

# GRAINPRO SOLUTIONS – BARLEY RECEIVAL STANDARDS 2024/25

CODE	DESCRIPTION	MALT 1	MALT 3	BAR1	BAR2	BAR3
MOGR	Moisture Maximum (%)	12.5	12.5	12.5	12.5	12.5
PRGR	Protein Minimum (%)	9	9	N/L	N/L	N/L
	Protein Maximum (%)	12	12	N/L	N/L	N/L
TWT	Test Weight Minimum (kg/ha)	65	65	62.5	60	55
RET	Retention minimum (% by weight) Above 2.5mm Agtator screen	70	62	N/L	N/L	N/L
SCRN	Screenings maximum (% by weight) Below 2.2mm Agtator screen	7	10	15	25	60
GE72	Germination	95	95	N/L	N/L	N/L
FALL	Falling Numbers Minimum (seconds)	300	300	N/L	N/L	N/L
<b>Defective Grains – Maximum tolerance as per method specified.</b>						
SHOT	Shot maximum (% by count per 100 Grain Sample) - Note: The NIL tolerance for shot grains does not apply if a Falling Number analysis is conducted.	NIL	NIL	N/L	N/L	N/L
SPRO	Sprouted maximum (% by count per 100 Grain Sample) - Any visible evidence of the shoot or root system beginning to emerge from the germ. Note: NIL tolerance for sprouted grains does not apply to malt grades if a Falling Number analysis is conducted.	NIL	NIL	NIL	5	N/L
BTIP	Dark Tipped (% by count per 100 Grain Sample)	10	10	N/L	N/L	N/L
FFUN	Field Fungi maximum (% by count per 100 Grain Sample) Seed coat has the appearance of black spotting occurring anywhere on the grain. Coverage greater than approximately 10% of the grain surface is considered defective, otherwise classified as sound. Grey surface discoloration of the kernel. Does not include Severely Damaged.	5	5	N/L	N/L	N/L
SKIN	Skinnings maximum (% by count per 100 Grain Sample)	15	15	N/L	N/L	N/L
CLD	Cleaved maximum (% by count per 100 Grain Sample) - A split on any part of the grain that exposes the white endosperm.	1	1	N/L	N/L	N/L
DIST	Distorted maximum (% by count per 100 Grain Sample) - Grain which is collapsed on the dorsal side. Grains may appear orange in colour.	5	5	10	10	20
GREE	Dry Green or Sappy maximum (% by count per 100 Grain Sample)	1	1	N/L	N/L	N/L
PFUN	Pink Fungal Maximum (count per half litre)	1	1	20	30	30
DAMI	Insect Damaged maximum (count per half litre)	10	10	85	85	85
SEVE	Severely Damaged maximum (count per half litre above 2.2mm and 2.5mm screens) Mould, heat damaged / burnt, diseased or other serious visual defects. Grains that have become severely discoloured. Grains appear dark brown, or in severe cases, blackened. May also appear discoloured under the husk on the kernel. Does not include Field Fungi.	1	1	2	5	5
BKN	Broken maximum (% by weight per 100g Sample)	2	2	5	5	10
<b>Foreign Seed Contaminants – Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total seeds named in each type per half litre. Except TYPE(1) in which the maximum applies on an individual seed basis per half litre.</b>						
WS1	TYPE(1): Colocynthis, Poppy (Field, Horned), Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Parthenium Weed** (QLD Only), Saffron Thistle, Wild Poppy	8*	8*	8*	8*	12*
WS2	TYPE(2): Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Opium Poppy, Parthenium Weed** (NSW/VIC/SA), Pea nut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort	NIL	NIL	NIL	NIL	NIL
WS3A	TYPE(3a): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	2	2	2	2	2
WS3B	TYPE(3b): Vetch (Commercial), Vetch (Tare)	4	4	4	10	20
WS3C	TYPE(3c): Heliotrope (Blue), Heliotrope (Common) *****Note: included in this Type are tolerances for seeds or pods.	1 Pods/ 4 Seeds	1 Pods/ 4 Seeds	1 Pods/ 4 Seeds	1 Pods/ 4 Seeds	1 Pods/ 4 Seeds
WS3D	TYPE(3d): Double Gees / Spiny Emex / Three Cornered Jack	1	1	1	1	1
WS4	TYPE(4): Bindweed (Field), Cutleaf Mignonette seeds, Darnel (Drake Seed), Hexham Scent/King Island Melilot*** (only acceptable if no tainting odour is present), Hoary Cress, Mintweed, Nightshade, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20	20	30
WS5	TYPE(5): Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane	40	40	40	40	50
WS6	TYPE(6): Colombus Grass, Johnson Grass ****	NIL	NIL	40	40	80
