	medium to strong
Flag leaf blade (lower side)	medium
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	slightly elevated
Length of beak	medium
Shape of beak	moderately curved
Extent of internal hairs	medium (Group 2)
External surface roughness	rough

Ear

Density	lax to medium
Length (excluding awns or scurs)	short
Awns or scurs - presence	scurs present
Awns or scurs - length	short to medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	small to medium
Awns or scurs - distribution	upper 1/4

EVERLONG**CHARACTERS IN DETAIL****Grain**

Colour	reddish
Colouration with phenol	medium

Plant

Anthocyanin colouration of coleoptile	absent or very weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	medium to long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong
Flag leaf blade (lower side)	strong
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	very narrow to narrow
Shoulder shape	horizontal to slightly elevated
Length of beak	short to medium
Shape of beak	slight to moderately curved
Extent of internal hairs	medium (Group 2)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	small to medium
Awns or scurs - distribution	upper 1/4

FALLER

CHARACTERS IN DETAIL

Ear

Colour
 Length
 Density
 Shape-side profile
 Awns or scurs - presence
 Awns or scurs - distribution
 Awns or scurs - length
 Apical rachis segment - convex face hairiness
 Anthers - anthocyanin colouration

white
 short to medium
 very lax to lax
 tapering
 awns present

 long to very long
 medium

Lower glume

External surface
 Extent of internal hairs
 Beak length
 Beak curvature
 Shoulder width
 Shoulder shape

smooth
 weak to medium (group 1+)
 long
 slight to moderately curved
 narrow to medium
 elev. to strongly elevated

Lower lemma

Beak curvature

Grain

Colour
 Colouration with phenol

red
 dark to very dark

Straw

Length
 Wall thickness @20cms below ear

long
 absent or very thin

Glaucosity

Flag leaf - sheath
 Flag leaf- blade (lower side)
 Culm - neck
 Ear

weak
 very weak to weak
 weak
 weak

Plant growth characters

Coleoptile - anthocyanin colouration
 Plant - growth habit
 Time of ear emergence
 Flag leaf - anthocyanin of auricles

absent or very weak
 semi-erect to intermediate
 early

HEXHAM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium to long
Density	lax
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	
Awns or scurs - length	long to very long
Apical rachis segment - convex face hairiness	medium to strong
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	medium
Beak curvature	slight to moderately curved
Shoulder width	narrow
Shoulder shape	elevated

Lower lemma

Beak curvature	slightly curved
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Grain

Colour	red
Colouration with phenol	medium to dark

Straw

Length	long
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	medium to strong
Culm - neck	medium to strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	

KWS ALDERON

CHARACTERS IN DETAIL

Ear

Colour	white
Length	short
Density	lax
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/2
Awns or scurs - length	medium
Apical rachis segment - convex face hairiness	strong
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong - Group 3
Beak length	short
Beak curvature	slight to moderately curved
Shoulder width	narrow
Shoulder shape	straight

Lower lemma

Beak curvature	slightly curved
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Grain

Colour	red
Colouration with phenol	dark to very dark

Straw

Length	short
Wall thickness @20cms below ear	medium

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	strong
Culm - neck	strong
Ear	strong to very strong

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	semi-erect
Time of ear emergence	medium
Flag leaf - anthocyanin of auricles	

KWS ALICIUM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	medium
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	medium
Apical rachis segment - convex face hairiness	medium
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	short
Beak curvature	v.slightly curved
Shoulder width	narrow
Shoulder shape	slightly elevated

Lower lemma

Beak curvature	moderately curved
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Grain

Colour	reddish
Colouration with phenol	dark

Straw

Length	long
Wall thickness @20cms below ear	thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	medium to strong
Culm - neck	medium
Ear	medium

Plant growth characters

Coleoptile - anthocyanin colouration	weak
Plant - growth habit	semi-erect
Time of ear emergence	early to medium
Flag leaf - anthocyanin of auricles	absent or very weak

Spring Wheat

[AFP 1/3290]

