

2023/24 Barley Receival Standards Limits



* Direct any queries regarding these Receival standards to the local CBH Quality Senior Specialist.
 * Copies of the most up to date Receival standards can be downloaded from LoadNet®.
 * To deliver as Malt, Varietal Purity should be equal to or greater than 95%

DATE: 14/11/2023

		NOTE: Not all grades are available at all sites			
		MALT1	BFED1	BFDEC	BFEDX
2. INFRATEC ANALYSIS					
Protein	Minimum %	9.5	No Limit	No Limit	No Limit
Protein	Maximum %	12.8	No Limit	No Limit	No Limit
Moisture Content	Maximum %	12.5	13.5	13.5	13.5
Colour	Minimum %	No Limit	No Limit	No Limit	No Limit
Temperature	Maximum %	45	50	50	50
3. HECTOLITRE WEIGHT					
Hectolitre Weight	(kg/hl) (minimum)	64.0	56.0	56.0	46.0
Hectolitre Weight	(grams) (minimum)	320.0	280.0	280.0	230.0
4. FOREIGN MATERIAL ASSESSMENT- HALF LITRE					
REMOVE AND WEIGH		Maximum Weight			
Radish Pods	Includes radish pods, serradella pods and other plant material not listed in this Standard	0.4g	4.0g	4.0g	4.0g
Head Smut/Smuted Grain	Irregular shaped brownish/black lump which easily breaks into pieces. Includes clean barley covered in spores	0.1g	0.2g	0.2g	0.2g
Unmillable Material	Stones in grams (to be added to any sand found in bottom tray after screenings)	0.3g	0.3g	0.3g	0.3g
REMOVE AND COUNT		Maximum Count			
Type 1 Seeds	Sunflower, Safflower, Variegated Thistle	1	1	1	1
Type 2 Seeds	Lupins, Field Peas, Vetch, Faba Beans, Chick Peas	1	20	20	20
Type 3 Seeds	Doublegees	1	20	20	20
Type 4 Seeds	Saffron Thistle, Paddy Melon	5	50	50	50
Snail Shells	Live or Dead, more than half a snail shell	NIL	1	1	15
Fusarium Affected Barley	Light weight, white and chalky appearance and may have a red to orange discolouration on the kernel surface	NIL	NIL	NIL	1
Sappy Material	Any material including barley that is soft and moist when pressed. May or may not be green.	30	50	50	50
Severely Damaged	Mould, heat damaged/burnt or other serious visual defects.	1	1	1	1
Dry Green Barley	Barley surface is distinctly green and grain is dry and hard	30	No Limit	No Limit	No Limit
Sprouted Barley	Visible evidence of shoot or root system beginning to emerge from the germ	Nil	10	10	10
Field Insects	Whole bodies, live or dead. Grasshoppers, ladybirds, woodbugs, pea/native weevils, armyworms, bronzed field beetles, earwigs	15	15	15	15
REMOVE AND MEASURE		Maximum Weight			
Sticks	Includes Faba Bean and Canola Stalks	Maximum Length	6 cm	6 cm	6 cm
Sticks		Maximum Diameter	1 cm	1 cm	1 cm
5. SCREEN YOUR GRAIN					
Fit the 2.5mm Barley screen onto the 2.2mm Barley screen, fit to the bottom tray then to the Agtator. Ensure both coloured strips on the screens are centred to align the slots.					
6. BLACK PLASTIC MEASURE ASSESSMENTS (FROM BUCKET)					
6.1 ONE BLACK PLASTIC MEASURE (400 GRAINS)		Maximum Count			
Heavily Discoloured	Staining is dark in appearance and affects more than the germ end	10	No Limit	No Limit	No Limit
Spotted/Field Fungi Affected	Black spotting or grey surface discolouration greater than 10% of the grain surface	20	No Limit	No Limit	No Limit
Germ End Staining	Distinct dark brown to black discolouration on the germ end equal to or greater than 1mm	30	No Limit	No Limit	No Limit
Pink Fungal Stained Barley	Orange, pink or red discolouration found anywhere on the surface of the kernel. Grains appear otherwise healthy.	Nil	1	1	10
Distorted Kernels	Grains that have collapsed on the dorsal side	20	45	45	No Limit
Blue/Black Kernels	Kernels have a blue or black colour under the bran layer. Also includes black-hulled varieties.	Nil	4	4	40
6.2 TWO BLACK PLASTIC MEASURES (800 GRAINS)		Maximum Count			
Insect Damaged Grain	Any visible insect damage penetrating through to the white endosperm	4	No Limit	No Limit	No Limit
Type 7A Seeds	Oats, Wild Oats, Black/Brown Oats, Speargrass	6	40	40	40
Type 7B Seeds	Clover Burr, Medic, Marshmallow and any other seed not mentioned in this Standard	8	40	40	40
Type 6 Seeds	Wheat, Triticale, Cereal Rye	8	80	80	120
7. RETENTION & 2.2MM SCREENINGS ASSESSMENT					
Retention	2.5mm BARLEY SCREEN (40 shakes) - All material remaining on top of screen is captured as retention	Minimum % of 1/2L	80.0	No Limit	No Limit
2.2mm Screenings	2.2mm BARLEY SCREEN (40 Shakes) - All material in the bottom tray is captured as screenings	Maximum % of 1/2L	No Limit	No Limit	No Limit
8. ASSESSMENT AFTER RETENTION					
8.1 RYEGRASS ERGOT		Maximum Count			
Type 5 Seeds	Drakeseed	10	100	100	100
Dead Grain Insects		10	10	10	10
Live Fungus Beetles		Nil	1	1	1
8.2 RYEGRASS ERGOT		Maximum Length			
Ryegrass Ergot	Purple to black fungal body with white inside, hard and fractures easily	3cm	3cm	3cm	5cm
8.3 SMALL FOREIGN SEEDS ASSESSMENT					
8.4 UNMILLABLE MATERIAL		Maximum Weight			
Small Foreign Seeds	Ryegrass, Canary Seed, Turnip, Canola, Dock Seed, Radish Seed, Serradella Seed	1%	2%	2%	2%
Unmillable Material	Grams of Sand and Stones - includes any unmillable material removed from 1/2L	0.3gms	0.3gms	0.3gms	0.3gms
9. OTHER FOREIGN MATERIAL ASSESSMENT					
9.1 OTHER FOREIGN MATERIAL		Maximum % of 1/2L			
Other Foreign Material	Includes pieces of Snail Shell (less than half an entire shell), pieces of Stored Grain Insects (not whole) Pieces of Insects Large/ Small and pieces of static flower and any other non-vegetative material not listed.	0.1%	0.2%	0.2%	0.2%
10. 100 SEED TRAY ASSESSMENT (MALT grades only, not required on malt grades going BFED1)					
10.1 6 ROW BARLEY		Maximum Limit			
6 Row Barley	Different varieties of Barley identified by longer, thinner shape and twisted crease	5	No Limit	No Limit	No Limit
Skinned and Broken	Skinned: 1/3 or more total surface area of the husk missing OR missing/damaged husk on the germ end OR germ has been removed. Broken: 1/3 or more missing from the kernel	10	No Limit	No Limit	No Limit
Cleaved Barley	Split along crease or on the dorsal, ventral or side of grain exposing white endosperm	1	No Limit	No Limit	No Limit