

WHEAT STANDARDS 2017 - 2018



THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

703.4a - Supplementary Wheat Standards 2017-2018 - Iss2 - December 2017

Sampling Guidelines

- 1) A minimum of 4 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.

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   | SFW1               | SFW1 (SA)          | FED1                | FED1 (SA)           | AH9                | AH9H               |
|-----------|--|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|
| MOGR      | Moisture max (%)   | 12.5               | 13.5               | 12.5                | 13.5                | 12.5               | 12.5               |
| PRGR      | Protein Content (%) Minimum  | NA                 | NA                 | NA                  | NA                  | 11.5               | 13                 |
| TWT       | Test Weight min (kg/hl)  | 70                 | 70                 | 62                  | 62                  | 68                 | 68                 |
| UNMB      | Screenings max (% by weight)   | 10                 | 10                 | 15                  | 15                  | 25                 | 25                 |
| UNM       | Unmillable Material Above the Screen (% by weight)<br>Includes whiteheads (with grains removed), chaff, backbone, Wild Radish, Milk Thistle, other seedpods  | 1.2                | 1.2                | 2.6                 | 2.6                 | 2.6                | 2.6                |
|           | Defective grains- Maximum tolerance % by count per 300 Grain Sample unless otherwise stated (1% = 3 grains).<br>Note: NIL tolerance applies to the entire load   |                    |                    |                     |                     |                    |                    |
| FALL      | Falling Number min (seconds)   | NA                 | NA                 | NA                  | NA                  | NA                 | NA                 |
| SPRO      | Sprouted Grains max (% by count)<br>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  | NA                 | NA                 | NA                  | NA                  | NA                 | NA                 |
| FFUN      | Stained Grains max (% by count)<br>Grains with a mould like discolouration on less than 50 % of the entire grain surface (Does not include Storage Moulds)<br>Includes: Blackpoint, Blacktip and staining due to moist plant material  | 15%<br>(45 grains) | 15%<br>(45 grains) | 50%<br>(150 grains) | 50%<br>(150 grains) | 25%<br>(75 grains) | 25%<br>(75 grains) |
| PFUN      | Pink Grain max (% by count) affected by the fungi <i>Fusarium</i> , <i>Eppicoccum</i> or <i>Drechslera</i> spp.  | 5%<br>(15 grains)  | 5%<br>(15 grains)  | 5%<br>(15 grains)   | 5%<br>(15 grains)   | 5%<br>(15 grains)  | 5%<br>(15 grains)  |
| WGDH      | White Grain Disorder/Head Scab/Flaked Grain max (% by count)   | 1% (3 grains)      | 1% (3 grains)      | 1% (3 grains)       | 1% (3 grains)       | 1% (3 grains)      | 1% (3 grains)      |
| FFAG      | Field Fungi Affected Grains max (count per half litre)<br>Grains with the seed coat is greater than 50% discolouration with a mouldy substance (Does not include Storage Moulds)   | 10 grains          | 10 grains          | 40 grains           | 40 grains           | 40 grains          | 40 grains          |
| GREE      | Dry Green, Sappy Green (% by count)  | 10%<br>(30 grains) | 10%<br>(30 grains) | NA                  | NA                  | NA                 | NA                 |
| DSTD      | Distorted Grains max (% by count)  | 10%<br>(30 grains) | 10%<br>(30 grains) | NA                  | NA                  | NA                 | NA                 |
| SVDA      | Severely Damaged (count per half litre) Heat Damaged or Burnt, Mould or other Serious Visual Defects   | 1                  | 1                  | 5                   | 5                   | 5                  | 5                  |
| SMUT      | Grain Infected With Ball Smut (Also Stinking Smut or Bunt) ( <i>Tilletia caries</i> ) max (entire load)  | NIL                | NIL                | NIL                 | NIL                 | NIL                | NIL                |
| DAMI      | Insect Damaged Grains max (% by count)   | 2%                 | 2%                 | 4%                  | 4%                  | 2%                 | 2%                 |
|           | Foreign Seed Contaminants<br>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.<br>Except type (1) in which the maximum applies on an individual seed basis per half litre.  |                    |                    |                     |                     |                    |                    |
| WS1       | Colocynth, Double Gees/Spiny Emex/Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Opium Poppy, Parthenium Weed, Poppy (Field), Poppy (Horned), Wild Poppy  | 8*                 | 8*                 | 8*                  | 8*                  | 8*                 | 8*                 |
| WS2       | Branched Broomrape, Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Ragweed, Rattlepods, Starburr, St Johns Wort  | NIL                | NIL                | NIL                 | NIL                 | NIL                | NIL                |