KWS BEZIQUE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	very weak to weak
Growth habit	intermediate
Frequency of plants with recurved flag leaves	low to medium
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	medium to long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong
Flag leaf blade (lower side)	strong
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	horizontal to slightly elevated
Length of beak	short to medium
Shape of beak	slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	medium
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	long to very long
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/2

Spring Wheat

[AFP 1/3502]

KWS BUGLE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium

Plant

Anthocyanin colouration of coleoptile	weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	medium
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	long to very long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong
Ear	medium to strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	slightly elevated to strongly elevated
Length of beak	medium to long
Shape of beak	slightly to moderately curved
Extent of internal hairs	medium (Group 2)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	long
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	small to medium
Awns or scurs - distribution	upper 1/2

KWS CHILHAM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	lax
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	long
Apical rachis segment - convex face hairiness	strong
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	short to medium
Beak curvature	slight to moderately curved
Shoulder width	narrow to medium
Shoulder shape	elevated

Lower lemma

Beak curvature	moderately curved
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Grain

Colour	red
Colouration with phenol	medium

Straw

Length	medium to long
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	medium to strong
Flag leaf- blade (lower side)	medium
Culm - neck	medium to strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	intermediate
Time of ear emergence	late
Flag leaf - anthocyanin of auricles	

KWS COCHISE

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	lax
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 3/4
Awns or scurs - length	very long
Apical rachis segment - convex face hairiness	medium to strong
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	short to medium
Beak curvature	slightly curved
Shoulder width	medium
Shoulder shape	elevated

Lower lemma

Beak curvature	slightly to moderately curved
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Grain

Colour	red
Colouration with phenol	medium to dark

Straw

Length	very long
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	medium
Culm - neck	medium to strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	late
Flag leaf - anthocyanin of auricles	

Spring Wheat

[AFP 1/3501]

KWS EENIE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium

Plant

Anthocyanin colouration of coleoptile	medium to strong
Growth habit	intermediate
Frequency of plants with recurved flag leaves	medium to high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	medium to long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	weak to medium
Flag leaf blade (lower side)	weak
Ear	weak to medium
Culm - neck	medium

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	slightly elevated
Length of beak	short to medium
Shape of beak	moderately to strongly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/2

KWS FIXUM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	lax
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 3/4
Awns or scurs - length	very long
Apical rachis segment - convex face hairiness	strong
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong to whole surface
Beak length	medium
Beak curvature	v.slightly curved
Shoulder width	narrow
Shoulder shape	straight to elevated

Lower lemma

Beak curvature	moderately curved
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Grain

Colour	red
Colouration with phenol	dark

Straw

Length	long
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	strong
Culm - neck	strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	absent or very weak

KWS FRISBEE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium

Plant

Anthocyanin colouration of coleoptile	strong to very strong
Growth habit	intermediate
Frequency of plants with recurved flag leaves	medium
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	long to very long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong
Ear	strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	very narrow to narrow
Shoulder shape	horizontal to slightly elevated
Length of beak	short to medium
Shape of beak	moderately curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	very lax to lax
Length (excluding awns or scurs)	medium to long
Awns or scurs - presence	scurs present
Awns or scurs - length	very short to short
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/4

KWS GIRAFFE

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium to long
Density	lax to medium
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	long
Apical rachis segment - convex face hairiness	strong to very strong
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong to whole surface
Beak length	short to medium
Beak curvature	v.slightly curved
Shoulder width	narrow to medium
Shoulder shape	straight

Lower lemma

Beak curvature	straight to slightly curved
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Grain

Colour	red
Colouration with phenol	medium to dark

Straw

Length	medium to long
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	strong to very strong
Flag leaf- blade (lower side)	strong
Culm - neck	strong to very strong
Ear	strong to very strong

Plant growth characters

Coleoptile - anthocyanin colouration	very weak to weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	

