

CEREAL CROP INSPECTORS GUIDE TO OAT FIELD CHARACTERS 2024

Lower leaf sheath hairs	U	Upper culm node hair	Three	Glume glaucosity	Primary grain			Other features
			grained spikelets+	6	Awns+	Lemma glaucosity	Basal Grain hairs	

WINTER OATS

HUSKLESS (Naked)

FUSION (short)	medium	medium	5-6 grains per spikelet typical (occ. More)	absent to very weak	absent or very weak	and papery; kernel (caryopsis) threshes free of lemma and palea at maturity; rachilla long , semi-dwarf, short stem
GRAFTON (short to medium)	medium	medium	5-6 grains per spikelet typical (occ. More)	very weak	weak	lemma and palea resemble glumes in being soft and papery; kernel (caryopsis) threshes free of lemma and palea at maturity; rachilla short
PELOTON (medium)	medium	absent to very weak	1		weak to medium	lemma and palea resemble glumes in being soft and papery; kernel (caryopsis) threshes free of lemma and palea at maturity; rachilla short

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Lower leaf sheath hairs	-	Upper culm node hair	Three	Glume glaucosity	Primary grain			Other features
			grained spikelets+		Awns+	Lemma glaucosity	Basal Grain hairs	

WINTER OATS

HUSKED

13/03/2024 V1

перше									
CROMWELL									
(very short to			Present			very weak to	absent or very	very weak to weak;	
short)	weak	weak	weak	No data	weak	weak	weak	short	
DALGUISE	weak to	weak to			medium to		absent or very	4-6 per side;	
(medium)	medium	medium	absent	absent to few	strong	weak	weak	short	
GERALD (short to medium)	medium	strong	absent	absent to very few	absent or very weak	weak	absent	4-6 per side; short-medium	late to very late panicle emergence; panicle usually medium to large
GRIFFIN (medium to tall)	very weak	very weak to weak	Present medium to strong	absent to rare	weak to medium	absent to very weak	absent or very weak	If present 1-3 per side; (variable) medium to long length	YELLOW GRAIN.
MASCANI			Present		weak to		absent or very		
(medium)	weak	weak	medium	absent or very few	medium	weak	weak	absent	YELLOW GRAIN.
PENROSE		weak to				occasional to			
(tall)	strong	medium	Present medium	rare to occasional	weak	few; weak	weak	absent or very weak	
RGT LINEOUT (short to medium)	strong	absent or very weak	absent	absent to rare	medium to strong	weak to medium	absent or very weak	medium	early to medium panicle emergence
RGT SOUTHWARK		very weak to			weak to		absent or very		
(medium)	weak	weak	Present weak	absent to rare	medium	weak	weak	medium length	





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VARIETY Leaf margin Glume Primary grain Other features Lower leaf Upper culm node Three and plant height sheath hairs glaucosity hairs hair grained spikelets+ Awns+ Lemma Basal Grain hairs glaucosity VALENTINE weak weak to Present No data strong very weak to weak to strong; Upper culm node hair medium medium to long medium to strong, white (medium to long) medium weak medium to strong grain medium length rachilla

2024 OATS

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VARIETY	Lower leaf	Leaf margin	Upper culm node	Three	Glume	Primary grain			Other features
and plant heigh	sheath hairs	hairs	hair		glaucosity				
				grained spikelets+		Awns+	Lemma	Basal Grain hairs	
							glaucosity		

SPRING OATS

HUSKLESS (Naked)

KAMIL (no data)	absent or very weak	absent or very weak	absent	numerous	medium	No data	n/a	
LENNON (short to medium)	absent	very weak to weak	absent	numerous		absent to very weak	n/a	lemma and palea resemble glumes in being soft and papery; kernel (caryopsis) threshes free of lemma and palea at maturity
OLIVER (medium)		absent or very weak	absent	numerous	No data	absent to very weak	n/a	1 2
OVATION (medium to long)	medium to strong	medium	absent	numerous	weak to medium	absent or very weak	n/a	



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VARIETY	Lower leaf	Leaf margin hairs	Upper culm node	Three	Glume	Primary grain			Other features
and plant height	sheath hairs		hair	grained spikelets+	glaucosity	Awns+	Lemma glaucosity	Basal Grain hairs	
SPRING OATS									
HUSKED			1	1	1	1	1	1	1
ASPEN (short to medium)	absent	absent to very weak	absent	occasional	medium	very weak	absent or very weak	medium length	YELLOW GRAIN. glume length medium
ASTERION	absent to	absent or very	absent or very		medium to	weak to		weak to medium;	0 0
(medium to long)	weak	weak	weak	No data	strong	medium	weak	short to medium	Medium length rachilla
CALEDON (long)	absent to very weak	absent to very weak	absent or very weak	No data	strong	absent to low	medium to strong	absent or weak; short to medium	Yellow grain
CANYON		absent to very				absent or very			YELLOW GRAIN.
(medium to tall)	absent	weak	absent	rare, occasional	weak	weak	very weak	short	glume length medium
CONWAY (medium)	weak	medium	absent	occasional	weak to medium	weak to medium	absent or very weak	absent to very weak; medium	
DELFIN (no data)	absent or very weak	absent or very weak	absent	rare, occasional	No data	absent or very weak	very weak to weak	abundance weak; short to medium length	YELLOW GRAIN
ELISON (medium)	absent	absent to very weak	absent	rare, occasional	absent or very weak	absent or very weak	absent or very weak	very weak to weak; very to short length	YELLOW GRAIN
FIRTH		very weak to			weak to	absent or very			
(medium to long)	weak	weak	absent	absent to few	medium	weak	absent	short	
LION (medium to long)	absent or very weak	absent or very weak	absent	No data	strong	very weak to weak	weak	very short length	

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VARIETY Upper culm node Three Glume Primary grain Lower leaf Other features Leaf margin and plant height sheath hairs hairs hair glaucosity grained spikelets+ Basal Grain hairs Awns+ Lemma glaucosity very weak to weak; MERLIN (short absent to very medium to short to medium absent weak No data length to medium) absent strong weak weak RGT VAUGHAN weak to absent or very absent or very weak to medium; (medium to long) medium No data weak medium length weak absent very weak weak WPB ELYANN absent to very absent or very weak to (short to medium) absent weak medium medium length absent rare, occasional weak weak absent to rare; if present 1-2 per WPB ISABEL absent or very short to side, short length medium (tall) weak weak absent rare, occasional weak weak rare to absent or very absent or very weak; YUKON absent or very absent to very occasional to occasional; (medium to tall) weak to med short length YELLOW GRAIN weak weak absent numerous strong weak

 \dagger The presence of three grained spikelets and awns is dependent on the growing season

NOTE: the following characters are often shown by SPRING varieties; Spikelets often three-grained - in apex at least, basal hair often sparse

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