## BARLEY STANDARDS 2023 - 2024

703.5 - Barley Standards 2023-2024 - Iss1 - September 2023

THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

## 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 .

a) The sample must be mixed prior to assessment.
b) A half litre sub-sample must then be taken for test weight, screenings, unmillable, defect and contaminant determination.
c) 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

		MALTING			BARLEY	
	Commander	CO1	C02			
	Compass	CP1	CP2			
	Latrobe	LA1	LA2			
	Maximus	MA1	MA2	BAR1	BAR2	BAR3
	Planet	PL1	PL2			
Track	Scope	SO1	SO2			
Test Code	Spartacus	SP1	SP2			
VARP	Varietal purity min (%) 2 row barley with a white aleurone layer of sound ripe merchantable condition	95	95		2 row variet	ies
PRGR	Protein Content (%) Minimum	9	9	No Limit	No Limit	No Limit
FNON	Protein Content (%) Maximum	12	12	No Limit	No Limit	No Limit
MOGR	Moisture max (%)	12.5	12.5	12.5	12.5	12.5
TWT	Test Weight min (kg/hl)	65	65	62.5	60	55
R250	Retention min (% by weight) above 2.5mm Agtator screen	70	62	No Limit	No Limit	No Limit
SCR5	Screenings max (% by weight) below 2.2mm Agtator screen	7	10	15	25	60
GMEN	Germinative Energy min (%) #	95	95	No Limit	No Limit	No Limit
GRMC	Germinative Capacity min (%) (IOB 4 mL Germinative Energy test is preferred and overrides Germinative Capacity test where practical) #	98	98	No Limit	No Limit	No Limit
FALL	Falling Number min (seconds) Falling number result over-rides the visual assessment of Shot & Sprouted.	300	300	No Limit	No Limit	No Limit
RVA	Or RVA min (falling number is preferred and overrides RVA where available)	130	130	No Limit	No Limit	No Limit
	Defective Grain - Grain-Maximum tolerance count per 100 grain sample unless otherwise stated. (Sample to taken from the bucket sample)	100	150	NO LINIC	Ho Linit	NO LINIC
	Note: NIL tolerance apples to the entire load except where stated otherwise					
SPRO	Sprouted/Pre germinated Max (count per 100 grains) Falling number result over-rides the visual assessment of Shot & Sprouted.	NIL	NIL	NIL	5	No Limit
	Split germ and/or a more advanced stage in which germ has grown					
SHOT	Shot maximum (count per 100 grains) Falling number result over-rides the visual assessment of Shot & Sprouted.	NIL	NIL	No Limit	No Limit	No Limit
FFUN	Dark tipped max (count per 100 grains)	10	10	No Limit	No Limit	No Limit
FFAG	Field Fungi (count per 100 grains)	5	5	No Limit	No Limit	No Limit
PSTN	Pink Fungal Staining max ( count per half litre)	1	1	20	30	30
SKIN	Skinnings max ( count per 100 grains)	15	15	No Limit	No Limit	No Limit
BIDB	Insect Damaged Barley max (count per half litre)	10	10	85	85	85
SPCL	Split / Cleaved Barley max (count per 100 grains)	1	1	No Limit	No Limit	No Limit
BRSH	Broken Grain max (% by weight per 100 grams)	2	2	5	5	10
DSTD	Distorted max (count per 100 grains)	5	5	10	10	20
GREE	Dry green or Sappy max (count per 100 grains)	1	1	No Limit	No Limit	No Limit
SVDA	Severely Damaged max (count per half litre) Burnt/Heat Damaged, Mould, Diseased/ Other Serious Visual Defects	1	1	2	5	5
	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					
	TYPE (1): Colocynth, Field poppy, Horned Poppy, Jute, Long Headed Poppy, Mexican Poppy, New Zealand Spinach, Parthenium					
BS1	Weed**(QLD only), Saffron Thistle, Wild Poppy	8*	8*	8*	8*	12*
	TYPE(2): Castor oil plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Opium Poppy, Peanut seeds and pods, Ragweed, Rattlepods,					
BS2		NIL	NIL	NIL	NIL	NIL
	Starburr, St Johns Wort					
	TYPE(3A): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr,	2	2	2	2	2
BS3A	Thornapple	2	2	2	2	2
BS3B	TYPE (3B): Vetch (commercial), Vetch (Tare)	4	4	4	10	20
2626		1 Pod /	1 Pod /	1 Pod /	1 Pod /	1 Pod /
BS3C	TYPE(3C): Heliotrope (Blue), Helitrope (common)	4 Seeds	4 Seeds	4 Seeds	4 Seeds	4 Seeds
