

BARLEY Receival Standards 2022/2023



These Standards apply to Barley Receivals for ALL Clients delivering into Emerald Grain and are to be applied on individual truck loads and must not be averaged over a number of loads

QUALITY PARAMETER		MALT 1	FOOD	MALT 2	MALT 3	BAR1	BAR2	BAR3	
GTA Standards CSG Number		20	20	21	22	10	11	Emerald Grain	
CATEGORY									
VARIETAL Purity	All Malting/Food varieties must be segregated and be of the current season	VR	95	95	95	95	All 2 Row Varieties		
PROTEIN	Min %	PR	9.0	9.0	9.0	9.0	N/A	N/A	N/A
	Max %	PR	12.0	12.0	12.0	12.8	N/A	N/A	N/A
MOISTURE	Max %	MO	12.5	12.5	12.5	12.5	12.5	12.5	12.5
TEST WEIGHT	Min kg/hl	TW	65.0	65.0	65.0	65.0	62.5	60.0	55.0
RETENTION	Above 2.50mm Agtator Screen	RT	70.0	70.0	62.0	58.0	N/A	N/A	N/A
SCREENINGS	Below 2.20mm Agtator Screen	SC	7.0	7.0	10.0	N/A	15.0	25.0	60.0
GERMINATIVE ENERGY	Min %	GE	95	95	95	95	N/A	N/A	N/A
Defective Grains (% by count per 100 grain sample unless otherwise stated)									
Shot	Max % by Count	SH	Nil	Nil	Nil	Nil	No Limit	No Limit	No Limit
Falling Number	Min Seconds	FN	300	300	300	300	N/A	N/A	N/A
The NIL Tolerance of Shot Grain does not apply if a Falling Number analysis is Conducted									
Sprouted	Max % by Count	SP	Nil	Nil	Nil	Nil	Nil	5	No Limit
Dark Tipped	Max % by Count	DC	10	10	10	10	N/A	N/A	N/A
Field Fungi	Max % by Count	FF	5	5	5	5	N/A	N/A	N/A
Skinnings	Max % by Count	SK	15	15	15	15	N/A	N/A	N/A
Insect Damaged	Max by Count per ½ Litre	ID	10	10	10	10	85	85	85
Cleaved	Max % by Count	CB	1	1	1	1	N/A	N/A	N/A
Broken (100g sample)	Max % by Weight	CK	2.0	2.0	2.0	2.0	5.0	5.0	10.0
Distorted	Max % by Count	FR	5	5	5	5	10	10	20
Dry Green or Sappy	Max % by Count	GB	1	1	1	1	N/A	N/A	N/A
Severely Damaged - Above 2.2mm Screen	Max by Count per ½ Litre	BB	1	1	1	1	2	5	5
Pink Fungal Staining	Max by Count per ½ Litre	PF	1	1	1	1	20	30	30
Foreign Seed Contaminants – Max (count of seeds in total per half litre unless otherwise stated)									
Foreign Grain: Wheat / Cereal Rye / Triticale / Rice / Cultivated Oats	Seeds in total per ½ litre	FG	85	85	85	85	500	1500	2000
Variation a: Wild Oats/ Wild Radish Pods	Seeds in total per ½ litre	BW	25	25	25	25	50	100	100
Variation b: Barley with Coloured Aleurone Layer (Blue/Black)	Entire Load	CA	Nil	Nil	Nil	Nil	100	100	100
Type 1: Colocynth, Field Poppy, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Jute, Wild Poppy, Horned Poppy, Saffron Thistle	Individual seeds per ½ litre	S1	8	8	8	8	8	8	12
Type 2: Caster Oil Plant, Coriander, Crow Garlic / Wild Garlic, Darling Pea, Opium Poppy, Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St Johns Wort, Parthenium Weed	Entire Load	S2	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Type 3a: Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head / Caltrop / Cats Heads, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	Seeds in total per ½ litre	3a	2	2	2	2	2	2	2
Type 3b: Vetch (Tare), Vetch (Commercial)	Seeds in total per ½ litre	3b	4	4	4	4	4	10	20
Type 3c: Heliotrope (Blue), Heliotrope (Common)	Seeds in total per ½ litre	3c	1 Pod 4 Seeds	1 Pod 4 Seeds	1 Pod 4 Seeds	1 Pod 4 Seeds	1 Pod 4 Seeds	1 Pod 4 Seeds	1 Pod 4 Seeds
Type 3d: Double Gees / Spiny Emex / Three Cornered Jack	Seeds in total per ½ litre	3d	1	1	1	1	1	1	1
Type 4: Field Bindweed, Cut-leaf Mignonette seeds, Darnel (Drake Seed), **Hexham Scent/Melilot (King Island), Hoary Cress, Paddy Melon, Variegated Thistle, Nightshades, Skeleton Weed, Mintweed **Hexham Scent is only acceptable if no tainting odour is present	Seeds in total per ½ litre	S4	20	20	20	20	20	20	30