WS7A	TYPE(7a): Adzuki Beans, Broad Beans, Chickpeas, Clover, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Peas (Field), Medic Pods, Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter including broad bean. Includes Onion Weed Pods regardless of size	1	1	10	20	20
WS7B	TYPE(7b): 6 row barley, Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Musk Weed, Onion Weed, Phalaris Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed Pod (regardless of size) and any other foreign seed not specified in Types 1-7(a), Foreign Grain (GC9A), Variation A (GC9B), Variation B (GC9C) or in SFS.	50	50	150	300	500
GC9A	Foreign Grain: Wheat, Cereal Rye, Triticale, Rice, Cultivated Oats (Common)	85	85	500	1500	2000
GC9B	Variation A: Oats (Black or Wild)*****, Wild Radish Pods	25	25	50	100	100
GC9C	Variation B: Barley with Coloured Aleurone Layer (Blue or Black). Also includes black hulled varieties.	NIL	NIL	100	100	100
SFS	Small Foreign Seeds Maximum (% by weight) Foreign seeds not already specified in Types 1-7(b) that fall below the 2.0mm screen during the screening process.	0.60%	0.60%	1.20%	2.00%	2.50%
* Individual Seed Basis **Parthenium Weed is a NIL tolerance in NSW/VIC/SA *** Hexham Scent is only acceptable if no tainting odour is present **** TYPE(6) limit in QLD is 40 per half litre for all barley grades ***** Heliotrope pods must be opened and the seeds counted *****Counted individually if clustered						
<b>Other Contaminants – Maximum tolerance as per method specified. Note: NIL tolerance applies to the entire load.</b>						
FORM	Foreign Material maximum (% by weight per half litre) - Other than already specified. Includes: Milk Thistle Pods, pieces of seed pods.	1%	1%	1%	1%	1%
PICK	Pickling Compounds Maximum (entire load)	NIL	NIL	NIL	NIL	NIL
CHEM	Chemicals Not Approved for Wheat Maximum (entire load)	NIL	NIL	NIL	NIL	NIL
ERGR	Ryegrass Ergot Maximum (length in cm when pieces are aligned per half litre)	NIL	NIL	NIL	NIL	NIL
ERGW	Cereal Ergot Maximum (count per half litre)	0.5cm	0.5cm	0.5cm	0.5cm	0.5cm
LIVE	Stored Grain Insects and Pea Weevils: Live Maximum (entire load)	NIL	NIL	NIL	NIL	NIL
INLG	Field Insects – Large, dead or alive Maximum (count per half litre) Includes: Pea Weevil (dead only), Sitona weevil, Rutherglen bugs, ladybirds, grasshoppers and wood bugs, whole or parts thereof. These are insect contaminants of grain that do not cause damage to stored grain	3	3	3	3	3
INSM	Field Insects – Small, dead or alive Maximum (count per half litre) Includes: All species of aphid, minute mould beetles, mites and stored grain insects (dead only). These are insect contaminants of grain that do not cause damage to stored grains.	10	10	10	10	10
SNAL	Snails (Live or Dead) Maximum (count per half litre) – Whole or pieces of any size and maturity level	1	1	1	4	10
GUMN	Gumnuts Maximum (count per 2.5L)	1	1	1	1	1
LSMT	Loose Smut Maximum (count per half litre)	0.1	0.1	0.1	0.1	0.1
SAND	Sand Maximum (count per half litre)	50	50	50	50	50
EART	Earth Maximum (count per half litre) – Defined as a clod of dirt, being 5mm or less in diameter.	3	3	3	3	3
STON	Stones (g per 2.5L above 2.0mm screen) – Maximum weight of all Stones retained above 2.0mm screen per 2.5L.	4.0	4.0	4.0	4.0	4.0
OBJM	Objectional Material Maximum (entire load) Presences of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Sticks/stubble (>3cm in length and 1cm in diameter), glass, concrete, metal, fertiliser, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, odour or taste.	NIL	NIL	NIL	NIL	NIL

## Disclaimer for GrainPro Receival Standards

GrainPro Receival Standards are general guidelines for grain quality assessment. They may change without notice, and GrainPro Solutions accepts no liability for losses from their use. Growers should verify the latest standards and consult GrainPro for specific requirements.

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