| WS3A      | Bathurst Burr, Bulls Head/Caltrop/Cats Heads, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr, Thornapple   | 2                  | 2                  | 2                   | 2                   | 2                  | 2                  |
| WS3B      | Vetch (Tare), Vetch (Commercial)   | 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    |
| WS4       | Bindweed (Field), Cutleaf Mignonette, 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                 |
| WS5       | Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea   | 40                 | 40                 | 40                  | 40                  | 40                 | 40                 |
| WS6       | Columbus Grass, Johnson Grass, Saffron Thistle.  | 50                 | 50                 | 50                  | 50                  | 50                 | 50                 |
| WS7A      | Chickpeas, Cowpea, Faba Beans, Lentils, Lupin, Maize (Corn), Peas (Field), Safflower, Soybean, Sunflower   | 10                 | 10                 | 100                 | 100                 | 50                 | 50                 |
| WS7B      | Barley (2 row), Barley (6 row), Bindweed (Australian), Bindweed (Black), Durum (Unlimited in FEED), Oats (Black/Wild), Oats (Sand), Oats (Common), Red/Spring Feed Wheats (Unlimited in FEED), Rice, Rye (Cereal), Sorghum, Triticale, Turnip Weed, Any other seeds not specified in Types (1) to (7a) or SFS. | 150                | 150                | 400                 | 400                 | 200                | 200                |
| SFS       | Small Foreign Seeds (SFS) max (% by weight)  | 1.2                | 1.2                | 1.2                 | 1.2                 | 1.2                | 1.2                |
|           | * Individual Seed Basis      ** Hexham Scent is only acceptable if no tainting odour is present  |                    |                    |                     |                     |                    |                    |
|           | Other contaminants - Maximum tolerance per half litre unless otherwise stated<br>Note: NIL tolerance applies to the entire load except where otherwise stated  |                    |                    |                     |                     |                    |                    |
| PICK      | Pickling Compound max (entire load)  | NIL                | NIL                | NIL                 | NIL                 | NIL                | NIL                |
| CHEM      | Chemicals Not Approved for Grain max (entire load)   | 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                |
| ERGW      | Ergot of Wheat max (count per half litre)  | 1                  | 1                  | 1                   | 1                   | 1                  | 1                  |
| SGIL      | Stored Grain Insects and Pea Weevils :Live max (entire load)   | NIL                | NIL                | NIL                 | NIL                 | NIL                | NIL                |
| INLG      | Field Insects (Large): All others max (count per half litre)   | 3                  | 3                  | 3                   | 3                   | 3                  | 3                  |
| INSM      | Field Insects (Small): All others max (count per half litre)   | 10                 | 10                 | 10                  | 10                  | 10                 | 10                 |
| SNAL      | Snails (Live or Dead) max (count per half litre)   | 10                 | 10                 | 10                  | 10                  | 10                 | 10                 |
| EAR       | Earcockle max (number of individual galls per half litre)  | 15                 | 15                 | 20                  | 20                  | 20                 | 20                 |
| LSMT      | Loose Smut max (pieces per half litre)   | 3                  | 3                  | 3                   | 3                   | 3                  | 3                  |
| ESA       | Sand max (count per half litre)  | 50                 | 50                 | 50                  | 50                  | 50                 | 50                 |
| EART      | Earth - 5mm max diameter (count per half litre)  | 3                  | 3                  | 6                   | 6                   | 6                  | 6                  |
| 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                  |
| OBJM      | Objectionable Material max (entire load)<br>Includes sticks, stones, gravel, odour and other foreign material such as animal excreta, glass, addition of water, concrete and metal   | NIL                | NIL                | NIL                 | NIL                 | NIL                | NIL                |
| ONOM      | Other Non-Objectionable Material max (% by weight)<br>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                | 0.2                 | 0.2                 | 0.1                | 0.1                |

This chart is based on Grain Trade Australia (GTA) Standards CSG-150-1  
Prepared and issued by - Grain Technical Services Coordinator.