## SA BARLEY STANDARDS 2023 - 2024

**GrainFlow** 

## THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

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

## **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 .
- 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.

**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	BARLEY		
	Commander	CO1	C02			
	Compass	CM1	CM2			
	Latrobe	LA1	LA2	BAR1	BAR2	BAR3
	Maximus Planet	MA1 PL1	MA2 PL2	DAKI	DARZ	DAKS
	riante 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	All	2 row variet	ies
	Protein Content (%) Minimum	9	9	No Limit	No Limit	No Limit
PRGR	Protein Content (%) Maximum	12	12	No Limit	No Limit	No Limit
MOGR	Moisture max (%)	13.5	13.5	13.5	13.5	13.5
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)	300	300	No Limit	No Limit	No Limit
RVA	Or RVA min (falling number is preferred and overrides RVA where available)  Defective Grain - Grain- Maximum tolerance count per 100 grain sample unless otherwise stated. (Sample to taken from the bucket sample)	130	130	No Limit	No Limit	No Limit
	Note: NIL tolerance apples to the entire load except where stated otherwise					
	Sprouted/Pre germinated Max (count per 100 grains)					
SPRO		NIL	NIL	NIL	5	No Limit
SHOT	Split germ and/or a more advanced stage in which germ has grown	NIII	NIII	No Lineia	No Umile	No. Lincia
	Shot maximum (count per 100 grains)	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	e		
	Except type (1) in which the maximum applies on an individual seed basis per half litre					
BS1	TYPE (1): Colocynth, Field poppy, Horned Poppy, Jute, Long Headed Poppy, Mexican Poppy, New Zealand Spinach, Parthenium	8*	8*	8*	8*	12*
	Weed**, Saffron Thistle, Wild Poppy			_		
BS2	TYPE(2): Castor oil plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Opium Poppy, Peanut seeds and pods, Ragweed, Rattlepods,	NIL	NIL	NIL	NIL	NIL
552	Starburr, St Johns Wort	•••-				
	TYPE(3A): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Heads, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr,	2	2	2	2	2
BS3A	Thornapple					
BS3B	TYPE (3B): Vetch (commercial), Vetch (Tare)	4	4	4	10	20
BS3C	TYPE(3C): Heliotrope (Blue), Helitrope (common)	1 Pod /	1 Pod /	1 Pod /	1 Pod /	1 Pod /
BCOB		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
BS4	TYPE(4): Bindweed (Field), Cutleaf Mignonette seeds or pods, Darnel (Drake Seed), Hexam Scent/Melilot (King Island)***, Hoary	20	20	20	20	30
no.	Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle					
BS5	TYPE(5): Creeping Knapweed/Russian Knapweed, Patersons Curse/Salvation Jane, Sesbania Pea	40 NIL	40 NIL	40	40 40	50
BS6	TYPE(6): Columbus Grass, Johnson Grass****  TYPE(7a): Chickpeas, Clover/Medic Pods, Cowpea, Faba Beans, Field Peas, Lentils, Lupins, Maize (corn), Safflower, Soybean,	NIL	NIL	40	40	80
BS7A	Sunflower, and any other seeds or pods greater than 5mm in diameter including broad bean	1	1	10	20	20
BS7B	TYPE(7b): Barley (6 Row), Bedstraw, Bindweed (Australian), Bindweed (Black), Brome grass, Musk weed, Onion Weed, Phalaris	50	50	150	300	500
D37D	Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed, Any other seed contaminant not	30	30	130	300	300
BS1A	specified in TYPE(1)-TYPE(7a) or in SFS WHEAT, CEREAL RYE, TRITICALE, RICE, CULTIVATED OATS	85	85	500	1500	2000
BS1B		25	25	50	100	100
BBAL	Wild Oats, Wild Radish Barley with Blue/Black Aleurone Layer	NIL	NIL	100	100	100
	Small Foreign Seeds max (% by weight)					
SFS	Foreign seeds not specified in TYPE (1) - TYPE (7b) falling below 2.2mm agtator screen	0.6%	0.6%	1.2%	2.0%	2.5%
	* Individual Seed Basis **Parthenium Weed is a NIL tolerance in NSW/VIC/SA					
	****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					
ERGC	Cereal Smut/Ergots max (count per half litre)	NIL	NIL	NIL	NIL	NIL
	Includes: Ball and gall smut, other smut species, cereal ergots					
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
INLG	Field Insects: Large Live or Dead max (Count per 1/2 ltr) Includes Rutherglen bugs, ladybirds, grasshoppers/locusts, sitona weevils, pea	3	3	3	3	3
VLG	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
	Objectionable Matter max (entire load)					
OBJM	Includes: Sticks, glass, concrete, or any other commerically unacceptable contaminant, smell or taste	NIL	NIL	NIL	NIL	NIL
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		1	1	1	1	1
	Gumnut (count per 2.5L): Whole or pieces of gumnut of any size and maturity level					
PICK	Pickled Max (entire Load)	NIL	NIL	NIL	NIL	NIL
	Chemical Residues max (entire load)	NIL	NIL	NIL	NIL	NIL
CHEM This short is hor	Residues of any chemical compound not approved for barley or used in contravention of the labelled instructions					CDAIN:
	ed on Grain Trade Australia (GTA) standards CSG-10, CSG-11, CSG-20, and CSG-21 ssed at Sample Stand uinless otherwies advised	GrainFlow Enqu	uries Toll Free		1800 4	GKAIN
	d issued by - Grain Technical Services Manager.					