



GrainCorp

DURUM STANDARDS 2018-2019

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THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

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Varietal Restrictions

Varietal restrictions apply to the grades on this chart. A variety must not be binned above its maximum allowable varietal classification. Durum varieties failing to meet the standards for DR1, DR2 or DR3 must not be binned above FED1.

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	DR1	DR2	DR3
MOGR	Moisture Maximum (%)	12.5	12.5	12.5
PRGR	Protein Minimum (%)	13.0	11.5	10.0
TWT	Test Weight Minimum (kg/hl)	76	76	71
SCRN	Screenings (Unmillable Material Below the Screen) Maximum (% by weight) Material passing through a 2mm slotted screen after 40 shakes	5.0	5.0	10.0
UNM	Unmillable Material Above the Screen Maximum (% by weight) This consists of whiteheads (with grains removed), chaff, backbone, Wild Radish pods, Milk Thistle pods, Skeleton Weed Flowers (Seed Heads), other seedpods and other light material which remains above the 2.00mm screen after a sample of grain is subjected to the screening process. It excludes contaminants for which tolerances have been stated in these Standards.	0.6	0.6	1.2
HVK	Vitreous Kernels Minimum (% by count per 300 Grain Sample)	80%	70%	No Limit
Defective Grains – Maximum tolerance count per half litre unless otherwise stated. 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. Note: NIL tolerance applies to the entire load except where stated otherwise.				
FALL	Falling Number Minimum (seconds)	300	300	200
SPRO	Sprouted Maximum (% by count per 300 Grain Sample) Sprouted kernels are those in which the covering of the germ is split and any further advanced stage of growth to the extent of the germ having grown or shot. Note: The NIL tolerance for sprouted grains does not apply if a Falling Number analysis is conducted	NIL	NIL	NIL
STAN	Stained Maximum (% by count per 300 Grain Sample) Includes: Blackpoint, Blacktip, Staining due to Moist Plant Material	3% (9 grains)	5% (15 grains)	20% (60 grains)
PFUN	Pink Stained Maximum (% by count per 300 Grain Sample) Grains that are pink but also contain a white to grey fungal like discoloration over more than 50% of the seed coat surface are to be classified as "White Grain Disorder/Head Scab"	2% (6 grains)	2% (6 grains)	5% (15 grains)
WGDH	White Grain Disorder/Head Scab/Flaked Grain Maximum (% by count per 300 Grain Sample) Grains appear white to light grey but may also contain a pink discoloration. Grains are only to be classified as "White Grain Disorder / Head Scab" if the discoloration is over more than approximately 50% of the seed coat surface. If the discoloration is approximately 50% or less of the seed coat surface, grains may be classified as Sound.	1% (3 grains)	1% (3 grains)	1% (3 grains)
GREE	Dry Green or Sappy Maximum (% by count per 300 Grain Sample)	1% (3 grains)	2% (6 grains)	2% (6 grains)
DIST	Distorted (% by count per 300 Grain Sample)	1% (3 grains)	2% (6 grains)	2% (6 grains)
DAMI	Insect Damaged Maximum (% by count per 300 Grain Sample)	1% (3 grains)	1% (3 grains)	1% (3 grains)
ARTD	Over-Dried Damaged Maximum (% by count per 300 Grain Sample)	NIL	NIL	NIL
BRWT	Bread Wheat maximum (% by count per 300 Grain Sample)	3% (9 grains)	3% (9 grains)	5% (15 grains)
SMUT	All Smuts (except Loose Smut) Maximum (entire load) Includes: Ball Smut, Stinking Smut, Bunt, Covered Smut	NIL	NIL	NIL
SEVE	Severely Damaged (count per half litre) Heat Damaged or Burnt (Heat damaged or burnt refers to those kernels that have become severely discoloured. Affected grains appear reddish brown, dark brown or in severe cases, blackened). Mould (Affected grains appear discoloured and visibly affected by mould. Other Serious Visual Defects (Refer to those kernels that have become discoloured and / or have a serious visual defect that is not otherwise listed in these Standards. Affected grains may have a range of visual appearances). Does not include Field Fungi affected grains, refer to Field Fungi.	1	1	1
