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2024 OATS

CEREAL CROP INSPECTORS GUIDE TO OAT FIELD CHARACTERS 2024

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

WINTER OATS

HUSKLESS (Naked)

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

HUSKED

CROMWELL (very short to short)	weak	weak	Present weak	No data	weak	very weak to weak	absent or very weak	very weak to weak; short	
DALGUISE (medium)	weak to medium	weak to medium	absent	absent to few	medium to strong	weak	absent or very weak	4-6 per side; 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 to strong	medium 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 (medium)	weak	weak	Present medium	absent or very few	weak to medium	weak	absent or very weak	absent	YELLOW GRAIN.
PENROSE (tall)	strong	weak to medium	Present medium	rare to occasional	weak	occasional to 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 (medium)	weak	very weak to weak	Present weak	absent to rare	weak to medium	weak	absent or very weak	medium length	



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VALENTINE (medium to long)	weak	weak to medium	Present medium to strong	No data	strong	very weak to weak	weak to medium	strong; medium to long	Upper culm node hair medium to strong, white grain medium length rachilla



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SPRING OATS

HUSKLESS (Naked)

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



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SPRING OATS

HUSKED

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 (medium to long)	absent to weak	absent or very weak	absent or very weak	No data	medium to strong	weak to medium	weak	weak to medium; 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 (medium to tall)	absent	absent to very weak	absent	rare, occasional	weak	absent or very weak	very weak	short	YELLOW GRAIN. 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 (medium to long)	weak	very weak to weak	absent	absent to few	weak to medium	absent or very 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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MERLIN (short to medium)	absent	absent to very weak	absent	No data	medium to strong	weak	weak	very weak to weak; short to medium length	
RGT VAUGHAN (medium to long)	weak	weak to medium	absent	No data	very weak	absent or very weak	absent or very weak	weak to medium; medium length	
WPB ELYANN (short to medium)	absent	absent to very weak	absent	rare, occasional	weak	absent or very weak	weak to medium	medium length	
WPB ISABEL (tall)	weak	weak	absent	rare, occasional	weak	absent or very weak	short to medium	absent to rare; if present 1-2 per side, short length	
YUKON (medium to tall)	absent or very weak	absent to very weak	absent	occasional to numerous	strong	rare to occasional; weak to med	absent or very weak	absent or very weak; short length	YELLOW GRAIN

† 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