

## BARLEY STANDARDS 2023-2024

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THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY These standards are to be applied on individual truck loads and must not be averaged over a number of loads.

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			LTING BARI	_EY	BARLEY	
Test	Alestar Compass Gairdner La Trobe All malting varieties must be segregated and of the current season RGT Planet Spartacus Westminster All Other Varieties	AL1 CM1 GA1 LA1 LE1 MA1 PL1 SP1 WS1	AL2 CM2 GA2 LA2 LE2 MA2 PL2 SP2 WS2	AL3 CM3 LA3 LE3 MA3 PL3 SP3 WS3	BAR1 BAR1 BAR1 BAR1 BAR1 BAR1 BAR1 BAR1	BAR2 BAR2 BAR2 BAR2 BAR2 BAR2 BAR2 BAR2
	Varietal Purity minimum (% by count per 100 Grain Sample) All approved 2 row malting varieties of the current season	95 12.5	95 12.5	95 12.5		1
MOGR	Moisture maximum (%) Protein minimum (%)	9.0	9.0	9.0	12.5 No Limit	12.5 No Limit
PRGR	Protein maximum (%)	12.0	12.0	12.8		No Limit
тwт	Test Weight minimum (kg/hl)	65.0	65.0	65.0	62.5	60.0
	Retention minimum (% by weight) Above 2.5mm Agtator screen	70.0	62.0	58.0	No Limit	No Limit
	Screenings maximum (% by weight) Below 2.2mm Agtator screen Germination	7.0 95	10.0 95	No Limit 95	15.0	25.0 No Limit
		300	300	300	N/A	N/A
Defective Grains – Maximum tolerance as per method specified. Note: NIL tolerance applies to the entire load.						
	re definitions are to be read in conjunction with the photo in the Visual Recognition Standards Guide which depicts the minimum standard for a grain to be classifi			NIII	<b>N</b> 1 1 1 11	<b>N I</b> · · · ·
	Shot maximum (% by count per 100 Grain Sample) - Note: The NIL tolerance for shot grains does not apply if a Falling Number analysis is conducted. Sprouted maximum (% by count per 100 Grain Sample) - Any visible evidence of the shoot or root system beginning to emerge from the germ.	NIL	NIL	NIL		No Limit
SPRO	Note: NIL tolerance for sprouted grains does not apply to malt grades if a Falling Number analysis is conducted.	NIL	NIL	NIL	NIL	5
BTIP	Dark Tipped (% by count per 100 Grain Sample)	10	10	10	No Limit	No Limit
FFUN	Field Fungi maximum (% by count per 100 Grain Sample) Seed coat has the appearance of black spotting occurring anywhere on the grain. Coverage greater than approximately 10% of the grain surface is considered defective, otherwise classified as sound. Grey surface discolouration of the kernel. Does not include Severely Damaged.	5	5	5	No Limit	No Limit
SKIN	Skinnings maximum (% by count per 100 Grain Sample)	15	15	15	No Limit	No Limit
CLD	Cleaved maximum (% by count per 100 Grain Sample) - A split on any part of the grain that exposes the white endosperm.	1	1	1	No Limit	No Limit
DIST	Distorted maximum (% by count per 100 Grain Sample) - Grain which is collapsed on the dorsal side. Grains may appear orange in colour.	5	5	5	10	10
GREE	Dry Green or Sappy maximum (% by count per 100 Grain Sample)	1	1	1	No Limit	No Limit
	Pink Fungal Maximum (count per half litre)	1	1	1	20	30
	Insect Damaged maximum (count per half litre)	10	10	10	85	85
SEVE	Severely Damaged maximum (count per half litre above 2.2mm and 2.5mm screens) Mould, heat damaged / burnt, diseased or other serious visual defects. Grains that have become severely discoloured. Grains appear dark brown, or in severe cases, blackened. May also appear discoloured under the husk on the kernel. Does not include Field Fungi.	1	1	1	2	5
BKN	Broken maximum (% by weight per 100g Sample)	2	2	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.						
	TYPE(1) in which the maximum applies on an individual seed basis per half litre. TYPE(1): Colocynth, Poppy (Field, Horned), Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Parthenium Weed** (QLD Only), Saffron Thistle,	0*	0*	0*	0*	0.*
WS1	Wild Poppy	8*	8*	8*	8*	8*
WS2	TYPE(2): Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Opium Poppy, Parthenium Weed** (NSW/VIC/SA), Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort	NIL	NIL	NIL	NIL	NIL
	TYPE(3a): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	2	2	2	2	2
	TYPE(3b): Vetch (Commercial), Vetch (Tare)	4 1 Pod /	4 1 Pod /	4 1 Pod /	4 1 Pod /	10 1 Pod /
	TYPE(3c): Heliotrope (Blue), Heliotrope (Common) *****Note: included in this Type are tolerances for seeds or pods.	4 Seeds	4 Seeds		4 Seeds	4 Seeds
