2026/27 Barley Visual Analysis Receival Standards Limits

* Direct any queries regarding these Receival standards to the local CBH Quality.
* These standards are applicable to the Visual Analysis Machine.
* To deliver as Malt, Varietal Purity must be equal to or greater than 95%

Date: 22/09/2026

NOTE: Not all grades are available at all sites

2. INFRATEC ANALYSIS			MALT1	BFED1	BFDEC
Protein		**Minimum %**	9.5	No Limit	No Limit
Protein		**Maximum %**	12.8	No Limit	No Limit
Moisture Content		**Maximum %**	12.5	13.5	13.5
Colour		**Minimum %**	No Limit	No Limit	No Limit
Temperature		**Maximum %**	45	50	50
3B. HECTOLITRE WEIGHT					
Hectolitre Weight		**(kg/hl) (minimum)**	64.0	56.0	56.0
Hectolitre Weight		**(grams) (minimum)**	320.0	280.0	280.0
4. FOREIGN MATERIAL PHYSICAL ASSESSMENT- HALF LITRE (SAMPLER ASSESSMENT)			**Maximum Weight**		
REMOVE AND WEIGH			**MALT1**	**BFED1**	**BFDEC**
Radish Pods	Includes radish pods, serradella pods and other plant material not listed in this Standard		0.4g	4.0g	4.0g
Unmillable Material	Stones in grams (to be added to any sand found in bottom tray after screenings)		0.3g	0.3g	0.3g
Head Smut/Smutted Grain	Irregular shaped brownish/black lump which easily breaks into pieces. Includes clean barley covered in spores		0.1g	0.2g	0.2g
REMOVE AND COUNT (SAMPLER ASSESSMENT)			**Maximum Count**		
Fusarium Affected Barley	Light weight, white and chalky appearance and may have a red to orange discolouration on the kernel surface		NIL	NIL	NIL
Field Insects	Whole bodies, live or dead. Grasshoppers, ladybirds, woodbugs, pea/native weevils, armyworms, bronzed field beetles, earwigs		15	15	15
Severely Damaged	Mould, heat damaged/burnt or other serious visual defects.		1	1	1
Sprouted Barley	Visible evidence of shoot or root system beginning to emerge from the germ		Nil	10	10
REMOVE AND MEASURE (SAMPLER ASSESSMENT)			**Maximum Limits**		
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 (SAMPLER ASSESSMENT)					

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. RETENTION & 2.2MM SCREENINGS ASSESSMENT - WEIGH (SAMPLER ASSESSMENT)			MALT1	BFED1	BFDEC
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
7. ASSESSMENT AFTER RETENTION (SAMPLER ASSESSMENT)					
7.1 RYEGRASS ERGOT			**Maximum length**		
Ryegrass Ergot	Purple to black fungal body with white inside, hard and fractures easily		3cm	3cm	3cm
7.2 SEEDS, DEAD GRAIN INSECTS AND FUNGUS BEETLES (SAMPLER ASSESSMENT)			**Maximum count**		
Dead Grain Insects			10	10	10
Type 5 Seeds	Drakeseed		10	100	100
Live Fungus Beetles			Nil	1	1
7.3 SMALL FOREIGN SEEDS ASSESSMENT			**Maximum Weight**		
Small Foreign Seeds	Ryegrass, Canary Seed, Turnip, Canola, Dock Seed, Radish Seed, Serradella Seed		1%	2%	2%
7.4 UNMILLABLE MATERIAL					
Unmillable Material	Grams of Sand and Stones - includes any unmillable material removed from 1/2L		0.3gms	0.3gms	0.3gms
8. OTHER FOREIGN MATERIAL ASSESSMENT			**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 statice flower and any other non-vegetative material not listed.		0.1%	0.2%	0.2%

3A. VISUAL ANALYSIS ASSESSMENTS - Machine Assessments		MALT1	BFED1	BFDEC
BASED ON- Half Litre Assessment - HALF LITRE (Machine Assessment)		**Maximum Limits**		
Type 2 Seeds	Lupins	1	20	20
Type 3 Seeds	Doublegees	1	20	20
Dry Green Barley	Barley surface is distinctly green and grain is dry and hard including sappy barley	30	No Limit	No Limit
Snail Shells	Live or Dead, more than half a snail shell, fragements are acceptable	NIL	1	1
BASED ON - ONE BLACK PLASTIC MEASURE (400Grains) (Machine Assssment)		**Maximum Count**		
Heavily Discoloured	Staining is dark in appearance and affects more than the germ end	10	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
Germ End Staining	Distinct dark brown to black discolouration on the germ end equal to or greater than 1mm	30	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
Distorted Kernels	Grains that have collapsed on the dorsal side	20	45	45
BASED ON - TWO BLACK PLASTIC MEASURES (800 GRAINS) (Machine Assessment)		**Maximum Count**		
Type 7A Seeds	Oats, Wild Oats, Black/Brown Oats, Speargrass	6	40	40
Type 7B Seeds	Marshmallow	8	40	40
Type 6 Seeds	Wheat, Cereal Rye	8	80	80
BASED ON- 100 SEED TRAY ASSESSMENT (MALT grades only, not required on malt grades going BFED1) (Machine Assessment)		**Maximum 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
Cleaved Barley	Split along crease or on the dorsal, ventral or side of grain exposing white endosperm	1	No Limit	No Limit