Ear

glaucosity

**CEREAL CROP INSPECTORS GUIDE TO BARLEY FIELD CHARACTERS 2024** 

Ear

pigment

Rachilla

hair type

Sterile

spikelet

attitude

Ear

density

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VARIETY and plant

height

SIX ROW VARIETIE	S										
BAZOOKA (HY) (medium to long)	medium	medium	very weak to weak	long	n/a	strong	present	length short to medium; curvature weak	platform	weak blue	Hybrid
BELFRY (HY) (medium)	weak to medium	medium	absent or very weak	long	n/a	strong to very strong	present	short to medium; curvature weak	platform to shallow cup	weak blue	Hybrid
<b>BELMONT (HY)</b> (medium)	medium	medium	mixed	long	n/a	strong to very strong	present	medium length; curvature weak	platform to shallow cup	50:50 blue, white segregation	Hybrid 50:50 segregation for pigment of lemma nerves and aleurone colour
<b>FUNKY</b> (short)	strong	dense	absent to very weak	long	n/a	strong to very strong	present	short; curvature medium to strong	decurrent to platform	white	ventral furrow hair can be difficult to see
KWS ASTAIRE (medium)	medium to strong	medium	absent to very weak	long	n/a	medium	absent	medium to long; curvature medium to strong	no data	blue	
KWS FEERIS (short to medium)	strong	dense	weak	long	n/a	strong to very strong	present	short; curvature weak	decurrent to platform	white	
KWS MERIDIAN (medium to long)	medium to strong	medium	absent to very weak	long	n/a	strong to very strong	absent	medium; curvature strong	platform	white	



Ventral

furrow hair

Spicules on

nerves

inner lateral

#### 2024 BARLEY

Other

features

Aleurone

colour

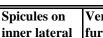
Collar

First rachis

segment



VARIETY and plant height	Ear glaucosity	Ear density	Ear pigment	Rachilla hair type	Sterile spikelet attitude	Spicules on inner lateral nerves	Ventral furrow hair	First rachis segment	Collar	Aleurone colour	Other features
SY BARACOODA								<u> </u>		50:50 blue,	
(HY)		medium to				strong to very		medium;		white	
(long)	medium	dense	medium	long	n/a	strong	present		decurrent	segregation	Hybrid
SY BUZZARD (HY)		medium to	absent to	0			1	medium; curvature	decurrent to		Awn length
(long to very long)	medium	dense	very weak	long	n/a	very strong	absent	very weak	platform	white	equal to ear
SY CANYON (HY) (long)	medium	medium to dense	very weak to weak	long	n/a	strong to very strong	present	medium; curvature weak to medium	platform to shallow cup	white	Hybrid
<b>SY KINGSBARN (HY)</b> (medium to tall)	medium	medium to dense	weak	long	n/a	strong to very strong	present	,	decurrent to platform	50:50 blue, white segregation	Hybrid
<b>SY KINGSTON (HY)</b> (medium to long)	weak to medium	medium	medium	long	n/a	strong to very strong	present	short; curvature weak to medium	shallow cup	white	Hybrid
SY NEPHIN (HY) (long)	medium	dense	absent to very weak	long	n/a	strong to very strong	present	short to medium; curvature weak	shallow cup	blue	Awn length equal to slightly longer than ear
SY THUNDERBOLT (HY)			medium to	1	,	strong to very		medium; curvature weak to		1.	
(medium to long)	medium	medium	strong	long	n/a	strong	present	medium	decurrent	white	Hybrid



