

# AWB LIMITED

## WHEAT QUALITY STANDARDS 2004-2005

### GRAINCORP PRIMARY 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 cutoffs for Protein, Moisture and Screenings will be calculated from site grade quality information.

The varieties Anlace, Bowie, Grebe, QAL2000, Snipe, Tatiara, Thornbill, Vectis and Wyuna must not be binned above AGP1 unless there is a SFE1 or SFE2 segregation and they are acceptable soft wheat varieties at that site.

The varieties Lorikeet, Rosella and Sunsoft 98 must not be binned above ASW1 unless there is an ASWN segregation and they are acceptable ASWN varieties at that site.

**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%	10%	10%	15%	15%
<b>Varietal (Paid) Grade Option</b>		APH	APH	APH	APH	APH	X	X	X
		X	AH	AH	AH	AH	X	X	X
		X	X	APW	APW	APW	X	X	X
		X	X	X	ASW	ASW	X	X	X
		X	X	X	X	X	AGP	X	X
		X	X	X	X	X	X	AUW	X
	X	X	X	X	X	X	X	FEED	
<b>Binned Grade</b>		<b>APH2</b>	<b>H2</b>	<b>APW1</b>	<b>ASW1</b>	<b>AGP1</b>	<b>AGP1</b>	<b>AUW1</b>	<b>FED1</b>
<b>1</b>	<b>Moisture max (%) Subject to DBS</b>	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
<b>2</b>	<b>Protein Content (%) Stack Minimum Subject to DBS</b>	13.0	11.5	10.5	No Limit	No Limit	No Limit	No Limit	No Limit
<b>3</b>	<b>Test Weight min (kg/hl)</b>	74	74	74	74	74	68	68	62
<b>4</b>	<b>Unmillable Material-Material passing through a 2mm screen and/or material other than wheat kernels remaining on top of the screen after screening</b>								
<b>4A</b>	<b>Screenings max (%) Subject to DBS</b>	5	5	5	5	10	10	15	15
<b>4B</b>	<b>Unmillable Material Above the Screen max (%) by weight)</b> <small>Includes whiteheads (with grains removed), chaff, backbone, Wild Radish, Milk Thistle, other seedpods</small>	0.6	0.6	0.6	0.6	0.6	1.2	2.6	2.6
<b>4C</b>	<b>Small Foreign Seeds (SFS) max (%) by weight)</b>	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
<b>5</b>	<b>Falling Number min (seconds)</b>	350	300 (350 APH)	300 (350 APH)	300 (350 APH)	300 (350 APH)	200	200	No Limit
<b>6</b>	<b>Grain Defects- Maximum % by count per 300 Grain Sample unless otherwise stated (1% = 3 grains). Note: NIL tolerance applies to the entire load</b>								
<b>6A</b>	<b>Sprouted Grains max (%) by count)</b> <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> <b>Note: The NIL tolerance for sprouted grains does not apply if a Falling Number analysis is conducted</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NA
<b>6B</b>	<b>Stained Grains max (%) by count)</b> <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)	5% (15 grains)	5% (15 grains)	5% (15 grains)	15% (45 grains)	15% (45 grains)	50% (150 grains)
	<b>OF WHICH</b> <b>Pink Grains max (%) by count) affected by the fungi <i>Fusarium</i>, <i>Eppiccoccum</i> or <i>Drechslera</i> spp.</b>	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	5% (15 grains)	5% (15 grains)	5% (15 grains)
<b>6C</b>	<b>Dry Green, Sappy or Frost Distorted Grains max (%) by count)</b>	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	10% (30 grains)	10% (30 grains)	NA
<b>6D</b>	<b>Heat Damaged, Bin Burnt or Storage Mould Affected Grains max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>6E</b>	<b>Field Fungi Affected Grains max (entire load)</b> <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	5 Per half litre	NIL
<b>6F</b>	<b>Rotted Grains max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>6G</b>	<b>Grain Infected With Ball Smut (Also Stinking Smut or Bunt) (<i>Tilletia caries</i>) max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>6H</b>	<b>Insect Damaged Grains max (%) by count)</b>	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	2% (6 grains)	4% (12 grains)
<b>6I</b>	<b>Staining Due to Moist Plant Material max (%) by count)</b>	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	5% (15 grains)	5% (15 grains)	NA