KWS HARSUM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	short to medium
Density	lax to medium
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/2
Awns or scurs - length	long to very long
Apical rachis segment - convex face hairiness	medium to large
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	medium to long
Beak curvature	slightly curved
Shoulder width	narrow to medium
Shoulder shape	slightly elevated

Lower lemma

Beak curvature	moderately to strongly curved
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Grain

Colour	reddish
Colouration with phenol	dark

Straw

Length	long
Wall thickness @20cms below ear	thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	medium to strong
Culm - neck	medium
Ear	medium

Plant growth characters

Coleoptile - anthocyanin colouration	weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	absent or very weak

Spring Wheat

[AFP 1/3394]

KWS HOMBRE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark

Plant

Anthocyanin colouration of coleoptile	absent or very weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high to very high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	medium to long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong
Ear	strong to very strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	horizontal to slightly elevated
Length of beak	medium
Shape of beak	slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax
Length (excluding awns or scurs)	medium
Awns or scurs - presence	scurs present
Awns or scurs - length	long
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/4

KWS Jordum**CHARACTERS IN DETAIL****Grain**

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	absent or very weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	medium
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong
Flag leaf blade (lower side)	strong
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	horizontal
Length of beak	short to medium
Shape of beak	slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium to long
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/2

KWS LADUM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	short to medium
Density	lax to medium
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	medium
Apical rachis segment - convex face hairiness	medium to strong
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong to whole surface
Beak length	short
Beak curvature	v.slightly curved
Shoulder width	narrow
Shoulder shape	straight to elevated

Lower lemma

Beak curvature	slightly to moderately curved
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Grain

Colour	red
Colouration with phenol	dark

Straw

Length	medium
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	very weak to weak
Flag leaf- blade (lower side)	very weak to weak
Culm - neck	very weak to weak
Ear	very weak to weak

Plant growth characters

Coleoptile - anthocyanin colouration	very weak to weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium
Flag leaf - anthocyanin of auricles	absent or very weak

KWS LIGHTUM

CHARACTERS IN DETAIL

Ear

Colour	white
Length	short to medium
Density	lax to medium
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	medium to long
Apical rachis segment - convex face hairiness	large
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	medium
Beak curvature	v.slightly curved
Shoulder width	narrow
Shoulder shape	slightly elevated

Lower lemma

Beak curvature	slightly to moderately curved
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Grain

Colour	reddish
Colouration with phenol	dark

Straw

Length	long to very long
Wall thickness @20cms below ear	thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	medium to strong
Culm - neck	medium
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	weak to medium
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium
Flag leaf - anthocyanin of auricles	absent or very weak

KWS SLEDGE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	absent or very weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high to very high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	late
Length (stem, ears, awns or scurs)	medium to long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	medium to strong
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	horizontal to slightly elevated
Length of beak	medium
Shape of beak	moderately curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	large
Awns or scurs - distribution	upper 1/4

Spring Wheat

[AFP 1/3395]

KWS SURRIDGE

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark to very dark

Plant

Anthocyanin colouration of coleoptile	very weak to weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	late
Length (stem, ears, awns or scurs)	medium
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong
Flag leaf blade (lower side)	medium to strong
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	slightly elevated
Length of beak	short to medium
Shape of beak	slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/4

KWS TALISKER

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	lax
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	
Awns or scurs - length	long
Apical rachis segment - convex face hairiness	medium
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	medium (group 2)
Beak length	medium to long
Beak curvature	slight to moderately curved
Shoulder width	narrow
Shoulder shape	elevated

Lower lemma

Beak curvature	slightly to moderately curved
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Grain

Colour	red
Colouration with phenol	dark

Straw

Length	long to very long
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	medium to strong
Flag leaf- blade (lower side)	medium
Culm - neck	medium to strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium
Flag leaf - anthocyanin of auricles	

Spring Wheat

[AFP 1/3506]

