

# WHEAT STANDARDS 2021-2022

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### Varietal Restrictions

Varietal restrictions apply to the grades on this chart. A variety must not be binned above its maximum allowable varietal classification (APH2 > H1/H2 > APW1 > ASW1 > AGP1 > FED1). Only APH2 and H1/H2 varieties may be binned in AUH2 & HPS1. H1 segregations are only offered in the southern division.

THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

These standards are to be applied on individual truck loads and must not be averaged over a number of loads.  
Segregations indicated on this chart are only available where announced.

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Test Code	Binned Grade	APH2	H1	H2	AUH2	APW1	ASW1	AGP1	HPS1	SFW1	FED1
MOGR	Moisture Maximum (%)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
PRGR	Protein Minimum (%)	13.0	13.0	11.5	11.5	10.5	No Limit	No Limit	11.5	No Limit	No Limit
TWT	Test Weight Minimum (kg/hl)	76	76	76	71	76	76	68	68	70	62
SCRN	Screenings (All Material Below the Screen) Maximum (% by weight) Material passing through a 2.0mm slotted screen after 40 shakes.	5.0	5.0	5.0	10.0	5.0	5.0	10.0	25.0	10.0	15.0
UNM	Unmillable Material Above the Screen Maximum (% by weight) Material other than wheat kernels remaining on top of a 2.0mm slotted screen after 40 shakes. This consists of whiteheads (with grains removed), chaff, backbone, Wild Radish pods, Milk Thistle pods, Skeleton Weed Flowers (Seed Heads), other seedpods and other light material which remains above the 2.00mm screen after a sample of grain is subjected to the screening process. It excludes contaminants for which tolerances have been stated in these standards.	0.6	0.6	0.6	1.2	0.6	0.6	1.2	2.6	1.2	2.6
FALL	Falling Number Minimum (seconds)	350	300	300	250	300	300	200	250	No Limit	No Limit
<b>Defective Grains – Maximum tolerance as per method specified. Note: NIL tolerance applies to the entire load.</b>											
Defective definitions are to be read in conjunction with the photo in the Visual Recognition Standards Guide which depicts the minimum standard for a grain to be classified as defective.											
SPRO	Sprouted Maximum (% by count per 300 Grain Sample) The covering of the germ is split. It includes early and any further advanced stage of growth of the germ. Kernels exhibiting early stages of sprouting are those where the covering of the germ is split, but without further development of the shoot. Grains with pin holes are not included in this definition. <b>Note: The NIL tolerance for sprouted grains does not apply if a Falling Number analysis is conducted.</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	No Limit	No Limit
STAN	Stained Maximum (% by count per 300 Grain Sample) A distinct dark brown to black discoloration on the germ end that, in severe cases, may progress to other parts of the grain such as the crease. Grains are commonly referred to as "black point" or "black tip". Includes streaking and brush-end staining beyond the minimum and up to 50% of the entire grain surface. For staining level greater than 50%, refer to Field Fungi. Also includes adherence of contaminants such as soil, dust, plant parts and other material.	5% (15 grains)	5% (15 grains)	5% (15 grains)	15% (45 grains)	5% (15 grains)	5% (15 grains)	15% (45 grains)	10% (30 grains)	15% (45 grains)	50% (150 grains)
PFUN	Pink Stained Maximum (% by count per 300 Grain Sample) Grains with distinct pink discoloration. Grains that are pink but also contain a white to light grey fungal like discoloration over more than approximately 50% of the seed coat surface are to be classified as "White Grain Disorder / Head Scab".	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	5% (15 grains)	3% (9 grains)	5% (15 grains)	5% (15 grains)
WGDH	White Grain Disorder/Head Scab Maximum (% by count per 300 Grain Sample) Grains appear white to light grey but may also contain a pink discoloration. Discolouration must be over more than approximately 50% of the seed coat surface. If the discoloration is less than approximately 50% of the seed coat surface, grains may be classified as sound. Grains may also appear flaky with a white discoloration or resemble tombstones.	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)
GREE	Dry Green or Sappy Maximum (% by count per 300 Grain Sample)	1% (3 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	1% (3 grains)	1% (3 grains)	5% (15 grains)	2% (6 grains)	10% (30 grains)	No Limit
DIST	Distorted Maximum (% by count per 300 Grain Sample) Grains generally have the appearance of full sized kernels with little or no structure on both dorsal sides of the grain, and are typically grey to blue in colour. Does not include pinched grain.	1% (3 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	1% (3 grains)	1% (3 grains)	10% (30 grains)	2% (6 grains)	10% (30 grains)	No Limit
DAMI	Insect Damaged Maximum (% by count per 300 Grain Sample)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	4% (12 grains)
ARTD	Over-Dried Damaged Maximum (% by count per 300 Grain Sample)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	No Limit
FFUN	Field Fungi Maximum (count per half litre) Individual kernels where more than half (50%) of the seed coat is discoloured. Discolouration can vary from dark grey, brown to black in colour. Grains that are approximately 50% or less discoloured are to be classified as Stained. Does not include Severely Damaged.	10	10	10	10	10	10	10	20	10	40
