

BARLEY Receival Standards 2017/2018



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	F1	F2	F3	
GTA Standards CSG Number:		20	20	21	22	10	11	Emerald Grain	
CATEGORY									
1	VARIETAL PURITY All Malting/Food varieties must be segregated and be of the current Season	VR	95	95	95	95	All 2 Row Varieties		
2	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
3	MOISTURE								
	Max %	MO	12.5	12.5	12.5	12.5	12.5	12.5	12.5
4	TEST WEIGHT								
	Min kg/hl	TW	65.0	65.0	65.0	65.0	62.5	60.0	55.0
5	RETENTION Above 2.5mm Agtator Screen								
	Min % by Weight	RT	70.0	70.0	62.0	58.0	N/A	N/A	N/A
6	SCREENINGS Below 2.2mm Agtator Screen								
	Max % by Weight	SC	7.0	7.0	10.0	N/A	15.0	25.0	60.0
7	GERMINATIVE ENERGY								
	Min %	GE	95	95	95	95	N/A	N/A	N/A
8	GERMINATIVE CAPACITY								
	Min %	GC	98	98	98	98	N/A	N/A	N/A
9	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
	Rapid Viscosity Analyser (RVA)								
	Min Unit	RV	130	130	130	130	N/A	N/A	N/A
	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 or RVA 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
	Skinings								
	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
10	CONTAMINANTS								
	Wheat / Cereal Rye / Triticale / Rice / Cultivated Oats								
	Max by Count per 1/2 Litre	FG	85	85	85	85	500	1500	2000
	Variation a. Wild Oats / Wild Radish								
	Max by Count per 1/2 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
11	Foreign Seed Contaminants								
	Max (count per half litre unless otherwise stated)								
	Type 1* Field Poppy, Long Head Poppy, Mexican, New Zealand Spinach, Saffron Thistle, Jute, Wild Poppy, Colocynth, Parthenium Weed, 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								
	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/ 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 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 Broad Bean, Chickpea, Corn (Maize), Cowpea, Faba Bean, Medic Pod, Lentil, Lupin, Safflower, Soybean, Pea (Field),Sunflower, Clover Pod 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.								
12	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	2	2	2	2	2	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
13	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								