Laskarina

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark

Plant

Anthocyanin colouration of coleoptile	weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	medium to high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	early to medium
Length (stem, ears, awns or scurs)	long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong to very strong
Ear	strong to very strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	slightly elevated
Length of beak	medium to long
Shape of beak	moderately curved
Extent of internal hairs	medium (Group 2)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	medium to long
Awns or scurs - presence	scurs present
Awns or scurs - length	medium to long
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/2

LENNOX

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	lax
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	medium
Apical rachis segment - convex face hairiness	weak to medium
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong - Group 3
Beak length	short
Beak curvature	straight
Shoulder width	narrow
Shoulder shape	elevated

Lower lemma

Beak curvature	slightly curved
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Grain

Colour	red
Colouration with phenol	very dark

Straw

Length	short to medium
Wall thickness @20cms below ear	thin

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	strong
Culm - neck	strong
Ear	strong

Plant growth characters

Coleoptile - anthocyanin colouration	medium
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium
Flag leaf - anthocyanin of auricles	

Spring Wheat

[AFP 1/3399]

MERKAWA

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark to very dark

Plant

Anthocyanin colouration of coleoptile	weak
Growth habit	semi-erect
Frequency of plants with recurved flag leaves	medium to high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	medium
Straw wall thickness (20cm below ear)	not applicable

Glaucoisity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong
Ear	strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	horizontal to slightly elevated
Length of beak	medium
Shape of beak	v.slightly curved
Extent of internal hairs	medium to very large (Group 2+)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium to long
Colour	coloured
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	large
Awns or scurs - distribution	upper 1/4

MULIKA

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	medium
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	medium
Apical rachis segment - convex face hairiness	strong
Anthers - anthocyanin colouration	

Lower glume

External surface	smooth
Extent of internal hairs	strong - Group 3
Beak length	medium
Beak curvature	moderately curved
Shoulder width	narrow to medium
Shoulder shape	straight to elevated

Lower lemma

Beak curvature	strongly curved
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Grain

Colour	red
Colouration with phenol	dark

Straw

Length	short to medium
Wall thickness @20cms below ear	medium

Glaucosity

Flag leaf - sheath	weak
Flag leaf- blade (lower side)	weak
Culm - neck	weak
Ear	weak to medium

Plant growth characters

Coleoptile - anthocyanin colouration	weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium
Flag leaf - anthocyanin of auricles	

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium

Plant

Anthocyanin colouration of coleoptile	absent or very weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	low
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	short
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	medium to strong
Flag leaf blade (lower side)	medium
Ear	strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	horizontal to slightly elevated
Length of beak	short
Shape of beak	slightly curved
Extent of internal hairs	very small to medium (Group 1+)
External surface roughness	smooth

Ear

Density	medium to dense
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	short to medium
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	small to medium
Awns or scurs - distribution	upper 1/4

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	lax to medium
Shape-side profile	parallel sided
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	short to medium
Apical rachis segment - convex face hairiness	strong to very strong
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong (group 3)
Beak length	medium to long
Beak curvature	slight to moderately curved
Shoulder width	narrow
Shoulder shape	straight to elevated

Lower lemma

Beak curvature	moderately to strongly curved
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Grain

Colour	red
Colouration with phenol	dark

Straw

Length	medium
Wall thickness @20cms below ear	medium

Glaucosity

Flag leaf - sheath	medium to strong
Flag leaf- blade (lower side)	weak to medium
Culm - neck	medium
Ear	medium

Plant growth characters

Coleoptile - anthocyanin colouration	absent or very weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	absent or very weak

Spring Wheat

[AFP 1/3284]

OPHELIA

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark

Plant

Anthocyanin colouration of coleoptile	medium to strong
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	very high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	medium to long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong to very strong
Ear	strong to very strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	slightly elevated
Length of beak	medium to long
Shape of beak	slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	long
Awns or scurs - presence	scurs present
Awns or scurs - length	long to very long
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 3/4

Spring Wheat

[AFP 1/3169]

STR CHEETAH

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark to very dark

Plant

Anthocyanin colouration of coleoptile	weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	medium to high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong
Flag leaf blade (lower side)	strong
Ear	medium to strong
Culm - neck	strong

