

2021/22 Barley Receival Standards Limits



* Direct any queries regarding these Receival standards to the local CBH Quality Coordinator.
 * 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: 15/10/2021

NOTE: Not all grades are available at all sites

	MALT1	BFED1/ BFDEC	BFED2	BFED3	BFEDX
2. INFRADEC ANALYSIS					
Protein (minimum %)	9.5	No Limit	No Limit	No Limit	No Limit
Protein (maximum %)	12.8	No Limit	No Limit	No Limit	No Limit
Moisture Content (maximum %)	12.5	13	13	13	13
Colour (minimum)	56	51	No Limit	No Limit	No Limit
Temperature (maximum) Temperature limit only applicable to grain that has been dried	45	50	50	50	50
3. HECTOLITRE WEIGHT					
Hectolitre Weight (kg/hl) (minimum)	64.0	56.0	56.0	54.0	46.0
Hectolitre Weight (grams) (minimum)	320.0	280.0	280.0	270.0	230.0
4. FOREIGN MATERIAL ASSESSMENT- HALF LITRE					
REMOVE AND WEIGH					
Radish Pods (maximum) Includes radish pods, serradella pods and other plant material not listed in this Standard	0.4g	4.0g	4.0g	4.0g	4.0g
Head Smut/Smuttled Grain (maximum) Irregular shaped brownish/black lump which easily breaks into pieces. Includes clean barley covered in spores	0.1g	0.2g	0.2g	0.2g	0.2g
Unmillable Material (maximum) Stones in grams (to be added to any sand found in bottom tray after screenings)	0.3g	0.3g	0.3g	0.3g	0.3g
REMOVE AND COUNT					
Type 1 Seeds (maximum) Sunflower, Safflower, Variegated Thistle	1	1	1	1	1
Type 2 Seeds (maximum) Lupins, Field Peas, Vetch, Faba Beans, Chick Peas	1	20	20	20	20
Type 3 Seeds (maximum) Doublegees	1	20	20	20	20
Type 4 Seeds (maximum) Saffron Thistle, Paddy Melon	5	50	50	50	50
Snail Shells (maximum) Live or Dead, more than half a snail shell	NIL	1	10	15	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	1
Sappy Material (maximum) Any material including barley that is soft and moist when pressed. May or may not be green.	30	50	50	50	50
Severely Damaged Grains (maximum) Mould, heat damaged/burnt or other serious visual defects. Grain appears dark brown or blackened, including under the husk	1	1	1	1	1
Dry Green Barley Grains (maximum) Barley surface is distinctly green and grain is dry and hard	30	No Limit	No Limit	No Limit	No Limit
Sprouted Barley (maximum) Visible evidence of shoot or root system beginning to emerge from the germ	Nil	10	10	10	10
Field Insects (maximum) Whole bodies, live or dead. Grasshoppers, ladybirds, woodbugs, pea/native weevils, armyworms, bronzed field beetles, earwig	15	15	15	15	15
REMOVE AND MEASURE					
Sticks (maximum length)	6 cm	6 cm	6 cm	6 cm	6 cm
Sticks (maximum diameter) Includes Faba Bean and Canola Stalks	1 cm	1 cm	1 cm	1 cm	1 cm
5. RETENTION & 2.2MM SCREENINGS ASSESSMENT					
Retention (minimum % of 1/2L) 2.5mm BARLEY SCREEN (40 shakes) - ALL MATERIAL REMAINING ON TOP OF THE SCREEN IS CAPTURED AS RETENT	80.0	No Limit	No Limit	No Limit	No Limit
2.2mm Screenings (maximum % of 1/2L) 2.2mm BARLEY SCREEN (40 Shakes) - ALL MATERIAL IN THE BOTTOM TRAY	No Limit	No Limit	No Limit	No Limit	No Limit
6. BLACK PLASTIC MEASURE ASSESSMENTS (FROM BUCKET)					
6.1 ONE BLACK PLASTIC MEASURE (400 GRAINS)					
Heavily Discoloured Staining is dark in appearance and affects more than the germ end	10	No Limit	No Limit	No Limit	No Limit
Spotted/Field Fungi Affected Only (maximum) Black spotting or grey surface discolouration greater than 10% of the grain surface	20	No Limit	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	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	5	10	10
Distorted Kernels (maximum) Grains that have collapsed on the dorsal side	20	45	80	No Limit	No Limit
Blue/Black Kernels (maximum) Kernels have a blue or black colour under the bran layer. Also includes black-hulled varieties.	Nil	4	40	40	40
6.2 TWO BLACK PLASTIC MEASURES (800 GRAINS)					
Insect Damaged Grain Any visible insect damage penetrating through to the white endosperm	4	No Limit	No Limit	No Limit	No Limit
Type 7A Seeds (maximum) Oats, Wild Oats, Black/Brown Oats, Speargrass	6	40	40	40	40
Type 7B Seeds (maximum) Clover Burr, Medic, Marshmallow and any other seed not mentioned in this Standard	8	40	40	40	40
Type 6 Seeds (maximum) Wheat, Triticale, Cereal Rye	8	80	80	120	120
7. ASSESSMENT AFTER RETENTION					
7.1 SEEDS, DEAD GRAIN INSECTS AND FUNGUS BEETLES					
Type 5 Seeds (maximum) Drakeseed	10	100	100	100	100
Dead Grain Insects (maximum)	10	10	10	10	10
Live Fungus Beetles (maximum)	Nil	1	1	1	1
7.2 RYEGRASS ERGOT					
Ryegrass Ergot (maximum length) Purple to black fungal body with white inside, hard and fractures easily	3cm	3cm	5cm	5cm	5cm
7.3 SMALL FOREIGN SEEDS ASSESSMENT					
Small Foreign Seeds (maximum % of 1/2L) Ryegrass, Canary Seed, Turnip, Canola, Dock Seed, Radish Seed, Serradella Seed	1%	2%	2%	2%	2%
7.4 UNMILLABLE MATERIAL					
Unmillable Material (maximum g) Grams of Sand and Stones - includes any unmillable material removed from 1/2L	0.3g	0.3g	0.3g	0.3g	0.3g
8. OTHER FOREIGN MATERIAL ASSESSMENT					
Other Foreign Material (maximum % of 1/2L) 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%	0.2%
9. 100 SEED TRAY ASSESSMENT (MALT VARIETIES ONLY)					
6 Row Barley (maximum) Different varieties of Barley identified by longer, thinner shape and twisted crease	5	No Limit	No Limit	No Limit	No Limit
Skinned and Broken (maximum) 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	No Limit
Cleaved Barley (maximum) Split along crease or on the dorsal, ventral or side of grain exposing white endosperm	1	No Limit	No Limit	No Limit	No Limit