



LENTILS STANDARDS 2023-2024

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THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

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GrainCorp

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.

Test Code	Binned Grade	LRS1	LRS2
Physical Characteristics – The Lentils shall be red, hard and well filled.			
VARP	Purity minimum (% by weight) Includes whole Red Small Lentils excluding Northfield, defective Lentils and seed coats.	97	97
MOGR	Moisture maximum (%)	14	14
Defective Grains – maximum % by weight per minimum 200g sample. 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 .			
DEFG	Total Defective maximum (% by weight per minimum 200g sample) Red Lentils not of the specified variety. Red Lentil kernels that are black, broken, chipped, diseased, frost damaged, insect damaged, orange tip, sappy, shrivelled, split, sprouted, weather damaged, wrinkled. Includes pods that contain Red Lentils, wheather broken or unbroken, loose seed coat, 3% blondes (Aldinga only) and all Red Lentil seed material falling through the 2mm slotted screen (Aldinga 2.2mm).	4	8
PSCC	OF WHICH Poor Seed Coat Colour maximum (% by weight per minimum 200g sample) Seed coats vary from dark brown to black, but may be depicted by other colours. Seed coats may be similar in appearance to various other defects such as Bin Burnt & Heat Damaged, Fungal Affected or Mouldy and Caked. Does not include Contrasting Colour. Where any poor colour is present on the seed coat, it is recommended the kernel also be inspected.	1	3
PKC	OF WHICH Poor Kernel Colour (% by weight per minimum 200g sample) Poor Colour Kernel refers to excessive discolouration of the kernel often depicted as a green colour. Includes green, brown, black, yellow, bleached and chalky white kernels or any other discolouration.	1	1
VRTY	OF WHICH Variety (% by weight per minimum 200g sample) Red Lentils not of the specified variety.	1	1
COCO	Contrasting Colour (% by weight per minimum 200g sample) Contrasting colour of the seed coat in the same variety. Not classified as defective.	1	1
SEVE	Severely Damaged maximum (count per 200g sample) Mould, heat damaged/burnt, or other serious visual defects. Grains that have become severely discoloured.	1	1
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 200g. Except Type(1) in which the maximum applies on an individual seed basis per 200g.			
WS1	TYPE(1): Colocynth, Doublegees / Spiny Emex / Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Parthenium Weed** (QLD only), Poppy (Field), Poppy (Horned), Wild Poppy	4*	4*
WS2	TYPE(2): Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Opium Poppy, Parthenium Weed** (NSW/VIC/SA), Ragweed, Rattlepods, Starburr, St. Johns Wort	NIL	NIL
WS3A	TYPE(3a): Bathurst Burr, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	1	1
WS3B	TYPE(3b): Vetch (Tare), Vetch (Commercial)	2	2
WS3C	TYPE(3c): Heliotrope (Blue)***, Heliotrope (Common)***	4	4
WS4	TYPE(4): Bindweed (Field), Cutleaf Mignonette, Darnel (Drake Seed), Hexham Scent / King Island Melilot ****, Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle	10	10
WS5	TYPE(5): Knapweed, Sesbania Pea, Pattersons Curse / Salvation Jane	20	20
WS6	TYPE(6): Columbus Grass, Johnson Grass, Saffron Thistle, Clover (Pods), Lucerne (Pods), Marshmallow (Pods), Medic (Pods), Muskweed (Pods), Sow Thistle (Heads), Wild Radish (Pods), Trefoil (Pods)	5	5
WS7A	TYPE(7a): Adzuki Beans, Broad Beans, Cowpea, Chickpeas (Desi / Kabuli), Faba Beans, Lupin, Maize / Corn, Mung beans, Peas (Field), Pigeon Peas, Soybean, any other seeds or pods greater than 5mm diameter not listed in the Standards.	10	10
WS7B	TYPE(7b): Barley (2 row), Barley (6 row), Bindweed (Australian), Bindweed (Black), Carrot Weed, Durum, Oats (Black or Wild)*****, Oats (Sand)*****, Oats (Common)*****, Rice, Rye (Cereal), Sorghum (Grain), Triticale, Turnip Weed Pods (irrespective of size), Wheat, and any other foreign seed not already specified in Types 1-C or in SFS.	10	10
WS7C	TYPE(7c): Safflower, Sunflower	1	1
WS8	TYPE(8): Bellvine	100	100
WSC	Cereals(C): Wheat, Durum, Barley, Oats (common), Sorghum, Triticale, Cereal Rye, Maize, Rice	2	2
SFS	Small Foreign Seeds maximum (% by weight) Foreign seeds not already specified in Types 1-C that fall in the catchpan during the screenings process.	0.6%	0.6%
*Individual seed basis **Parthenium Weed is a NIL tolerance in NSW/VIC/SA ***Heliotrope pods must be opened and the seeds counted ****Hexham Scent is only acceptable if no tainting odour is present *****Counted individually if clustered			
Other Contaminants – Maximum per 200g sample unless otherwise stated. Note: NIL tolerance applies to the entire load.			
FMAT	Foreign Material maximum (% by weight) Includes: unmillable material and all vegetable matter other than red Lentil seed material, including any Foreign Seeds.	3	3
UNML	OF WHICH Unmillable Material maximum (% by weight) - Includes: soil, stones and non-vegetable matter.	0.5	0.5
SOIL	OF WHICH Soil maximum (% by weight)	0.3	0.3
SNAL	Snails maximum (by count per 200g) Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample.	1	1
GWBL	Field Insects Live or Dead maximum (by count per 200g) Includes: ladybirds, minute mould beetles, pea weevil (dead only), sitona weevil, desiantha weevil, wood bugs, other field insects.	15	15
GRLO	Grasshoppers & Locusts, Live or Dead maximum (by count per 200g sample)	2	2
OBJM	Objectionable Material maximum (entire load) Includes: animal excreta, rodents, crushed insect bodies or parts that adhere to the grain, live stored grain insect pests, glass, metal, concrete, pickling compounds, tainting agents, odours, fertiliser, sticks or any other commercially unacceptable contaminant, smell or taste.	NIL	NIL
ERGR	Ryegrass Ergot maximum (length in cm when pieces are laid end to end per 200g sample)	2cm	2cm
CHEM	Non Approved Treatment Chemicals or Treatment Levels above Legal Tolerances maximum (entire load) Residues of any chemical compound not approved for use on pulses, used in contravention of the labelled instructions or chemicals in excess of the Australian MRL.	NIL	NIL