

AWB LIMITED

WHEAT QUALITY STANDARDS 2004-2005

GRAINCORP DURUM 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 prevail at nominated sites. Binned Grade cut offs for Protein, Moisture and Screenings will be calculated from site grade quality information.

Durum varieties failing to meet the standards for DR1, DR2 and DR3 must not be binned above FEED.

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%	10%
Varietal (Paid) Grade Option		APDR X	APDR X	APDR X	X AGDR
Binned Grade		DR1	DR2	DR3	DR3
1	Moisture max (%) Subject to DBS	12.5	12.5	12.5	12.5
2	Protein Content (%) Stack Minimum Subject to DBS	13	11.5	10	10
3	Test Weight min (kg/hl)	74	74	74	71
4	Unmillable Material-Material passing through a 2mm screen and/or material other than durum kernels remaining on top of the screen after screening				
4A	Screenings max (% by weight) Subject to DBS	5	5	10	10
4B	Unmillable Material Above the Screen max (% by weight) <small>Includes whiteheads (with grains removed), chaff, backbone, Wild Radish, Milk Thistle, other seedpods</small>	0.6	0.6	0.6	1.2
4C	Small Foreign Seeds (SFS) max (% by weight)	0.6	0.6	0.6	1.2
5	Falling Number min (seconds)	300	300	300	200
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
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>	3% (9 grains)	5% (15 grains)	5% (15 grains)	20% (60 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)	5% (15 grains)
6C	Dry Green, Sappy or Frost Distorted Grains max (% by count)	1% (3 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)
6D	Heat Damaged, Bin Burnt or Storage Mould Affected Grains max (entire load)	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
6F	Rotted Grains max (entire load)	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
6H	Insect Damaged Grains max (% by count)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)
6I	Staining Due to Moist Plant Material max (% by count)	1% (3 grains)	1% (3 grains)	1% (3 grains)	5% (15 grains)
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)
6K	Takeall Affected Grains max (% by count)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)
6L	Grains Affected By White Grain Disorder max (% by count) <small>Affected by <i>Botryosphaeria</i> spp.</small>	2% (6 grains)	2% (6 grains)	2% (6 grains)	5% (15 grains)
6M	Bread Wheat max (% by count)	3% (9 grains)	3% (9 grains)	3% (9 grains)	5% (15 grains)
6N	Vitreous Kernels min (% by count) #	90%	80%	80%	70%
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)	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*
(2)	Branched Broomrape, Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Ragweed, Rattlepods, Starburr, St Johns Wort	NIL	NIL	NIL	NIL
(3a)	Bathurst Burr, Bulls Head/Caltrop/Cats Heads, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr, Thornapple	2	2	2	2
(3b)	Vetch (Tare), Vetch (Commercial)	4	4	4	4
(3c)	Heliotrope (Blue), Heliotrope (Common)	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
(5)	Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea	40	40	40	40
(6)	Columbus Grass, Johnson Grass, Saffron Thistle	10	10	10	50
(7a)	Chickpeas, Cowpea, Faba Beans, Lentils, Lupin, Maize (Corn), Peas (Field), Safflower, Soybean, Sunflower	1	1	1	10
(7b)	Barley (2 row), Barley (6 row), Bindweed (Australian), Bindweed (Black), 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	50	150
* 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
	Ergot of Wheat max (count per half litre)	1	1	1	1
7C	Tainting Agents max (entire load)	NIL	NIL	NIL	NIL
7D	Pickling Compound max (entire load)	NIL	NIL	NIL	NIL
7E	Chemicals Not Approved for Grain max (entire load)	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
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
7H	Sand max (count per half litre)	20	20	20	20
	Earth - 5mm max diameter (count per half litre)	1	1	1	1
7I	Stored Grain Insects and Pea Weevils :Live max (entire load)	NIL	NIL	NIL	NIL
	Stored Grain Insects :Dead max (count per half litre)	5	5	5	5
	Pea Weevils :Dead max (count per half litre)	3	3	3	3
7J	Earcocks max (number of individual galls per half litre)	10	10	10	10
7K	Field Insects :Sitona Weevils max (count per half litre)	10	10	10	10
	Field Insects :All others max (count per half litre)	3	3	3	3
7L	Snails (Live or Dead) max (count per half litre)	1	1	1	1
7M	Loose Smut max (pieces per half litre)	3	3	3	3

Not to be assessed at Sample Stand unless otherwise advised
NA = Not Applicable
Issued: 9-Aug-04