



OATS STANDARDS 2020-2021

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THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

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GrainCorp

These standards are to be applied on individual truck loads and must not be averaged over a number of loads
Segregations indicated on this chart are only available where announced

Test Code	Binned Grade	MOAT	GSF
VARP	Varietal Purity minimum (% by count)	95	No Limit
MOGR	Moisture maximum (%)	12.5	12.5
TWT	Test Weight minimum (kg/hl)	51.0	48.0
SCRN	Unmillable Material Below The Screen maximum (% by weight) Material passing through a 2.0mm slotted screen after 40 shakes	10	20
UNM	Unmillable Material Above The Screen maximum (% by weight) Includes whiteheads (with grains removed), chaff, backbone, Wild Radish pods, Milk Thistle pods and pieces of seedpods (maximum % by weight).	No Limit	No Limit

Defective Grains – Maximum tolerance as per method specified. Note: **NIL** tolerance applies to the entire load.

Defective definitions are to be read in conjunction with the photo in the Visual Recognition Standards Guide which depicts the minimum standard for a grain to be classified as defective.

DAMS	Damaged Grains maximum (% by count per 200 grain sample)	2% (4 grains)	No Limit
STAN	Total Stained Grains maximum (% by count per 200 grain sample) (Includes Septoria)	5% (10 grains)	20% (40 grains)
STAK	Total Stained Groats maximum (% by count per 200 grain sample) (Includes Septoria)	NIL	20% (40 grains)
GREE	Dry Green or Sappy maximum (% by count per 200 grain sample)	5% (10 grains)	No Limit
FTDG	Frost Damaged / Takeall Affected maximum (% by count per 200 grain sample)	1% (2 grains)	20% (40 grains)
DAMI	Insect Damaged maximum (% by count per 200 grain sample)	1% (2 grains)	5% (10 grains)
SPRE	Shot maximum (% by count per 200 grain sample)	NIL	No Limit
SPRO	Sprouted maximum (% by count per 200 grain sample)	NIL	NIL
FFUN	Field Fungi maximum (count per half litre)	10	30
SEVE	Severely Damaged (count per half litre)	NIL	1

Foreign Seed Contaminants – Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total of all seeds named in each type per half litre. Except TYPE(1) in which the maximum applies on an individual seed basis per half litre.

WS1	TYPE(1): Colocynthis, Jute, Long Headed Poppy, Mexican Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed*** (QLD only)	5*	5*
WS2	TYPE(2): Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Double Gee/Spiny Emex/Three Cornered Jack**, Opium Poppy, Peanut seeds or pods, Parthenium Weed*** (NSW/VIC/SA), Ragweed, Rattlepods, Starburr, St. John's Wort	NIL	NIL
WS3A	TYPE(3a): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple/False Castor Oil	NIL	NIL
WS3B	TYPE(3b): Vetch (Commercial), Vetch (Tare)	4	4
WS3C	TYPE(3c): Heliotrope (Blue), Heliotrope (Common) ****Note: included in this Type are tolerances for seeds or pods.	1 Pods / 4 Seeds	1 Pods / 4 Seeds
WS4	TYPE(4): Bindweed (Field), Cutleaf Mignonette seeds or pods, Darnel, Hexham Scent/King Island Melilot****, Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle	10	10
WS5	TYPE(5): Knapweed (Creeping/Russian), Patterson's Curse/Salvation Jane, Sesbania pea	40	40
WS6	TYPE(6): Saffron Thistle	5	10
WS7A	TYPE(7a): Adzuki Beans, Broad Beans, Chickpeas, Colombus Grass, Corn (Maize), Cowpea, Faba Beans, Johnson Grass, Lentils, Lupin, Medic Pods, Peas (Field), Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter.	1	20
WS7B	TYPE(7b): Barley, Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Wheat, Durum, Oats (Sand), Rice, Rye (Cereal), Ryegrass on Stalk, Sorghum (Forage), Sorghum (Grain), Triticale, Turnip Weed Pods and any other weed seeds not specified in TYPES 1-7(a), TYPE 8 or SFS	50	250
WS8	TYPE(8): Oats (Black or Wild)*	20	100
SFS	Small Foreign Seeds maximum (% by weight) All foreign seeds not specified in Types 1-7(b) that fall below the 2.0mm screen during the Screenings process.	0.5%	3%

* Individual seed basis ** Doublegees/Spiny Emex/Three Cornered Jack is a **NIL** tolerance in MOAT *** Parthenium Weed is a **NIL** tolerance in NSW/VIC/SA
**** Heliotrope pods must be opened and the seeds counted ***** Hexham Scent is only acceptable if no tainting odour is present

Other Contaminants – Maximum tolerance as per method specified. Note: **NIL** tolerance applies to the entire load.

SMUT	Smuts/Cereal Ergots maximum (entire load) Includes: Ball and gall smut, other smut species, cereal ergots.	NIL	NIL
ERGR	Ergot of Ryegrass maximum (length in cm when pieces are aligned per half litre)	2cm	2cm
LIVE	Stored Grain Insects and Pea Weevils: Live maximum (entire load)	NIL	NIL
INLG	Field Insects – Large, dead or alive (count per half litre) Includes: Desiantha Weevil, Pea Weevil (dead only), Sitona Weevil, Rutherglen bugs, ladybirds, grasshoppers and wood bugs, whole or parts thereof. These are insect contaminants of grain that do not cause damage to stored grains.	3	3
INSM	Field Insects – Small, dead or alive (count per half litre) Includes: all species of aphid, minute mould beetle, mites & stored grain insects (dead only). These are insect contaminants of grain that do not cause damage to stored grains.	10	10
SNAL	Snails: Live or Dead maximum (count per half litre)	2	3
EART	Earth Maximum (count per half litre) Defined as a clod of dirt, being 5mm or less in diameter.	3	3
SAND	Sand maximum (count per half litre) Individual grains of sand.	50	50
STON	Stones maximum (g per 2.5L) Weight of all Stones retained above a 2.0mm screen per 2.5L.	4	4
OBJM	Objectionable Material maximum (entire load) Includes: Sticks/Stubble (>3cm in length and/or 1cm in diameter), glass, concrete, fertiliser or any other commercially unacceptable contaminant, smell or taste greater than the tolerance or specifications as allowed in these standards.	NIL	NIL
PICK	Pickling Compounds maximum (entire load)	NIL	NIL
MLD	Odour maximum (entire load) Grain which has any commercially objectionable foreign odour due to tainting agents or improper storage causing mould, souring or musty odours.	NIL	NIL
CHEM	Chemicals Not Approved for Oats maximum (entire load) Residues of any chemical compound not approved for Oats, used in contravention of the labelled instructions or chemicals in excess of the Australian MRL.	NIL	NIL
OFM	Other Foreign Material maximum (% by weight per half litre) Includes but not limited to: fine material (soil, dust, minerals), pieces of snail shell (< half), pieces of stored grain insects, and other non-vegetative material not listed.	0.1	0.1