

WHEAT STANDARDS 2023 - 2024



THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

703.4 - Wheat Standards 2023-2024 - Iss1 - September 2023

Sampling Guidelines

- 1) A minimum of 5 vertical probes must be taken from every bin-load tendered for delivery with at least 5 litres to be drawn.
- 2) The sample must be mixed prior to assessment.
- 3) A half litre sub-sample must then be taken for test weight, screenings, unmillable, defect and contaminant determination.
- 4) A separate sub-sample may be taken for assessment of other traits.

Binning guidelines.

Varietal restrictions apply to the grades on this chart.

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 not available at all GrainFlow locations.

| Test Code | Binned grade | APH1 | APH2 | H1 | H2 | AUH2 | APW1 | ASW1 | HPS1 | AGP1 |
|-----------|---|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| PRGR | Protein Content (%) Minimum | 14.0 | 13.0 | 13.0 | 11.5 | 11.5 | 10.5 | No limit | 11.5 | No limit |
| MOGR | Moisture max (%) | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| TWT | Test Weight min (kg/hl) | 76 | 76 | 76 | 76 | 71 | 76 | 76 | 68 | 68 |
| UNMB | Screenings max (% by weight) All matter passing through a slotted 2.00mm screen - 40 shakes in direction of the slots | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 5.0 | 5.0 | 25.0 | 10.0 |
| UNM | Unmillable Material Above the Screen max (% by weight) | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 0.6 | 0.6 | 2.6 | 1.2 |
| | Defective grains- Maximum tolerance % by count per 300 Grain Sample unless otherwise stated (1% = 3 grains). Sample to be taken from above the 2mm screen. Note: NIL tolerance applies to the entire load | | | | | | | | | |
| FALL | Falling Number min (seconds) | 350 | 350 | 300 | 300 | 250 | 300 | 300 | 250 | 200 |
| SPRO | Spouted Grains max (% by count) 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 grain doesn't apply if a Falling Number test is conducted. | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| FFUN | Stained Grains max (% by count) Grains with a mould like discolouration on less than 50 % of the entire grain surface (Does not include Storage Moulds) Includes: Blackpoint, Blacktip and staining due to moist plant material | 5% (15 grains) | 5% (15 grains) | 5% (15 grains) | 5% (15 grains) | 15% (45 grains) | 5% (15 grains) | 5% (15 grains) | 10% (30 grains) | 15% (45 grains) |
| PFUN | Pink Stained max (% by count) affected by the fungi <i>Fusarium</i> , <i>Epicoccum</i> or <i>Drechslera</i> spp. | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | 3% (9 grains) | 5% (15 grains) |
| WGDH | White Grain Disorder/ Head Scab/ Flaked Grain max (% by count) | 1% (3grains) | 1% (3grains) | 1% (3grains) | 1% (3grains) | 1% (3grains) | 1% (3grains) | 1% (3grains) | 1% (3grains) | 1% (3grains) |
| FFAG | Field Fungi Affected Grains max (count per half litre) Grains with the seed coat greater than 50% discoloured with a mouldy substance (Does not include Storage Moulds) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 20 | 10 |
| GREE | Dry Green or Sappy (% by count) | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 5% (15 grains) |
| DSTD | Distorted Grains max (% by count) | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 10% (30 grains) |
| SVDA | Severely Damaged max (count per half litre) Heat Damaged or Burnt, Mould or Other Serious Visual Defects | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SMUT | Grain Infected With Ball Smut (Also Stinking Smut or Bunt) max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| DAMI | Insect Damaged Grains max (% by count) | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 2% | 2% |
| | 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 | 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, Opium Poppy, Parthenium Weed** | 8* | 8* | 8* | 8* | 8* | 8* | 8* | 8* | 8* |
| WS2 | Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St Johns Wort | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| WS3A | Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| WS3B | Vetch (Tare), Vetch (Commercial) | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| WS3C | Heliotrope (Blue), Heliotrope (Common) | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds | 2 Pods/ 8 Seeds |
| WS4 | Bindweed(Field), Cutleaf Mignonette (seeds or pods), Darnel (Drake Seed), Hexham Scent/Melilot (King Island)*** Hoary Cress, Mintweed, Night Shades, Paddy Melon, Skeleton Weed, Variegated Thistle | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| WS5 | Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| WS6 | Columbus Grass, Johnson Grass, Saffron Thistle. | 10 | 10 | 10 | 10 | 50 | 10 | 10 | 50 | 50 |
| WS7A | Adzuki Beans, Broad Beans, Chickpeas, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Onion Weed Pods, Peas (Field), Medic Pods, Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm diameter | 1 | 1 | 1 | 1 | 10 | 1 | 1 | 10 | 10 |
| WS7B | Barley (2 row), Barley (6 row), Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Durum, Oats (Black/Wild), Oats (Sand), Oats (Common), Red/Spring Feed Wheats, Rice, Rye (Cereal), Ryegrass on Stalk, Sorghum (Grain), Triticale, Turnip Weed Pods and any other seeds not specified in Types (1) to (7a) or in unmillable material that remain above 2.0mm screen after Screening process. | 50 | 50 | 50 | 50 | 150 | 50 | 50 | 150 | 150 |
| SFS | Small Foreign Seeds (SFS) max (% 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 | 0.6 | 0.6 | 1.2 | 0.6 | 0.6 | 1.2 | 1.2 |
| | * Individual Seed Basis **QLD only, 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 otherwise stated | | | | | | | | | |
| PICK | Pickling Compound max (entire load)- Pickled Grain or Artificial Colouring | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| CHEM | Chemicals Not Approved for Grain max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| ERGR | Ergot of Ryegrass max (length in cm when pieces are aligned per half litre) | 2cm | 2cm | 2cm | 2cm | 2cm | 2cm | 2cm | 2cm | 2cm |
| ERGW | Ergot of Wheat (Cereal) max (count per half litre) Pieces or whole affected kernel | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SGIL | Stored Grain Insects and Pea Weevils - Live max (entire load) All life stages | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| INLG | Field Insects (Large) Dead or Alive: All others max (count per half litre) Includes Rutherglen bugs, ladybirds, grasshoppers, locusts, sitona weevils, wood bugs & pea weevil (dead only) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| INSM | Field Insects (Small) Dead or Alive: (count per half litre) Includes all species of aphid, mites & stored grain insects (dead only) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| SNAL | Snails (Live or Dead) max (count per half litre) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 10 |
| EAR | Earcrocodile (Max number of galls per half litre) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 15 |
| LSMT | Loose Smut max (pieces per half litre) Pieces of backbone | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ESA | Sand max (count per half litre) Individual grains | 20 | 20 | 20 | 20 | 50 | 20 | 20 | 50 | 50 |
| ESAP | Earth (5mm max in diameter) | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 3 |
| STON | Stones (g per 2.5L) Maximum weight of all stones above 2.0mm screen per 2.5 L | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| GUMN | Gumnut (count per 2.5L)- Whole or pieces of gumnut of any size and maturity level | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OBJM | Objectionable Material max (entire load) Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Stick/Stubble (>3cm in length and 1cm in diameter), glass, concrete, metal, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, smell or taste. | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |
| ONOM | Other Non-Objectionable Material max (% by weight) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | Includes fine material (soil, dust and minerals), pieces of stored grain insects, pieces small shell (< half) | | | | | | | | | |

This chart is based on Grain Trade Australia (GTA) Standards CSG-100 to CSG-107 and CSG-110
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