



NIAB COPYRIGHT

2021 WHEAT

CEREAL CROP INSPECTORS GUIDE TO WHEAT FIELD CHARACTERS 2021

VARIETY and plant height	Ear glaucosity	Ear density	Ear shape	Ear length	Spikelets from middle 1/3 of ear				Other features
					Lower glume external surface	Lower glume internal hair	Lower glume beak	Lower glume shoulder	

Winter wheat

BENNINGTON (short to medium)	medium	lax to medium	tapering	medium to long	smooth	3		medium; elevated	moderately to strongly curved lower lemma beak, thin straw wall. Not recommended
COSTELLO (very short to short)	medium to strong	medium	tapering	medium	slightly rough	1+	short; curvature strong	very narrow to narrow; elevated	strongly curved lower lemma beak, thin straw wall
CRUSOE (short)	absent to very weak	medium	parallel	short to medium	smooth	2+	short to medium; curvature slight to moderate	medium to broad; elevated	waxless plant; slight to moderately curved lower lemma beak, thin straw wall
DUNSTON (short)	medium	medium	tapering	medium to long	smooth	3	length medium; curvature slight	narrow; elevated	slightly curved lower lemma beak, thin straw wall. Not recommended
ELATION (short)	medium to strong	medium	parallel	short to medium	smooth	1+	medium; moderately curved	medium; straight to elevated	moderately curved lower lemma beak, thin straw wall
ELICIT (short)	medium to strong	medium to dense	parallel	medium	slightly rough	1	medium; slight to moderately curved	narrow; straight to elevated	moderately curved lower lemma beak, thin straw wall
EVOLUTION (short to medium)	medium	medium	parallel	medium	rough	1+	medium; strongly curved	medium; elevated	Not recommended; strong to geniculate lower lemma beak, thin straw wall
GLEAM (very short)	strong	medium to dense	parallel	short to medium	smooth	3	short to medium; very slightly curved	very narrow to narrow; straight to elevated	slightly curved lower lemma beak, thin straw wall.
GRAHAM (short to medium)	strong to very strong	medium to dense	parallel	long to very long	smooth	1	short; slightly curved	narrow; straight to elevated	slightly curved lower lemma beak, thin straw wall



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KWS BARREL (very short to short)	medium	medium	parallel	medium to long	smooth	3	medium; moderate to strongly curved	medium; elevated	moderately to strongly curved lower lemma beak, thin straw wall
KWS BASSET (very short to short)	medium	medium	parallel	medium to long	smooth	1+	long; moderately curved	narrow to medium; elevated	moderately curved lower lemma beak, thin straw wall. Not recommended
KWS CRANIUM (short to medium)	strong	lax to medium	tapering	medium to long	slightly rough	2+	length medium; curvature slight	narrow; elevated	moderate to strongly curved lower lemma beak, thin straw wall
KWS CRISPIN (short)	medium to strong	medium	parallel	medium to long	smooth	2	medium; moderately curved	narrow to medium; elevated	strongly curved lower lemma beak, thin straw wall. Not recommended
KWS EXTASE (short to medium)	medium to strong	lax to medium	tapering	medium to long	smooth	2	length short; slightly curved	narrow to medium; elevated	thin walled straw; moderately curved lower lemma beak
KWS FIREFLY (very short to short)	strong	medium	tapering	medium to long	slightly rough	2	length short to medium; slight to moderately curved	narrow to medium; elevated	straight to slightly curved lower lemma beak, thin straw wall
KWS JACKAL (short)	strong	medium	tapering	medium	smooth	2	medium; moderately curved	narrow to medium; elevated	moderately curved lower lemma beak, thin straw wall
KWS KERRIN (very short)	weak to medium	medium	parallel	medium	slightly rough	2	length medium; curvature medium	narrow to medium; straight to elevated	thin straw wall, moderately curved lower lemma beak
KWS KINETIC (short)	medium to strong	medium to dense	parallel	medium	smooth	3+	length short to medium; curvature slight to moderate	narrow; elevated	moderate to strongly curved lower lemma beak, thin straw wall