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VARIETY and plant	Ear	Ear	Ear	Rachilla	Sterile	Spicules on	Ventral	First rachis	Collar	Aleurone	Other
height	glaucosity	density	pigment	hair type	spikelet	inner lateral	furrow hair	segment		colour	features
					attitude	nerves					
TWO ROW WINTER	VARIETIES										
								medium;			
BOLIVIA						absent or very		curvature weak to			
(short to medium)	weak	medium	strong	long	deficiens	weak	absent	medium	shallow cup	white	
BOLTON		lax to	absent to			absent or very		medium;			
(very short)	weak	medium	very weak	long	deficiens	weak	absent	curvature strong	cup	white	
BORDEAUX	medium to					absent or very		medium; curvature			
( medium)	strong	lax	Strong	long	deficiens	weak	present	strong	cup	white	
							-	medium;	_		
BUCCANEER	weak to					strong to very		curvature medium	decurrent to		
(medium)	medium	medium	weak	long	deficiens	strong	absent	to strong	platform	white	
CALIFORNIA			absent to			absent to very		length long;			Palea apex
(short to medium)	medium	medium	very weak	long	deficiens	weak	absent	curvature medium	cup	white	square
								short to medium;			
CASSATA		medium to						curvature weak to			
(short to medium)	medium	dense	weak	long	parallel	strong	absent	medium	platform	white	
CRAFT								medium;			
(short)	medium	medium	strong	long	deficiens	strong	absent	curvature strong	shallow cup	white	
								length medium;			
ELECTRUM			weak to					curvature medium	platform to		
(short to medium)	medium	medium	medium	long	deficiens	strong	absent	to strong	shallow cup	white	
								medium;			
FAY	medium to	lax to	weak to			medium to		curvature medium			
(short)	strong	medium	medium	long	parallel	strong	absent	to strong	shallow cup to cup	white	
FLAGON	weak to	lax to	absent to					medium;			
(medium to long)	medium	medium		long	divergent	weak	absent	curvature medium	cup	white	



#### VARIETY and plant Rachilla Sterile Ventral First rachis Collar Ear Ear Ear Spicules on Aleurone Other pigment furrow hair colour features height glaucosity density hair type spikelet inner lateral segment attitude nerves JORDAN absent to weak to very lax to weak to medium to long; shallow cup (short to medium) medium lax very weak deficiens medium absent curvature strong white long length short; KWS CASSIA platform to Short rachilla weak to absent to absent to very curvature weak to length (short to medium) medium lax very weak long deficiens weak present medium shallow cup blue KWS CRESWELL weak to medium to long; absent to (short) weak lax very weak long deficiens medium absent curvature strong white cup KWS GIMLET weak to very lax to absent to long; very weak to (medium) medium lax very weak deficiens weak absent curvature strong shallow cup white long **KWS GLACIER** medium to length medium; platform to absent to absent to very (short to medium) very weak deficiens weak curvature medium shallow cup blue strong lax long present medium to long; KWS HAWKING weak to very weak very weak to curvature medium (short to medium) medium to weak deficiens absent shallow cup to cup white weak to strong lax long **KWS INFINITY** very lax to absent to weak to very weak to medium; (short to medium) medium very weak long deficiens curvature medium white lax weak absent cup Awn length KWS ORWELL absent or absent to very shorter than long; (verv short to short) weak lax verv weak long deficiens weak absent curvature medium shallow cup to cup white ear medium: KWS PATRIOT very weak very weak to curvature medium (short to medium) medium medium to weak long deficiens weak absent to strong shallow cup white medium: KWS TARDIS curvature medium lax to absent to strong to very (no height data) medium medium verv weak short deficiens strong decurrent white present to strong

VARIETY and plant height	Ear glaucosity	Ear density	Ear pigment	Rachilla hair type	Sterile spikelet attitude	Spicules on inner lateral nerves	Ventral furrow hair	First rachis segment	Collar	Aleurone colour	Other features
KWS TOWER (short to medium)	weak	lax	absent to very weak	long	deficiens	weak to medium	absent	long; curvature strong	shallow cup to cup	white	Palea apex clearly notched
LG CAPITOL (short to medium)	medium	medium to dense	absent to very weak	long	deficiens	very weak to weak	present	medium; curvature medium	shallow cup	white	Awn length short to medium compared to ear
LG CARAVELLE (short to medium)	medium to strong	medium to dense	absent to very weak	long	deficiens	absent to very weak	present	short to medium; curvature weak to medium	shallow cup	white	
LG DAZZLE (short)	medium	lax	absent to	long	deficiens	absent or very weak	absent	medium to long; curvature strong to very strong	shallow cup to cup	blue	Awn length shorter than ear
LG FLYNN (short to medium)	weak to medium	lax	medium to strong	long	deficiens	medium	absent	medium to long; curvature medium to strong	platform	white	
LG MOUNTAIN (short)	medium	medium	absent to	long	deficiens	very weak to weak	present	medium; curvature medium to strong	decurrent to platform	blue	
LIGHTNING (short to medium)	weak to medium		absent to	long	deficiens	very weak to weak	absent	medium; curvature strong	platform to shallow cup	white	Awn length shorter than ear
MACKIE (short to medium)	weak	lax to medium	absent to very weak	long	deficiens	weak to medium	absent	medium to long; curvature strong	shallow cup	white	

