

BARLEY Receival Standards 2019/2020



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 _(F1)	BAR2 _(F2)	BAR3 _(F3)	
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 %		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 2.5mm Agtator Screen	Min % by Weight	RT	70.0	70.0	62.0	58.0	N/A	N/A	N/A
SCREENINGS Below 2.2mm Agtator Screen	Max % by Weight	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 Grains	Max % by Count	SH	Nil	Nil	Nil	Nil	No Limit	No Limit	No Limit
Falling Number (FN)	Min Seconds	FN	300	300	300	300	N/A	N/A	N/A
Sprouted Grains	Max % by Count	SP	Nil	Nil	Nil	Nil	Nil	5	No Limit
The NIL Tolerance for Shot Grains does not apply if a Falling Number Analysis is conducted									
Dark Tipped	Max % by Count	DC	10.0	10.0	10.0	10.0	N/A	N/A	N/A
Field Fungi	Max % by Count	FF	5.0	5.0	5.0	5.0	N/A	N/A	N/A
Skinnings	Max % by Count	SK	15.0	15.0	15.0	15.0	N/A	N/A	N/A
Insect Damaged	Max by Count per 1/2 Litre	ID	10	10	10	10	85	85	85
Cleaved	Max % by Count	CB	1.0	1.0	1.0	1.0	N/A	N/A	N/A
Broken Grains	Max % by Weight per 100grams	CK	2.0	2.0	2.0	2.0	5.0	5.0	10.0
Distorted	Max % by Count	FR	5.0	5.0	5.0	5.0	10.0	10.0	20.0
Dry Green or Sappy	Max % by Count	GB	1.0	1.0	1.0	1.0	N/A	N/A	N/A
Severely Damaged	Max by Count per 1/2 Litre	BB	1	1	1	1	2	5	5
Pink Fungal Stained Grains	Max by Count per 1/2 Litre	PF	1	1	1	1	20	30	30
CONTAMINANTS									
Wheat / Cereal Rye / Triticale / Rice / Cultivated Oats	Max by Count per 1/2 Litre	FG	85	85	85	85	500	1500	2000
Wild Oats / Wild Radish	Max by Count per 1/2 Litre	BW	25	25	25	25	50	100	100
Barley with Coloured Aleurone Layer (Blue / Black)	Entire load	CA	Nil	Nil	Nil	Nil	100	100	100
Foreign Seed Contaminants									
Max (count per half litre unless otherwise stated)									
Type 1* Field Poppy, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Saffron Thistle, Jute, Wild Poppy, Colocynth, Horned Poppy,	Individual seeds per 1/2 litre	S1*	8	8	8	8	8	8	12
Type 2 Castor Oil Plant, Coriander, Crow Garlic / Wild Garlic, Darling Pea, Peanut seeds and pods, Ragweed Rattlepods, Starburr, St John's Wort, Opium Poppy, 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 1/2 litre	3a	2	2	2	2	2	2	2
Type 3b Vetch (Tare), Vetch (Commercial)	Seeds in total per 1/2 litre	3b	4	4	4	4	4	10	20
Type 3c Blue Heliotrope, Common Heliotrope. Included in this type are tolerances for Seeds and Pods	Seeds in total per 1/2 litre	3c	1Pod/4 Seeds	1Pod/4 Seeds	1Pod/4 Seeds	1Pod/4 Seeds	1Pod/4 Seeds	1Pod/4 Seeds	1Pod/4 Seeds
Type 3d Double Gee / Spiny Emex / Three Corner Jack,	Seeds in total per 1/2 litre	3d	1	1	1	1	1	1	1
Type 4 Field Bindweed, Cutleaf Mignonette Seeds, Darnel (Drake Seed), **Hexham Scent/ Mellilot (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 1/2 litre	S4	20	20	20	20	20	20	30
Type 5 Creeping Knapweed / Russian Knapweed, Sesbania Pea, Pattersons Curse / Salvation Jane	Seeds in total per 1/2 litre	S5	40	40	40	40	40	40	50
Type 6 Columbus Grass, Johnson Grass,	Seeds in total per 1/2 litre	S6	Nil	Nil	Nil	Nil	40	40	80
Type 7a Adzuki Beans, Broad Bean, Chickpea, Corn (Maize), Cowpea, Faba Bean, Medic Pod, Lentil, Lupin, Safflower, Soybean, Pea (Field), Sunflower, Clover Pod, Onion Weed Pods and any other seed or pod greater than 5 mm in diameter	Seeds in total per 1/2 litre	7a	1	1	1	1	10	20	20
Type 7b 6 Row Barley (white), Australian Bindweed, Brome Grass, Black Bindweed, Onion Weed, Sorghum (grain), Turnip Weed, Muskweed, Phalaris Glumes, Poverty Weed, Ryegrass on Stalk, Sheep Weed, Three Horned Bedstraw and any other foreign seeds not specified in types 1-7	Seeds in total per 1/2 litre	7b	50	50	50	50	150	300	500
Small Foreign Seeds not specified in Types 1-7b Below 2.2mm Agtator Screen	Max % by Weight	SS	0.6	0.6	0.6	0.6	1.2	2.0	2.5
All Foreign 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.									
Other Contaminants									
Pickling Compounds	Entire Load	PI	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Chemical Residues	Entire Load	CR	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Ryegrass Ergot - Total Length of all pieces laid end to end	Length in cm per 1/2 litre	RE	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Cereal Smut	Entire Load	SM	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Loose Smut	Max Grams per 1/2 litre	LS	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cereal Ergot	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
Field Insects - Large - Live or Dead	Max Count per 1/2 litre	LI	3	3	3	3	3	3	3
Field Insects - Small - Live or Dead - Includes Dead Stored Grain Insects	Max Count per 1/2 litre	SI	10	10	10	10	10	10	10
Snails Round/Conical - Live or Dead	Max Count per 1/2 litre	SN	1	1	1	1	1	4	10
Sand Max	Max Count per 1/2 litre	ES	50	50	50	50	50	50	50
Earth Max - Max 5mm in Diameter	Max Count per 1/2 litre	EA	3	3	3	3	3	3	3
Stones Max (weight in grams)	Max Weight per 2.5 litres	SE	4.0 grams	4.0 grams	4.0 grams	4.0 grams	4.0 grams	4.0 grams	4.0 grams
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)	Entire Load	OM	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Sticks	A Stick is defined as ligneous material greater than 1cm in length and 0.5cm in diameter Note: Stubble greater than 3cm in length and 1 cm in diameter is defined as a stick Smaller material is defined as Other 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. Includes 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 includes carcasses of dead animals such as rats and mice								
Other	Foreign material such as animal excreta, glass, concrete, metal or fertilizer								
Water	The addition of water to grain prior to delivery is a prohibited practice								