Lower glume

Hairiness of external surface	absent
Shoulder width	very narrow to narrow
Shoulder shape	slightly elevated
Length of beak	short
Shape of beak	v.slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	small to medium
Awns or scurs - distribution	upper 1/2

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	dark

Plant

Anthocyanin colouration of coleoptile	medium
Growth habit	semi-erect
Frequency of plants with recurved flag leaves	high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	short to medium
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	medium to strong
Flag leaf blade (lower side)	medium
Ear	medium to strong
Culm - neck	medium to strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	horizontal
Length of beak	short
Shape of beak	v.slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	small
Awns or scurs - distribution	upper 1/4

Variety Name: **SU Alvius**

Crop: Spring Wheat

Breeder's Reference: STRU 05-500-01109

AFP No:

Breeder: Strube Research GmbH

Translated from: German

Origin:

Date: 20 April 2023

Code: SUAL

Coleoptile-anthocyanin colouration:

***Plant - growth habit:**

***Time ear emergence:**

Flag leaf - Anthocyanin colouration of auricles:

Frequency of plants with recurved flag leaves:

***Flag leaf - Glaucosity of sheath:**

Flag leaf - Glaucosity of leaf blade:

Anthers - anthocyanin colouration:

Glaucosity of neck:

Hairiness of uppermost node:

***Plant - height:**

***Straw - wall thickness @ 20cms below ear:**

***Ear - Glaucosity:**

Ear - Supernumerary spikelets - frequency:

***Ear - Colour:**

***Ear - Shape (side profile):**

Ear - Length:

***Ear - Density:**

***Awns or scurs - presence:**

Awns or scurs - distribution:

***Scurs at tip of ear - length:**

***Awns at tip of ear - length:**

Lower glume - Beak length:

Lower glume - Beak shape (curvature):

Lower glume - Beak tip:

Lower glume - Shoulder width:

Lower glume - Shoulder type:

Lower glume - External surface roughness:

Lower glume - Extent of internal hairs:

Lower glume - Internal imprint:

Lower lemma - Beak shape:

Lower lemma - Beak length-:

Lower lemma - Beak swelling:

Apical rachis segment - convex face hairiness:

***Grain - colour:**

Grain - Shape:

Grain - Brush hair length in dorsal view:

Grain - Colouration with phenol:

***Seasonal type:**

Extra characters:

very weak to weak

semi-erect to intermediate

early to medium

low

very strong

strong to very strong

very strong

medium

medium

strong to very strong

white

parallel

short

dense to very dense

present

very short to short

very short to short

slightly to moderately curved

narrow

slightly sloping to straight

strong

red

medium to dark

Spring

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

20 April 2023

TYBALT

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium
Density	medium
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	
Awns or scurs - length	short
Apical rachis segment - convex face hairiness	absent or very weak
Anthers - anthocyanin colouration	

Lower glume

External surface	
Extent of internal hairs	strong - Group 3
Beak length	short
Beak curvature	slightly curved
Shoulder width	medium
Shoulder shape	sl. sloping to straight

Lower lemma

Beak curvature	straight
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Grain

Colour	red
Colouration with phenol	medium

Straw

Length	short
Wall thickness @20cms below ear	medium

Glaucosity

Flag leaf - sheath	strong
Flag leaf- blade (lower side)	
Culm - neck	medium to strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	weak
Plant - growth habit	semi-erect
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	

WPB CLIFDEN

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	very weak to weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high to very high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	medium
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	medium to strong
Ear	strong to very strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	slightly elevated
Length of beak	medium
Shape of beak	slightly to moderately curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/4

WPB ESCAPE

CHARACTERS IN DETAIL

Ear

Colour	white
Length	medium to long
Density	lax to medium
Shape-side profile	tapering
Awns or scurs - presence	scurs present
Awns or scurs - distribution	upper 1/4
Awns or scurs - length	medium to long
Apical rachis segment - convex face hairiness	strong
Anthers - anthocyanin colouration	absent