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#### Rachilla Spicules on Ventral **First rachis** Collar VARIETY and plant Ear Ear Ear Sterile Aleurone Other glaucosity pigment spikelet inner lateral furrow hair colour features height density hair type segment attitude nerves MARIS OTTER absent to verv medium to long; (short) medium medium medium divergent weak absent weak to medium shallow cup white long PEARL (medium very weak medium: to long) strong medium to weak long divergent medium absent curvature medium shallow cup to cup blue short to medium: curvature medium SOBELL absent to lax to absent to very (no data) medium medium very weak deficiens weak absent no data white long to strong SURGE absent or very weak to medium; Palea apex (very short to short) deficiens platform weak blue pointed weak lax very weak long weak absent curvature strong length medium; SY VENTURE Bent back' first curvature medium medium deficiens shallow cup (short) medium very strong long absent to strong white rachis. strong medium to long; TALISMAN weak to curvature medium Awns shorter (short to medium) deficiens absent than ear medium lax strong long weak to strong no data white Sterile spikelets can look parallel to medium; VALERIE curvature medium platform to weakly absent to absent or very shallow cup (short to medium) medium medium long parallel absent white divergent very weak weak to strong ZOPHIA medium to medium to medium: (no data) dense medium curvature medium shallow cup white strong long no data strong absent



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VARIETY and plant height	Ear glaucosity	Ear density	Ear pigment	Rachilla hair type	Sterile spikelet attitude	Spicules on inner lateral nerves	Ventral furrow hair	First rachis segment	Collar	Aleurone colour	Other features
TWO ROW SPRING V	VARIETIES	<u> </u>			1			<u> </u>	[		
<b>BELTER</b> (short to medium)	medium to strong	medium	medium to strong	short	deficiens	absent to very weak	absent	medium to long; curvature very weak	platform to shallow cup	white	Awns longer than ear
BOUNTY (medium)	medium to strong	lax to medium	medium to strong	short	deficiens	absent to very weak	absent	medium to long; curvature very weak	platform	white	Awn length equal to or longer than the ear
CADIZ (long)	medium to strong	lax to medium	medium	short	deficiens	absent or very weak	absent	medium to long; curvature weak	platform to shallow cup	white	
<b>CB SCORE</b> (medium to long)	medium	lax	strong	short	deficiens	absent to very weak	absent	medium; curvature very weak	platform to shallow cup	white	
CONCERTO (short)	medium	medium	very weak to weak	short	divergent	very weak to weak	absent	length medium; curvature medium	platform to shallow cup	weak blue	
COSMOPOLITAN (no height data)	medium to strong	medium	medium to strong	long	deficiens	absent to very weak	absent	short to medium; curvature medium	cup collar	white	
<b>DIVINER</b> (short to medium)	medium to strong	medium to dense	medium	short	deficiens	absent to very weak	absent	short to medium; curvature weak	platform to shallow cup	white	
FAIRING (short)	medium	lax	medium to strong	long	divergent	absent to very weak	absent	medium to long; curvature medium to strong	platform	white	
FAIRWAY (medium)	medium to strong	lax to medium	strong	short	deficiens	absent or very weak	absent	medium; curvature medium	shallow cup	white	