Type 5: Creeping Knapweed / Russian Knapweed, Sesbania Pea, Patterson's Curse / Salvation Jane	Seeds in total per ½ litre	S5	40	40	40	40	40	40	50
Type 6: Columbus Grass, Johnson Grass	Seeds in total per ½ litre	S6	Nil	Nil	Nil	Nil	40	40	80
Type 7a: Adzuki Beans, Broad Bean, Chickpeas, Clover pods, Corn (Maize), Onion Weed pods, Cowpea, Faba Beans, Lentils, Lupin, Safflower, Soybean, Peas (Field), Medic Pods, Sunflower and any other seeds or pods greater than 5 mm in diameter	Seeds in total per ½ litre	7a	1	1	1	1	10	20	20
Type 7b: 6 Row Barley, Australian Bindweed, Black Bindweed, Brome Grass, Carrot Weed, Ryegrass on Stalk, Sheep Weed, Sorghum (grain), Three horn bedstraw, Turnip Weed pods, and any other foreign seeds not specified in Types 1-7(a), Foreign Gran, SFS or Variation (a or b)	Seeds in total per ½ litre	7b	50	50	50	50	150	300	500
Small Foreign Seeds: All Foreign Seeds not specified in Types 1-7(b), Foreign Grain, Variation (a or b) that fall below the 2.20mm screen during the Screenings process	Max % by Weight	SS	0.6	0.6	0.6	0.6	1.2	2.0	2.5
Other Contaminants									
Pickling Compounds	Entire Load	PI	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Chemicals Not Approved for Barley	Entire Load	CH	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Ryegrass Ergot – Total Length of all pieces laid end to end	Length in cm per ½ litre	RE	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Cereal Ergot / Cereal Smut	Entire Load	CE	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Stored Grain Insects & Pea Weevil – Live	Entire Load	LGI	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Insects – Large, dead or alive	Max Count per ½ litre	LI	3	3	3	3	3	3	3
Insects – Small, dead or alive – Included Dead Stored Grain Insects	Max Count per ½ litre	SI	10	10	10	10	10	10	10
Snails – dead or alive	Max Count per ½ litre	SN	1	1	1	1	1	4	10
Loose Smut	Max Weight per ½ litre	LS	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Sand – 0.06-2.20mm in size, includes Earth and Stones below 2.20mm Screen	Max Count per ½ litre	ES	50	50	50	50	50	50	50
Earth – Above 2.20mm Screen & 2.50mm Screen, Max 5mm in Diameter	Max Count per ½ litre	EA	3	3	3	3	3	3	3
Stones – Above 2.20mm Screen & 2.50mm Screen (weight in grams)	Max Weight per 2.5litres	SE	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Foreign Material (Other)	Max % by Weight	OF	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Objectionable Material	Entire Load	OM	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Sticks	A Stick is defined as ligneous material with dimensions of greater than 3cm in length and/or 1cm in diameter Smaller material is classified as Screenings or Foreign Material.								
Odour or Tainting Agents	Any commercially unacceptable odour is defined as a sour or musty odour imparted on the barley that is not considered natural which may or may not be physically detectable through the presence of foreign material. Included but is not limited to plant parts and seed of Eucalyptus spp.								
Restricted Animal Material	Presence of meat meal, bone meal, blood meal, poultry offal meal or any other animal proteins Restricted material also included carcasses or dead animals such as rats and mice								
Other	Animal excreta, glass, concrete, metal, fertilizer								
Water	The addition of water to grain prior to delivery is a prohibited practice								