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KWS LILI (short)	medium to strong	dense	parallel	short to medium	slightly rough	2	short to medium; curvature slight	narrow; elevated	moderately curved lower lemma beak, thin straw wall. Not recommended
KWS SISKIN (short)	strong	medium	tapering	medium	rough	1+	short to medium; slight to moderately curved	very narrow to narrow; elevated	moderately curved lower lemma beak, thin straw wall
KWS ZYATT (very short)	strong	lax to medium	parallel	short to medium	rough	3	length short to medium; curvature slight	very narrow to narrow; elevated	thin straw wall, moderately curved lower lemma beak
LEEDS (short to medium)	medium	lax to medium	tapering	medium to long	slightly rough	2	medium; moderately curved	narrow; elevated	moderately curved lower lemma beak, thin straw wall. Not recommended
LG ASTRONOMER (short)	medium	lax to medium	parallel	medium to long	slightly rough	2	length medium to long; curvature moderate to strong	medium, straight to elevated	strongly curved lower lemma beak, thin straw wall
LG DETROIT (short)	strong	medium to dense	tapering	medium	smooth	2	length short to medium; slight to moderately curved	medium; elevated	moderately curved lower lemma beak, thin straw wall.
LG ILLUMINATE (very short to short)	strong	medium to dense	parallel	medium to long	slightly rough	2	length long; curvature moderate to strong	narrow to medium; straight to elevated	strongly curved lower lemma beak, thin straw wall
LG MOTOWN (very short to short)	medium to strong	medium	tapering	short	slightly rough	3	length short to medium; curvature strong	narrow; elevated	thin straw wall, strongly curved lower lemma beak, thin straw wall. Not recommended
LG PRINCE (very short to short)	medium to strong	lax to medium	parallel	medium to long	smooth	1	length medium to long; curvature moderate to strong	narrow to medium straight to elevated	strongly curved lower lemma beak, thin straw wall



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LG QUASAR (short to medium)	medium	dense	parallel	medium	smooth	2+	length medium to long; curvature slight to moderate	narrow to medium; straight to elevated	moderately curved lower lemma beak, thin straw wall
LG SKYSCRAPER (short to medium)	strong	medium	parallel	medium	slightly rough	3	length medium; slight to moderately curved	narrow; elevated	Internal hair strong to whole surface. Slightly curved lower lemma
LG SPOTLIGHT (short to medium)	medium	medium	tapering	medium to long	slightly rough	1	length medium; slight to moderately curved	narrow to medium; elevated	moderately curved lower lemma beak, thin straw wall
LG SUNDANCE (short to medium)	medium	dense	parallel	short	slightly rough	3	length medium; curvature slight to moderate	narrow; elevated	thin straw wall, moderately curved lower lemma beak
MERIT (short to medium)	Strong	medium to dense	parallel	medium to long	slightly rough	1+	length long; curvature moderate to strong	medium; straight to elevated	strongly curved lower lemma beak, thin straw wall
REVELATION (short to medium)	medium to strong	medium	tapering	medium	slightly rough	2	medium; moderately curved	medium; elevated	moderately curved lower lemma beak, thin straw wall. Not recommended
RGT GRAVITY (short to medium)	medium to strong	medium	tapering	short to medium	smooth	2	medium; slight to moderately curved	medium; elevated	moderately curved lower lemma beak, thin straw wall.
RGT ILLUSTRIOUS (very short to short)	medium	medium	parallel	medium	rough	2+	medium; slight to moderately curved	narrow to medium; elevated	moderately to strongly curved lower lemma beak, thin straw wall
RGT SAKI (very short to short)	medium to strong	medium	parallel	medium	smooth	2+	length long; curvature strong	narrow to medium; straight to elevated	geniculate lower lemma beak, thin straw wall.
RGT WOLVERINE (short)	medium	medium	parallel	medium	smooth	3	length short; curvature slight	medium; elevated	moderately curved lower lemma beak, thin straw wall