FFUN	Field Fungi Maximum (count per half litre) Field Fungi refers to individual kernels where more than half the seed coat is discoloured. The visible discoloration of affected grains can vary from dark grey, brown to black in colour. Grains that are approximately 50 percent or less discoloured are to be classified as Stained. Does not include Severely Damage.	10	10	10
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, Double Gees/Spiny Emex/Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, Opium Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed (QLD only)	8*	8*	8*
WS2	TYPE(2): Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Parthenium Weed (NSW/VIC/SA), Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort	NIL	NIL	NIL
WS3A	TYPE(3a): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	2	2	2
WS3B	TYPE(3b): Vetch (Tare), Vetch (Commercial)	4	4	4
WS3C	TYPE(3c): Heliotrope (Blue), Heliotrope (Common)	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds
WS4	TYPE(4): Bindweed (Field), Cutleaf Mignonette, Darnel (Drake Seed), Hexham Scent/Meliot (only acceptable if no tainting odour is present), Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20
WS5	TYPE(5): Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane	40	40	40
WS6	TYPE(6): Columbus Grass, Johnson Grass, Saffron Thistle	10	10	50
WS7A	TYPE(7a): Adzuki Beans, Broad Beans, Chickpeas, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Peas (Field), Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter. Includes Onion Weed Pods regardless of size	1	1	10
WS7B	TYPE(7b): Barley (2 & 6 row), Bindweed (Australian), Bindweed (Black), Bread wheat, Red/Spring Feed Wheats, Oats (Black/Wild), Oats (Sand), Oats (Common), Rice, Rye (Cereal), Ryegrass on Stalk, Sorghum (Grain), Triticale, Turnip Weed and any other Foreign Seeds not specified in Types 1-7(a), in SFS or in Unmillable Material Above the Screen that remain above the 2.0mm screen following the Screenings process	50	50	150
SFS	Small Foreign Seeds (SFS) maximum (% by weight) All Foreign Seeds not specified in Types 1-7(b) that fall below the 2.0mm screen during the Screenings process	0.6%	0.6%	1.2%
* Individual Seed Basis ** Parthenium Weed is a NIL tolerance in NSW/VIC/SA *** Hexham Scent is only acceptable if no tainting odour is present				
Other Contaminants – Maximum tolerance per half litre unless otherwise stated. Note: NIL tolerance applies to the entire load except where stated otherwise.				
PICK	Pickling Compounds Maximum (entire load)	NIL	NIL	NIL
CHEM	Chemicals Not Approved for Durum Maximum (entire load)	NIL	NIL	NIL
ERGR	Ryegrass Ergot Maximum (length in cm when pieces are aligned per half litre)	2cm	2cm	2cm
ERGW	Cereal Ergot Maximum (count per half litre)	1	1	1
LIVE	Stored Grain Insects and Pea Weevils: Live Maximum (entire load)	NIL	NIL	NIL
INLG	Field Insects – Large, dead or alive Maximum (count per half litre) Includes Desiantha Weevil, Hairy Fungus Beetle, Pea Weevil (Dead Only), Sitona Weevil, Rutherglen bugs, ladybirds, grasshoppers and wood bugs, whole or parts thereof	3	3	3
INSM	Field Insects – Small, dead or alive Maximum (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	10
SNAL	Snails (Live or Dead) Maximum (count per half litre)	1	1	1
EAR	Earcrocodile Maximum (count per half litre)	10	10	10
LSMT	Loose Smut Maximum (count per half litre)	3	3	3
SAND	Sand Maximum (count per half litre)	20	20	20
EART	Earth (is defined as a clod of dirt, being 5mm or less in diameter)	1	1	1
STON	Stones (g per 2.5L) Maximum weight of all Stones retained above a 2.0mm screen per 2.5L	4	4	4
OBJM	Objectionable Material Maximum (entire load) Includes sticks, stones, gravel, odour, tainting agents and other foreign material such as animal excreta, animal meal or carcasses, glass, concrete and metal	NIL	NIL	NIL
OFM	Other Foreign Material Maximum (% by weight) Includes fine material (dust and minerals), pieces snail shell, sticks less than 1cm long and 0.5cm diameter, other non-vegetative material	0.1%	0.1%	0.1%

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