	TYPE(3d): Double Gees / Spiny Emex / Three Cornered Jack TYPE(4): Bindweed (Field), Cutleaf Mignonette seeds, Darnel (Drake Seed), Hexham Scent/King Island Melilot*** (only acceptable if no tainting odour is	1	1	1	1	1
WS4	present), Hoary Cress, Mintweed, Nightshade, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20	20	20
	TYPE(5): Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane TYPE(6): Colombus Grass, Johnson Grass ****	40 NIL	40 NIL	40 NIL	40 40	40
WS7A	TYPE(0): Octombes creas, common creas TYPE(7a): Adzuki Beans, Broad Beans, Chickpeas, Clover, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Peas (Field), Medic Pods, Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter including broad bean. Includes Onion Weed Pods regardless of size	1	1	1	10	20
WS7B	TYPE(7b): 6 row barley, Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Musk Weed, Onion Weed, Phalaris Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed Pod (regardless of size) and any other foreign seed not specified in Types 1-7(a), Foreign Grain (GC9A), Variation A (GC9B), Variation B (GC9C) or in SFS.	50	50	50	150	300
	Foreign Grain: Wheat, Cereal Rye, Triticale, Rice, Cultivated Oats Variation A: Oats (Black or Wild)*****, Wild Radish Pods	85 25	85 25	85 25	500 50	1500 100
	Variation A: Oats (Black of Wild)*****, Wild Radish Pods Variation B: Barley with Coloured Aleurone Layer (Blue or Black). Also includes black hulled varieties.	25 NIL	25 NIL	NIL	100	100
SFS	Small Foreign Seeds maximum (% by weight) Foreign seeds not already specified in Types 1-9(c) that fall below the 2.2mm screen during the screenings process.	0.6%	0.6%	0.6%	1.2%	2.0%
	* Individual Seed Basis **Parthenium Weed is a NIL tolerance in NSW/VIC/SA *** Hexham Scent is only acceptable if no tainting	odour is pr	esent			
***** TYPE(6) limit in QLD is 40 per half litre for all barley grades         ****** Heliotrope pods must be opened and the seeds counted         ******Counted individually if clustered           Other Contaminants – Maximum tolerance as per method specified. Note: NIL tolerance applies to the entire load except where stated otherwise.         *******						
All Forei	ign Seed Pods not listed above such as those that are 5mm or less in diameter are included as Foreign Material, whether whole pods or part thereof. Foreign Material maximum (% by weight per half litre) - Other than already specified.					
FORM	Includes: Milk Thistle Pods, pieces of seed pods.	1%	1%	1%	1%	1%
PICK	Pickling Compounds maximum (entire load)	NIL	NIL	NIL	NIL	NIL
CHEM	Chemicals Not Approved for Barley maximum (entire load)	NIL	NIL	NIL	NIL	NIL
ERGC	Cereal Smut/Cereal Ergot maximum (entire load) - Includes: Ball and gall smut, other smut species, cereal ergots.	NIL	NIL	NIL	NIL	NIL
	Ryegrass Ergot maximum (length in cm when pieces are aligned per half litre)	0.5cm	0.5cm	0.5cm	0.5cm	0.5cm
LIVE	Stored Grain Insects and Pea Weevils: Live maximum (entire load)	NIL	NIL	NIL	NIL	NIL
INLG	Field Insects – Large, dead or alive (count per half litre) - Includes: Desiantha Weevil, Pea Weevil (dead only), Sitona Weevil, Rutherglen bugs, Ladybirds, Grasshoppers, Locusts and Wood Bugs, whole or parts thereof. These are insect contaminants of grain that do not cause damage to stored grains.         Field Insects – Small, dead or alive (count per half litre) - Includes: all species of Aphid, Minute Mould Beetle, Mites & stored grain insects (dead only).	3	3	3	3	3
INSM	These are insect contaminants of grain that do not cause damage to stored grains.	10	10	10	10	10
	Snails: Live or Dead maximum (count per half litre)	1	1	1	1	4
	Gumnuts maximum (count per 2.5L) - Whole or pieces of any size and maturity level Loose Smut maximum (weight in grams per half litre)	1 0.1	1 0.1	1 0.1	1 0.1	0.1
	Sand maximum (count per half litre)	50	50	50	50	50
	Earth maximum (count per half litre) - Defined as a clod of dirt, being 5mm or less in diameter.	3	3	3	3	3
STON	Stones maximum (g per 2.5L) - Maximum total weight of all stones retained above the 2.2mm and 2.5mm screens per 2.5L	4.0	4.0	4.0	4.0	4.0
OBJM	Objectional Material maximum (entire load) Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Sticks/Stubble (>3cm in length and/or 1cm in diameter), glass, concrete, metal, fertiliser, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, odour or taste	NIL	NIL	NIL	NIL	NIL