<b>6J</b>	<b>Head Scab Affected Grains max (%) by count)</b> <small>Affected by <i>Fusarium graminearum</i></small>	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)
<b>6K</b>	<b>Takeall Affected Grains max (%) by count)</b>	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	NA
<b>6L</b>	<b>Grains Affected By White Grain Disorder max (%) by count)</b> <small>Affected by <i>Botryosphaeria</i> spp.</small>	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	5% (15 grains)	5% (15 grains)	NA
<b>7</b>	<b>Grain Contaminants - Maximum per half litre, unless otherwise stated. Note: NIL tolerance applies to the entire load</b>								
<b>7A</b>	<b>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.</b>								
<b>TYPE</b>	<b>Except type (1) in which the maximum applies on an individual seed basis per half litre.</b>								
<b>(1)</b>	<b>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</b>	8*	8*	8*	8*	8*	8*	8*	8*
<b>(2)</b>	<b>Branched Broomrape, Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Ragweed, Rattlepods, Starburr, St Johns Wort</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>(3a)</b>	<b>Bathurst Burr, Bulls Head/Caltrop/Cats Heads, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr, Thornapple</b>	2	2	2	2	2	2	2	2
<b>(3b)</b>	<b>Vetch (Tare), Vetch (Commercial)</b>	4	4	4	4	4	4	4	4
<b>(3c)</b>	<b>Heliotrope (Blue), Heliotrope (Common)</b>	8	8	8	8	8	8	8	8
<b>(4)</b>	<b>Bindweed (Field), Cutleaf Mignonette, Darnel (Drake Seed), Hexham Scent/Melilot (King Island)**, Hoary Cress, Mintweed, Night Shades, Paddy Melon, Skeleton Weed, Variegated Thistle</b>	20	20	20	20	20	20	20	20
<b>(5)</b>	<b>Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea</b>	40	40	40	40	40	40	40	40
<b>(6)</b>	<b>Columbus Grass, Johnson Grass, Saffron Thistle</b>	10	10	10	10	10	50	50	50
<b>(7a)</b>	<b>Chickpeas, Cowpea, Faba Beans, Lentils, Lupin, Maize (Corn), Peas (Field), Safflower, Soybean, Sunflower</b>	1	1	1	1	1	10	10	100
<b>(7b)</b>	<b>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.</b>	50	50	50	50	50	150	150	400
* Individual Seed Basis      ** Hexham Scent is only acceptable if no tainting odour is present									
<b>7B</b>	<b>Ergot of Ryegrass max (length in cm when pieces are aligned per half litre)</b>	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm
<b>7C</b>	<b>Ergot of Wheat max (count per half litre)</b>	1	1	1	1	1	1	1	1
<b>7D</b>	<b>Tainting Agents max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>7E</b>	<b>Pickling Compound max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>7F</b>	<b>Chemicals Not Approved for Grain max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>7E</b>	<b>Objectionable Material max (entire load)</b> <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	NIL	NIL
<b>7G</b>	<b>Other Non-Objectionable Material max (%) by weight)</b> <small>Includes fine material (dust and minerals), pieces small 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	0.1	0.2
<b>7H</b>	<b>Sand max (count per half litre)</b>	20	20	20	20	20	50	50	50
	<b>Earth - 5mm max diameter (count per half litre)</b>	1	1	1	1	1	3	3	6
<b>7I</b>	<b>Stored Grain Insects and Pea Weevils :Live max (entire load)</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	<b>Stored Grain Insects :Dead max (count per half litre)</b>	5	5	5	5	5	5	5	5
	<b>Pea Weevils :Dead max (count per half litre)</b>	3	3	3	3	3	3	3	3
<b>7J</b>	<b>Earcockle max (number of individual galls per half litre)</b>	10	10	10	10	10	15	15	50
<b>7K</b>	<b>Field Insects :Sitona Weevils max (count per half litre)</b>	10	10	10	10	10	10	10	10
	<b>Field Insects :All others max (count per half litre)</b>	3	3	3	3	3	3	3	3
<b>7L</b>	<b>Snails (Live or Dead) max (count per half litre)</b>	1	1	1	1	1	10	10	10
<b>7M</b>	<b>Loose Smut max (pieces per half litre)</b>	3	3	3	3	3	3	3	3

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