

AWB LIMITED

WHEAT QUALITY STANDARDS 2004-2005

GRAINCORP SUPPLEMENTARY CHART

THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY – REFER TO AWB WHEAT RECEIVAL STANDARDS 2004-05 SEASON FOR CONFIRMATION

Sampling Guidelines

- 1) A minimum of 3 vertical probes must be taken from every bin-load tendered for delivery. At least 3 litres must be drawn plus an additional litre for every 10 tonnes in the load.
- 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.
- 5) Moisture and protein assessment is to be made by an appropriate field instrument calibrated against approved reference methods.
- 6) Refer to the GrainCorp Sample Stand Manual 2004-05 and AWB Wheat Receival Standards 2004-05 for detailed assessment procedures and varietal listings.

Binning Strategy

Dynamic Binning Strategy (DBS) will only apply to moisture for the grades specified on this chart.

H1, AUH2, HPS1 & AH9

Only APH & AH varieties may be received into these grades.

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

| Maximum Screenings for Payment scale | | 10% | 10% | 10% | NA | NA | NA |
|---|--|---------------------------------|---------------------------------|--------------------|--------------------|--------------------|---------------------|
| Varietal (Paid) Grade Option | | APH | APH | X | X | X | X |
| | | AH | AH | X | X | X | X |
| | | X | X | AUH | X | X | X |
| | | X | X | X | HPS1 | AH9 | FED2 |
| Binned Grade | | H1 | AUH2 | AUH2 | HPS1 | AH9 | FED2 |
| 1 | Moisture max (%) Subject to DBS | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| 2 | Protein Content (%) Stack Minimum | 13 | 11.5 | 11.5 | No Limit | 11.5 | No Limit |
| 3 | Test Weight min (kg/hl) | 74 | 74 | 71 | | 68 | |
| 4 | Unmillable Material-Material passing through a 2mm screen and/or material other than wheat kernels remaining on top of the screen after screening | | | | | | |
| 4A | Screenings max (% by weight) | 5 | 10 | 10 | 25 | 25 | 25 |
| 4B | Unmillable Material Above the Screen max (% by weight) <small>Includes whitheads (with grains removed), chaff, backbone, Wild Radish, Milk Thistle, other seedpods</small> | 0.6 | 0.6 | 1.2 | 2.6 | 2.6 | 2.6 |
| 4C | Small Foreign Seeds (SFS) max (% by weight) | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 5 | Falling Number min (seconds) | 300 <small>(350 APH)</small> | 300 <small>(350 APH)</small> | 250 | 250 | No Limit | No Limit |
| 6 | Grain Defects- Maximum % by count per 300 Grain Sample unless otherwise stated (1% = 3 grains). Note: NIL tolerance applies to the entire load | | | | | | |
| 6A | Sprouted Grains max (% by count) <small>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</small> Note: The NIL tolerance for sprouted grains does not apply if a Falling Number analysis is conducted | NIL | NIL | NIL | NIL | NA | NA |
| 6B | Stained Grains max (% by count) <small>Blackpoint, Blacktip and grains with a mould-like discolouration on less than 50% of the entire grain surface (Does not include Storage Moulds)</small> | 5% (15 grains) | 5% (15 grains) | 15% (45 grains) | 10% (30 grains) | 25% (75 grains) | 50% (150 grains) |
| | OF WHICH Pink Grains max (% by count) affected by the fungi <i>Fusarium</i> , <i>Eppicoccum</i> or <i>Drechslera</i> spp. | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | 3% (9 grains) | 5% (15 grains) | 5% (15 grains) |
| 6C | Dry Green, Sappy or Frost Distorted Grains max (% by count) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 2% (6 grains) | 20% (60 grains) | No Limit |
| 6D | Heat Damaged, Bin Burnt or Storage Mould Affected Grains max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| 6E | Field Fungi Affected Grains max (entire load) <small>Grains with a mould-like discolouration on more than 50% of the entire grain surface (Does not include Storage Moulds)</small> | NIL | NIL | NIL | NIL | NIL | NIL |
| 6F | Rotted Grains max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| 6G | Grain Infected With Ball Smut (Also Stinking Smut or Bunt) (<i>Tilletia caries</i>) max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| 6H | Insect Damaged Grains max (% by count) | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 2% (6 grains) | 4% (12 grains) |
