

SHEATH HAIRS ABSENT**2-ROW, HORDEUM DEFICIENS, RACHILLA HAIRS LONG & STRAIGHT, GLABRUM**

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
CALIFORNIA	Absent	Medium	Long to very long Moderate curvature Hairs sparse	ILNS absent or present 1 - 2 per grain OLNS moderate Rachilla medium

SHEATH HAIRS PRESENT**2-ROW, HORDEUM DEFICIENS, RACHILLA HAIRS LONG & STRAIGHT, GLABRUM**

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
KWS INFINITY	Absent	Medium	Medium Moderate curvature Hairs moderate	ILNS present 1 - 3 per grain OLNS numerous Rachilla medium
KWS ORWELL	Absent to very weak	Weak	Long Moderate curvature Hairs numerous	ILNS present 3 - 6 per grain OLNS numerous Rachilla medium
KWS TOWER	Absent	Weak	Long Strong curvature Hairs sparse	ILNS present 3 - 6 per grain OLNS numerous Rachilla medium
SURGE (new 2017)	Absent	Weak to medium	Medium Strong curvature Hairs sparse	ILNS absent or present 1 - 2 per grain OLNS numerous Rachilla medium

SHEATH HAIRS PRESENT

2-ROW, HORDEUM DEFICIENS, RACHILLA HAIRS LONG & STRAIGHT, GLABRUM

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
FLORENTINE	Medium to strong	Absent to weak	Medium to long Moderate curvature Hairs sparse	ILNS absent or present 1 - 2 per grain OLNS numerous Rachilla medium
MATROS	Very strong	Medium	Long Slight to moderate curvature Hairs sparse	ILNS absent OLNS moderate to numerous Rachilla medium to long
TALISMAN	Strong	Medium to weak	Long Moderate to strong curvature Hairs sparse	ILNS present 1 - 4 per grain OLNS numerous Rachilla medium
CRAFT (new 2017)	Strong	Medium to strong	Medium Strong curvature Hairs moderate	ILNS present > 10 per grain OLNS numerous Rachills short to medium

SHEATH HAIRS PRESENT**2-ROW, HORDEUM DEFICIENS, RACHILLA HAIRS LONG & STRAIGHT, GLABRUM**

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
RETRIEVER	Very strong	Medium	Medium to long Slight curvature Hairs moderate	ILNS present > 10 per grain OLNS numerous, rachilla medium 2nd rachis segment prominent
SY VENTURE	Very strong	Medium	Medium to long Strong curvature Hairs sparse	ILNS present > 10 per grain OLNS numerous, rachilla short 2nd rachis segment prominent

SHEATH HAIRS PRESENT**2-ROW, HORDEUM DEFICIENS, RACHILLA HAIRS LONG & STRAIGHT, PILOSE**

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
KWS CASSIA	Absent	Weak to medium	Short Slight curvature Hairs numerous	ILNS absent OLNS numerous Rachilla short
KWS GLACIER	Absent	Medium to strong	Medium to long Moderate to slight curvature Hairs sparse	ILNS absent or present 1 - 2 per grain OLNS numerous Rachilla medium to short

SHEATH HAIRS PRESENT	2-ROW, RACHILLA HAIRS LONG & STRAIGHT
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VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
CAVALIER	Strong	Weak to medium	Medium Moderate curvature Hairs moderate	Sterile spikelet glume + awn length long Sterile palea medium. Pilose ILNS absent.
HARLEQUIN	Absent to very weak	Weak to medium	Medium Moderate curvature Hairs sparse to moderate	Sterile spikelet glume + awn length medium to long Sterile palea medium. Pilose ILNS absent or present 1 - 2 per grain
FLAGON	Absent	Medium to weak	Medium to short Slight curvature Hairs numerous	Sterile spikelet glume + awn length medium to long Sterile palea medium. Glabrum ILNS absent or present 1 - 2 per grain
PEARL (late maturing)	Medium to weak	Medium	Medium Moderate curvature Hairs numerous	Sterile spikelet glume + awn medium to long Sterile palea medium to short. Glabrum ILNS present 3 - 8 per grain
CASSATA	Medium to weak	Medium	Medium to short Slight to moderate curvature Hairs moderate	Sterile spikelet glume + awn length long Sterile palea short. 2nd rachis segment prominent. Glabrum ILNS present > 10 per grain

SHEATH HAIRS PRESENT

6-ROW, RACHILLA HAIRS LONG & STRAIGHT, PILOSE**ILNS PRESENT > 10 PER GRAIN**

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
DAXOR	Absent	Medium to strong	Medium Slight curvature Hairs sparse	Median spikelet glume + awn c.f. grain equal Rachilla medium to short OLNS numerous

SHEATH HAIRS PRESENT

6-ROW, RACHILLA HAIRS LONG & STRAIGHT, GLABRUM**ILNS PRESENT > 5 PER GRAIN**

VARIETY NAME	EAR PIGMENT	EAR GLAUCOSITY	FEATURES OF FIRST RACHIS SEGMENT	OTHER FEATURES
KWS MERIDIAN	Absent	Medium to strong	Medium Strong curvature Hairs absent to sparse	Median spikelet glume + awn c.f. grain longer Decurrent collar, rachilla medium ILNS present > 10 per grain
VERITY (new 2017)	Absent	Medium to strong	Long Straight to slight curvature Hairs numerous	Median spikelet glume + awn c.f. grain longer Shallow cup to decurrent collar, rachilla short ILNS present > 10 per grain

BARLEY KEY ABBREVIATIONS

FRS	- First Rachis Segment
ILNS	- Inner Lateral Nerve Spicules
L & S	- Long and Straight rachilla hairs
Occ.	- Occasional
OLNS	- Outer Lateral Nerve Spicules
S & W	- Short and Woolly rachilla hairs