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SHABRAS (very short to short)	strong	medium to dense	parallel	short to medium	smooth	3	length medium; curvature medium	narrow to medium; strongly elevated to a 2nd point	moderate to strongly curved lower lemma beak, thin straw wall
SKYFALL (short to medium)	strong	medium	parallel	medium	smooth	3	long to very long; curvature slight	very narrow to narrow; elevated occ. to a	bearded variety, thin straw wall
SWALLOW (very short)	medium to strong	medium	parallel	medium	slightly rough	2+	length long; moderately curved	narrow; straight to elevated	moderate to strongly curved lower lemma beak, thin straw wall
SY INSITOR (medium)	medium to strong	lax to medium	parallel	medium	smooth	3+		narrow to medium; straight to elevated	Internal hair strong to whole surface. Lower lemma beak curvature strong to geniculate, thin straw wall
THEODORE (very short to short)	absent to very weak	dense	parallel	medium	smooth	1+	length medium; strongly curved	narrow; elevated	geniculate lower lemma beak, thin straw wall.
VISCOUNT (very short to short)	medium	dense	parallel	medium	slightly rough	1+	length medium; curvature medium	width medium; elevated	moderately curved lower lemma beak, thin straw wall. Not recommended
ZULU (medium)	medium	medium	parallel	medium	smooth	3	medium length; curvature slight	narrow; elevated	slightly curved lower lemma beak, thin straw wall. Not recommended

Spring Wheat

GRANARY (short to medium)	medium	medium	parallel	medium	smooth	3	length short to medium; curvature weak	narrow to medium; straight to slightly sloping	Not recommended; straw wall thick; slightly curved lower lemma beak
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HEXHAM (long)	medium to strong	lax	parallel	medium to long	smooth	3	length medium; slight to moderately curved	narrow; elevated	slightly curved lower lemma beak, thin straw wall
KWS ALDERON (short)	strong to very strong	lax	parallel	short	smooth	3	short; slight to moderately curved	narrow; straight	straw wall intermediate ; slightly curved lower lemma beak. Not recommended
KWS CHILHAM (medium to long)	medium to strong	lax	tapering	medium	smooth	3	length short to medium; curvature slight to moderate	narrow to medium; elevated	moderately curved lower lemma beak, thin straw wall
KWS COCHISE (very long)	medium to strong	lax	tapering	medium	smooth	3	length short to medium; curvature slight	medium; elevated	slight to moderately curved lower lemma beak, thin straw wall
KWS GIRAFFE (medium to long)	strong to very strong	lax to medium	tapering	medium to long	smooth	3+	length short to medium; very slightly curved	narrow to medium; straight	straight to slightly curved lower lemma beak, thin straw wall
KWS KILBURN (medium)	medium to strong	very lax to lax	tapering	medium	smooth	3	short to medium; curvature slight	narrow to medium; elevated	apical scurs very long, thin straw wall
KWS TALISKER (long to very long)	medium to strong	lax	tapering	medium	smooth	2	length medium to long; slight to moderately curved	narrow; elevated	slight to moderately curved lower lemma beak, thin straw wall
KWS WILLOW (medium)	medium to strong	lax to medium	tapering	medium	smooth	3	length short; curvature weak to medium	narrow; straight to slightly sloping	Not recommended ; strongly curved lower lemma beak, thin straw wall



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MULIKA (short to medium)	weak to medium	medium	parallel	medium	smooth	3	medium; moderately curved	narrow to medium; straight to elevated	apical scurs medium, straw wall thickness intermediate
SHACKLETON (short to medium)	strong	lax to medium	tapering	medium	smooth	3+	length short; slightly curved	narrow; straight to elevated	Not recommended; intermediate straw wall thickness; slightly curved lower lemma beak
WPB ESCAPE (medium)	medium to strong	lax to medium	tapering	medium to long	smooth	3+ whole surface	length medium; curvature slight	narrow; elevated	slightly curved lower lemma beak, thin straw wall. Not recommended