BS3D	TYPE(3D): Double Gee/Spiney Emex/ Three Corner Jack	1	1	1	1	1
	TYPE(4): Bindweed (Field), Cutleaf Mignonette seeds or pods, Darnel (Drake Seed), Hexham Scent/Melilot (King Island)***, Hoary					
BS4	Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20	20	30
0.05		40	40	40	40	
BS5	TYPE(5): Creeping Knapweed/Russian Knapweed, Pattersons Curse/Salvation Jane, Sesbania Pea	-	-	-	-	50
BS6	TYPE(6): Columbus Grass, Johnson Grass****	NIL	NIL	40	40	80
BS7A	TYPE(7a): Adzuki Beans, Broad Beans, Chickpeas, Clover, Medic Pods, Cowpea, Faba Beans, Field Peas, Lentils, Lupins,	1	1	10	20	20
00//1	Onion Weed Pods, Maize (corn), Safflower, Soybean, Sunflower, and any other seeds or pods greater than 5mm in diameter.	-	-			20
	TYPE(7b): Barley (6 Row), Bedstraw, Bindweed (Australian), Bindweed ( Black), Brome grass, Musk weed, Onion Weed, Phalaris					
BS7B	Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed Pods, Any other seed	50	50	150	300	500
	contaminant not specified in TYPE(1)-TYPE(7a) or in SFS					
BS1A	WHEAT, CEREAL RYE, TRITICALE, RICE, CULTIVATED OATS	05	05	500	1500	2000
-		85	85			
BS1B	Wild Oats, Wild Radish Pods	25	25	50	100	100
BBAL	Barley with Blue/Black coloured Aleurone Layer	NIL	NIL	100	100	100
SFS	Small Foreign Seeds max (% by weight)	0.6%	0.6%	1.2%	2.0%	2.5%
515	Foreign seeds not specified in TYPE (1) - TYPE (7b) falling below 2.2mm agtator screen	3.070	3.070	1.2/0	2.076	
	* Individual Seed Basis **Parthenium Weed is a NIL tolerance in NSW/VIC/SA					
	*** Hexham Scent is acceptable if no tainting odour ****TYPE(6) limit in QLD is 40 per half litre for all barley grades					
	Other Contaminants - Maximun tolerance per half litre unless otherwise stated					
	Note: NIL tolerance applies to the entire load except where otherwise stated					
FM	Foreign Material max (% by weight per half litre)	1%	1%	1%	1%	1%
	Other then already specified includes: Chaff, straw, backbone					
	Cereal Smut/Ergots max (count per half litre)					
ERGC	Includes: Ball and gall smut, other smut species, cereal ergots	NIL	NIL	NIL	NIL	NIL
100.00						
LSMT	Loose smut (weight in grams) Weight of all pieces per half litre	0.1	0.1	0.1	0.1	0.1
ERGR	Ergot of Ryegrass max (length in cm when pieces are aligned per half litre)	0.5cm	0.5cm	0.5cm	0.5cm	0.5cm
SGIL	Stored Grain Insects and Pea Weevils: Live max (entire load)	NIL	NIL	NIL	NIL	NIL
	Field Insects: Large Live or Dead max (Count per 1/2 ltr) Includes Ruthergien bugs, ladybirds, grasshoppers/locusts, sitona weevils, pea					
INLG		3	3	3	3	3
	weevils (dead only), wood bugs					
INSM	Field Insects: Small Live or Dead max (Count per half litre) Includes all species of aphid, mites & stored grain insects (dead)	10	10	10	10	10
SNAL	Snails max (Count per half litre)	1	1	1	4	10
ESAP	Earth max (5mm in diameter)	3	3	3	3	3
ESA	Sand max (Count per half litre) Individual grains	50	50	50	50	50
ESA		50	50	50	50	50
ОВЈМ	Objectionable Matter max (entire load): Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal	NIL	NIL	NIL	NIL	NIL
	proteins. Stick/Stubble, glass, concrete, or any other commerically unacceptable contaminant, smell or taste					
STON	Stones (g per 2.5L) Maximum weight of all stones above 2.2 & 2.5mm screen per 2.5 L	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
PICK	Pickling Compounds or artificia colour MAX (entire Load)	NIL	NIL	NIL	NIL	NIL
	Chemical Residues MAX (entire load)	NIL	NIL	NIL	NIL	NIL
CHEM	Residues of any chemical compound not approved for barley or used in contravention of the labelled instructions					
	ed on Grain Trade Australia (GTA) standards CSG-10, CSG-11, CSG-20 and CSG-21	GrainFlow Enqu	uiries Toll Free		1800 4GRAIN	
	essed at Sample Stand uinless otherwise advised					
Prepared an	d issued by - Grain Technical Services Manager.					