VARIETY and plant height	Ear glaucosity	Ear density	Ear pigment	Rachilla hair type	Sterile spikelet attitude	Spicules on inner lateral nerves	Ventral furrow hair	First rachis segment	Collar	Aleurone colour	Other features
FIREFOXX (medium to long)	medium to strong	very lax to lax	weak to medium	short	deficiens	absent or very weak	absent	long; curvature medium to strong	platform to shallow cup	white	
FLORENCE (very short to short)	strong	medium	medium	short	deficiens	absent to very weak	absent	short to medium; very weak	platform	white	
GOLDEN PROMISE (medium)	strong	lax to medium	weak to medium	long	divergent	absent to very weak	absent	medium to long; curvature very weak	platform to shallow cup	white	Has bib lodicules
HACKER (short to medium)	medium	medium	medium	short	divergent	absent to very weak	absent	short to medium; curvature weak to medium	cup collar	white	
HURLER (short to medium)	medium	medium	medium	short	deficiens	absent to very weak	absent	medium; curvature weak	platform to shallow cup	white	
ICONIC (long)	medium to strong	lax to medium	weak to medium	short	deficiens	absent or very weak	absent	short to medium; curvature medium to strong	platform	white	
JENSEN (short to medium)	medium	medium to dense	medium	short	deficiens	absent or very weak	absent	long; curvature very weak	platform to shallow cup	white	
KWS CURTIS (medium)	medium to strong	medium to dense	very weak to weak	short	deficiens	absent or very weak	absent	medium; curvature weak	platform to shallow cup	white	
KWS SASSY (short to medium)	medium to strong	medium	very weak to weak	long	divergent	absent to very weak	absent	curvature weak	platform to shallow cup	white	
LAUREATE (short)	medium to strong	medium	medium	short	deficiens	absent to very weak	absent	-	platform to shallow cup	white	Long rachil length



#### Rachilla Ventral VARIETY and plant Collar Ear Ear Ear Sterile Spicules on First rachis Aleurone Other colour height glaucosity density pigment hair type spikelet inner lateral furrow hair segment features attitude nerves LG AQUARIUS medium to medium; platform to Awns longer absent or very (short to medium) strong medium strong short deficiens weak absent curvature very weak shallow cup white than ear length medium; LG DIABLO medium to lax to weak to absent to very curvature weak to platform to medium medium (medium) medium short deficiens weak absent shallow cup white strong MALVERN medium; weak to absent or verv (medium) medium medium medium deficiens weak white long absent curvature weak shallow cup Awns equal to or longer than NOS GAMBIT absent to very medium to long; platform to (medium) medium deificiens curvature very weak shallow cup white the ear medium medium long weak absent Awns equal to NOS MUNRO medium to medium; platform to or longer than medium to absent to very (short to medium) dense medium short deificiens weak absent curvature very weak shallow cup white the ear strong Awns equal to medium to long; OLSEN curvature weak to platform to or longer than medium to medium to absent to very (short to medium) medium deificiens medium shallow cup white the ear short weak absent strong strong length short to medium; PROPINO weak to absent to very medium white (medium) medium medium short divergent weak absent curvature weak platform short: PROSPECT curvature weak to absent or verv absent (medium) strong medium medium short deficiens weak medium platform white length medium to RGT ASTEROID medium to lax to medium to long; curvature platform to absent to very medium deficiens shallow cup white (medium to long) strong strong short weak absent weak



VARIETY and plant height	Ear glaucosity	Ear density	Ear pigment	Rachilla hair type	Sterile spikelet attitude	Spicules on inner lateral nerves	Ventral furrow hair	First rachis segment	Collar	Aleurone colour	Other features
RGT PLANET (medium)	medium to strong	lax to medium	strong	short	deficiens	absent to very weak	absent	length short to medium; curvature weak	platform	white	
SIENNA (short to medium)	medium	medium	weak	short	divergent	absent to very weak	absent	length medium; curvature weak	platform to shallow cup	white	
SKYWAY (medium to long)	medium to strong	lax	weak to medium	short	deficiens	absent or very weak	absent		decurrent	white	
SPINNER (medium)	medium	medium to dense	strong	short	deficiens	absent or very weak	absent	medium; curvature medium to strong	platform to shallow cup	white	
SUN KING (medium)	medium to strong	medium to dense	medium to strong	short	deficiens	absent or very weak	absent	short to medium; curvature very weak	platform	white	
SY SIGNET (short to medium)	medium to strong	medium	medium	short	deficiens	absent or very weak	absent	medium to long; curvature weak	platform to shallow cup	white	
SY SPLENDOR (medium)	medium to strong	lax	medium	short	deficiens	absent or very weak	absent	medium to long; curvature medium	platform to shallow cup	white	
SY TENNYSON (short to medium)	medium to strong	medium	medium	short	deficiens	absent or very weak	absent	medium; curvature weak	platform	white	Awn length longer than ea
SY TUNGSTEN (medium)	strong	very lax to lax	medium	long	deficiens	absent or very weak	absent	medium to long; curvature medium	platform	white	