SEVE	Severely Damaged (count per half litre above 2.0mm screen) Mould, heat damaged/burnt, or other serious visual defects. Grains that have become severely discoloured. Grains appear reddish brown, dark brown, or in severe cases, blackened. Does not include Field Fungi.	1	1	1	1	1	1	1	1	1	5
SMUT	All Smuts (except Loose Smut) Maximum (entire load) Includes: Ball Smut, Stinking Smut, Burnt, Covered Smut.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>Foreign Seed Contaminants – Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total of all seeds named in each type per half litre.</b>											
Except Type (1) in which the maximum applies on an individual seed basis per half litre.											
WS1	TYPE(1): Colocynthis, Double Gees/Spiny Emex/Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, Opium Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed** (QLD only)	8*	8*	8*	8*	8*	8*	8*	8*	8*	8*
WS2	TYPE(2): Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Parthenium Weed** (NSW/VIC/SA), Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
WS3A	TYPE(3a): Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Coage Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	2	2	2	2	2	2	2	2	2	2
WS3B	TYPE(3b): Vetch (Tare), Vetch (Commercial)	4	4	4	4	4	4	4	4	4	4
WS3C	TYPE(3c): Heliotrope (Blue), Heliotrope (Common) ****Note: included in this Type are tolerances for seeds or pods.	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds
WS4	TYPE(4): Bindweed (Field), Cutleaf Mignonette, Darnel (Drake Seed), Hexham Scent/King Island Mellilot** (only acceptable if no tainting odour is present), Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Vanegated Thistle	20	20	20	20	20	20	20	20	20	20
WS5	TYPE(5): Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane	40	40	40	40	40	40	40	40	40	40
WS6	TYPE(6): Columbus Grass, Johnson Grass, Saffron Thistle	10	10	10	50	10	10	50	50	50	50
WS7A	TYPE(7a): Adzuki Beans, Broad Beans, Chickpeas, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Medic Pods, Peas (Field), Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter. Includes Onion Weed Pods regardless of size.	1	1	1	10	1	1	10	10	10	100
WS7B	TYPE(7b): Barley (2 & 6 row), Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Durum (unlimited in FED1), Red/Spring Feed Wheats (unlimited in FED1), Oats (Black/Wild)*, Oats (Sand), Oats (Common), Rice, Rye (Cereal), Ryegrass on Stalk, Sorghum (Grain), Triticale, Turnip Weed Pod and any other foreign seed not specified in Types 1-7(a), Unmillable Material above the 2.0mm screen or in SFS.	50	50	50	150	50	50	150	150	150	400
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 screenings process.	0.6%	0.6%	0.6%	1.2%	0.6%	0.6%	1.2%	1.2%	1.2%	1.2%
*Individual Seed Basis ** Parthenium Weed is a NIL tolerance in NSW/VIC/SA ****Hexham Scent is only acceptable if no tainting odour is present **** Heliotrope pods must be opened and the seeds counted											
<b>Other Contaminants - Maximum tolerance as per method specified. Note: NIL tolerance applies to the entire load.</b>											
PICK	Pickling Compounds Maximum (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
CHEM	Chemicals Not Approved for Wheat Maximum (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
ERGR	Ryegrass Ergot Maximum (length in cm when pieces are aligned per half litre)	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm
ERGW	Cereal Ergot Maximum (count per half litre)	1	1	1	1	1	1	1	1	1	1
LIVE	Stored Grain Insects and Pea Weevils: Live maximum (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
INLG	Field Insects – Large, dead or alive Maximum (count per half litre) Includes: Desiantha Weevil, 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 grains.	3	3	3	3	3	3	3	3	3	3
INSM	Field Insects – Small, dead or alive Maximum (count per half litre) Includes: all species of aphid, minute mould beetle, mites & stored grain insects (dead only). These are insect contaminants of grain that do not cause damage to stored grains.	10	10	10	10	10	10	10	10	10	10
SNAL	Snails (Live or Dead) Maximum (count per half litre)	1	1	1	1	1	1	10	5	10	10
EAR	Earcrocodile Maximum (count per half litre)	10	10	10	10	10	10	15	10	15	50
LSMT	Loose Smut Maximum (count per half litre)	3	3	3	3	3	3	3	3	3	3
SAND	Sand Maximum (count per half litre)	20	20	20	50	20	20	50	50	50	50
EART	Earth Maximum (count per half litre) Defined as a clod of dirt, being 5mm or less in diameter.	1	1	1	3	1	1	3	1	3	6
STON	Stones (g per 2.5L above 2.0mm screen) Maximum weight of all Stones retained above a 2.0mm screen per 2.5L.	4	4	4	4	4	4	4	4	4	4
OBJM	Objectionable Material Maximum (entire load) Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Sticks/Stubble (>3cm in length and/or 1cm in diameter), glass, concrete, metal, fertiliser, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, odour or taste greater than the tolerance or specifications as allowed in these standards.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
OFM	Other Foreign Material Maximum (% by weight) Includes fine material (dust and minerals), pieces of snail shell (<half), pieces of stored grain insects, other non-vegetative material not listed.	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%