Lower glume

External surface	smooth
Extent of internal hairs	strong to whole surface
Beak length	medium
Beak curvature	v.slightly curved
Shoulder width	narrow
Shoulder shape	elevated

Lower lemma

Beak curvature	slightly to moderately curved
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Grain

Colour	red
Colouration with phenol	very light to light

Straw

Length	medium
Wall thickness @20cms below ear	absent or very thin

Glaucosity

Flag leaf - sheath	medium to strong
Flag leaf- blade (lower side)	medium to strong
Culm - neck	medium to strong
Ear	medium to strong

Plant growth characters

Coleoptile - anthocyanin colouration	very weak to weak
Plant - growth habit	semi-erect to intermediate
Time of ear emergence	medium to late
Flag leaf - anthocyanin of auricles	absent or very weak

WPB FRASER

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	medium to high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium to late
Length (stem, ears, awns or scurs)	medium
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	medium to strong
Ear	strong to very strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	very narrow to narrow
Shoulder shape	horizontal
Length of beak	medium to long
Shape of beak	v.slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax to medium
Length (excluding awns or scurs)	medium to long
Awns or scurs - presence	scurs present
Awns or scurs - length	long to very long
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	large
Awns or scurs - distribution	upper 1/2

Spring Wheat

[AFP 1/3503]

WPB HAYDEN

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	very weak to weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	medium to high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	long
Straw wall thickness (20cm below ear)	thin

Glaucosity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	medium to strong
Ear	strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow to medium
Shoulder shape	horizontal to slightly elevated
Length of beak	medium
Shape of beak	moderately curved
Extent of internal hairs	very large (Group 3)
External surface roughness	smooth

Ear

Density	lax
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	medium
Awns or scurs - distribution	upper 1/2

WPB LYNX

CHARACTERS IN DETAIL

Grain

Colour	reddish
Colouration with phenol	medium to dark

Plant

Anthocyanin colouration of coleoptile	weak to medium
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	low to medium
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	late
Length (stem, ears, awns or scurs)	medium
Straw wall thickness (20cm below ear)	medium

Glaucoisity

Flag leaf sheath	strong to very strong
Flag leaf blade (lower side)	strong to very strong
Ear	strong to very strong
Culm - neck	strong to very strong

Lower glume

Hairiness of external surface	absent
Shoulder width	narrow
Shoulder shape	horizontal to slightly elevated
Length of beak	short
Shape of beak	v.slightly curved
Extent of internal hairs	very small to medium (Group 1+)
External surface roughness	smooth

Ear

Density	medium to dense
Length (excluding awns or scurs)	short
Awns or scurs - presence	scurs present
Awns or scurs - length	medium
Colour	white
Shape in profile	parallel sided
Apical rachis hairiness on convex surface	medium to large
Awns or scurs - distribution	upper 1/4

WPB MYLO**CHARACTERS IN DETAIL****Grain**

Colour	reddish
Colouration with phenol	dark

Plant

Anthocyanin colouration of coleoptile	very weak to weak
Growth habit	semi-erect to intermediate
Frequency of plants with recurved flag leaves	high
Anthocyanin colouration of flag leaf auricles	absent or very weak
Time of ear emergence	medium
Length (stem, ears, awns or scurs)	long to very long

Glaucosity

Flag leaf sheath	strong
Flag leaf blade (lower side)	medium
Ear	very weak to weak
Culm - neck	medium to strong

Lower glume

Hairiness of external surface	absent
Shoulder width	very narrow to narrow
Shoulder shape	strongly elevated
Length of beak	very long
Shape of beak	v.slightly curved
Extent of internal hairs	very large (Group 3)
External surface roughness	slightly rough

Ear

Density	lax
Length (excluding awns or scurs)	short to medium
Awns or scurs - presence	awns present
Awns or scurs - length	very long
Colour	white
Shape in profile	tapering
Apical rachis hairiness on convex surface	small to medium
Awns or scurs - distribution	whole length