| 6I | Staining Due to Moist Plant Material max (% by count) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | No Limit |
| 6J | Head Scab Affected Grains max (% by count) <small>Affected by <i>Fusarium graminearum</i></small> | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 2% (6 grains) |
| 6K | Takeall Affected Grains max (% by count) | 1% (3 grains) | 1% (3 grains) | 2% (6 grains) | 2% (6 grains) | 2% (6 grains) | No Limit |
| 6L | Grains Affected By White Grain Disorder max (% by count) <small>Affected by <i>Botryosphaeria</i> spp.</small> | 2% (6 grains) | 2% (6 grains) | 5% (15 grains) | 5% (15 grains) | 5% (15 grains) | No Limit |
| 7 | Grain Contaminants - Maximum per half litre, unless otherwise stated. Note: NIL tolerance applies to the entire load | | | | | | |
| 7A | 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. | | | | | | |
| TYPE | Except type (1) in which the maximum applies on an individual seed basis per half litre. | | | | | | |
| (1) | Colocynthis, 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* |
| (2) | Branched Broomrape, Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Ragweed, Rattlepods, Starburr, St Johns Wort | NIL | NIL | NIL | NIL | NIL | NIL |
| (3a) | Bathurst Burr, Bulls Head/Caltrop/Cats Heads, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr, Thornapple | 2 | 2 | 2 | 2 | 2 | 2 |
| (3b) | Vetch (Tare), Vetch (Commercial) | 4 | 4 | 4 | 4 | 4 | 4 |
| (3c) | Heliotrope (Blue), Heliotrope (Common) | 8 | 8 | 8 | 8 | 8 | 8 |
| (4) | 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 |
| (5) | Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea | 40 | 40 | 40 | 40 | 40 | 40 |
| (6) | Columbus Grass, Johnson Grass, Saffron Thistle | 10 | 10 | 50 | 50 | 50 | 50 |
| (7a) | Chickpeas, Cowpea, Faba Beans, Lentils, Lupin, Maize (Corn), Peas (Field), Safflower, Soybean, Sunflower | 1 | 1 | 10 | 10 | 50 | 100 |
| (7b) | 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. | 50 | 50 | 150 | 150 | 200 | 400 |
| * Individual Seed Basis ** Hexham Scent is only acceptable if no tainting odour is present | | | | | | | |
| 7B | Ergot of Ryegrass max (length in cm when pieces are aligned per half litre) | 2cm | 2cm | 2cm | 2cm | 2cm | 2cm |
| | Ergot of Wheat max (count per half litre) | 1 | 1 | 1 | 1 | 1 | 1 |
| 7C | Tainting Agents max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| 7D | Pickling Compound max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| 7E | Chemicals Not Approved for Grain max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| 7F | Objectionable Material max (entire load) <small>Includes sticks, stones, gravel, odour and other foreign material such as animal excreta, glass, concrete and metal</small> | NIL | NIL | NIL | NIL | NIL | NIL |
| 7G | Other Non-Objectionable Material max (% by weight) <small>Includes fine material (dust and minerals), pieces snail shell, sticks less than 1cm long and 0.5cm diameter, other non-vegetative material</small> | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7H | Sand max (count per half litre) | 20 | 20 | 50 | 50 | 50 | 50 |
| | Earth - 5mm max diameter (count per half litre) | 1 | 1 | 3 | 1 | 6 | 8 |
| 7I | Stored Grain Insects and Pea Weevils :Live max (entire load) | NIL | NIL | NIL | NIL | NIL | NIL |
| | Stored Grain Insects :Dead max (count per half litre) | 5 | 5 | 5 | 5 | 5 | 5 |
| | Pea Weevils :Dead max (count per half litre) | 3 | 3 | 3 | 3 | 3 | 3 |
| 7J | Earcocle max (number of individual galls per half litre) | 10 | 10 | 10 | 10 | 20 | 50 |
| 7K | Field Insects :Sitona Weevils max (count per half litre) | 10 | 10 | 10 | 10 | 10 | 10 |
| | Field Insects :All others max (count per half litre) | 3 | 3 | 3 | 3 | 3 | 3 |
| 7L | Snails (Live or Dead) max (count per half litre) | 1 | 1 | 1 | 5 | 10 | 10 |
| 7M | Loose Smut max (pieces per half litre) | 3 | 3 | 3 | 3 | 3 | 3 |

Not to be assessed at Sample Stand unless otherwise advised
NA = Not Applicable

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