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2022 OATS

CEREAL CROP INSPECTORS GUIDE TO OAT FIELD CHARACTERS 2022

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)

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



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WINTER OATS

HUSKED

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



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SPRING OATS

HUSKLESS (Naked)

<b>KAMIL</b> (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
<b>LENNON</b> (short to medium)	absent	very weak to weak	absent	numerous	weak to medium	absent to very weak	n/a	
<b>OLIVER</b> (medium)	absent or very weak	absent or very weak	absent	numerous	No data	absent to very weak	n/a	



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SPRING OATS

HUSKED

<b>ASPEN</b> (short to medium)	absent	absent to very weak	absent	No data	medium	very weak	absent or very weak	medium length	YELLOW GRAIN. glume length medium
<b>CANYON</b> (medium to tall)	absent	absent to very weak	absent	No data	weak	absent or very weak	very weak	short	YELLOW GRAIN. glume length medium
<b>CONWAY</b> (medium)	weak	medium	absent	No data	weak to medium	weak to medium	absent or very weak	absent to very weak; medium	
<b>DELFIN</b> (no data)	absent or very weak	absent or very weak	No data	No data	No data	absent or very weak	No data	abundance weak; short to medium length	YELLOW GRAIN
<b>ELISON</b> (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
<b>FIRTH</b> (medium to long)	weak	very weak to weak	absent	absent to few	weak to medium	absent or very weak	absent	short	
<b>LION</b> (medium to long)	absent or very weak	absent or very weak	absent	No data	strong	very weak to weak	weak	very short length	
<b>MERLIN</b> (short to medium)	<b>absent</b>	absent to very weak	absent	No data	medium to strong	weak	weak	very weak to weak; short to medium length	



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<b>RGT VAUGHAN</b> (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	
<b>WPB ELYANN</b> (short to medium)	absent	absent to very weak	absent	No data	weak	absent or very weak	weak to medium	medium length	
<b>WPB ISABEL</b> (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	
<b>YUKON</b> (medium to tall)	absent or very weak	absent to very weak	absent	No data	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