



AUSTRALIAN PULSE STANDARDS 2011/2012

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AUSTRALIAN PULSE STANDARDS 2011/12 SEASON

SECTION 1 INTRODUCTION

Pulse Australia has compiled these Standards after extensive consultation with all sectors of the Australian Pulse Industry. It is hoped that they will facilitate the desire of the Australian pulse industry to provide consistent product of the highest quality into the world market.

Please note that there have been some changes to the Standards from previous editions to better reflect the trade of pulses today. All sectors of the industry are encouraged to familiarise themselves with both format and content. Any comments or queries regarding these Standards should be directed to Pulse Australia.

It is understood that as minimum Standards they may not be tight enough for the requirement of some buyers. Suitable qualifications to any Standard can be made as agreed between all parties concerned to represent the basis for better quality consignments.

It should also be understood that these are Australian industry Standards and do not take into account specific overseas country quarantine restrictions (such as prohibited weed seeds, disease status or contaminant levels) or the requirements of the Export Control Act (1982) and its subordinate legislation. Individual commodity traders are responsible for ensuring that specific country requirements and those pertaining to compliance with the Export Control Act (1982) are included as additional specifications on the contract. For additional information on specific country requirements, or other information on export certification issues, refer to the importing country Quarantine Authority and the AQIS Website: http://www.aqis.gov.au/phyto/asp/ex_home.asp

It is recommended that all grain exporters and container packers actively participate in the NRS grains residue monitoring program. Contravention of an overseas MRL may cause the rejection of cargoes resulting in severe financial cost being incurred and potentially jeopardising Australian grain into that market. Information about the NRS is located: www.daff.gov.au/nrs

Pulse Australia gratefully acknowledges the efforts of all sectors of the industry in the compilation of these Standards.

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SECTION 2 PULSE AUSTRALIA

PULSE AUSTRALIA is a peak industry body that represents all sectors of the pulse industry in Australia, from growers and agronomists through to researchers, merchants, traders and exporters. It is unique amongst peak bodies in that it is an independent, non-political and a whole of industry organisation, which acts as a catalyst for the development of the pulse industry.

A Board of Directors is nominated from the whole of industry to provide direction and vision. The directors bring skills and knowledge from many areas of interest including pulse farming, pulse research, seed merchandising, marketing and exporting. The Grains Research and Development Corporation also nominate one Director.

The broad long-term goals of Pulse Australia are to:

- Distinguish Australian Pulse products in the international market place.
- Develop and maintain existing and new markets.
- Address any weak links in the pulse value chain.
- Provide coordinated leadership and planning.
- Encourage world's best practice throughout the whole industry.
- Foster and maintain grower confidence.
- Ensure a reliable production base of consistent and safe pulse crops that meet customer requirements.

PULSE AUSTRALIA'S role takes a three pronged approach to ensure the overall objectives are met in all areas of the industry:

- **Crop Support**
Qualified field staff provides the catalyst for coordination of information across state and institutional boundaries actively supporting farmers and agronomists to ensure confidence, sustainability and consistency of pulse production.
- **Industry Support**
Fundamentally is about filling the gaps. That is, the provision of the means to create essential linkages along the value chain.
- **Market Support**
Providing a single voice for industry in the areas of market access and development and negotiating with governments and other industry bodies both domestically and internationally.

The pulse industry's growth is increasingly becoming a key to the future sustainability of the whole Australian grains industry at the strategic importance of pulses within the cereal cropping system in Australia continues to grow. Research has shown that farm systems achieve substantial benefit from the increased yield and protein content in cereal and oilseed crops that are planted following pulse crops.

Australian pulse production has grown dramatically. In 1990 total production amounted to only 1.3 million tonnes of pulses. By the turn of the century pulses represented 2.245 million hectares throughout the country, producing around 2.5 million tonnes of grain with a commodity value of over A\$675 million, and an additional farm system benefit of around A\$300 million. The potential for the pulse crop in Australia, assuming all constraints are overcome, is to increase its current size to 4.2 million hectares, with a commodity value of A\$1.504 billion and a farm system benefit of A\$538 million – a total of over A\$2 billion.

SECTION 3 PULSE DEFINITIONS

General

The following definitions have been created to assist in classification of individual pulse grains when using these Standards. The definitions are a general guide and industry should note that differences to definitions may apply to individual commodities. Reference Visual Quality Charts and the applicable Standards should also be referred to where available for further guidance on classifying individual grains in a sample. A summary table is at the end of this Definitions section.

Definitions for Defects apply to the entire seed coat and/or kernel, depending on the defect type and grain type.

Sizing of Defect

The size of the quality issue on the seed coat or kernel determines if it is categorised as a defect. As defined in the tables below, a specific quality parameter will only be classified as a defect if its presence exceeds 20% of any one side of the grain even if that defect is absent or if it is less than 20% coverage on the other side. Industry should note that averaging or summing the size of the quality parameter across both sides of the grain is not relevant or applicable.

As an example, for an *Ascochyta* lesion on a Red Lentil, in the following table:

- Highlighted in red is where the grain will be classified as defective due to the large size of the lesion
- Highlighted in green is where the grain will not be classified as defective due to the small size of the lesion

| Relevant Information when classifying grain | | Considered an <i>Ascochyta</i> Lesion? | Non-Relevant Information when classifying grain | |
|---|----------------------|--|---|------------------------------------|
| Lesion Size - Side One | Lesion Size - Side 2 | | Lesion Size – average per side | Lesion Size – sum for entire grain |
| 5% | 15% | N | 10% | 20% |
| 15% | 15% | N | 15% | 30% |
| 20% | 20% | N | 20% | 40% |
| 25% | 5% | Y | 15% | 30% |
| 30% | 10% | Y | 20% | 40% |
| 40% | 0% | Y | 20% | 40% |

Defects on Kernels

Where a tolerance is stated for kernels, seed coats must be removed to identify the presence of the defect. Where the defect is present on the kernel, the grain is classified as Defective except when assessing Poor Colour, where a tolerance may apply. For the definition of Poor Colour, refer to the applicable Standard and grain type.

A. Quality Parameters

1. ASCOCHYTA

| Parameter | Definition |
|------------------------------|---|
| Cause | Is a fungal disease that attacks plant foliage and seed pods |
| Physical Description | Lesions are generally visible to the naked eye. The lesion generally appears intense dark brown to black and often fluoresces. It is commonly oval to circular and localised in nature, but may vary in shape. The lesion may be similar in colour to mould or weather damaged. The lesion may also be associated with the presence of fungal growth of various colours. A lesion may appear on one or both sides of the seed coat or kernel. |
| Presence on Seed Coat | Lesion greater than 20% coverage on any one side of the seed coat for all pulses except desi chickpeas. For all grains, the visual presence of any level of fungal growth associated with mould is considered defective. Refer also to Visual Quality Chart. Refer also to Point 12 - Stained and Weather Damaged. For Desi Chickpeas, any lesion of any size is permitted and not classified as Ascochyta provided it is not also present on the kernel. For Desi Chickpeas, if the Ascochyta seed coat lesion is >20% but does not penetrate to the kernel (and thus fall under the Ascochyta definition), then the grain is classified as Stained & Weather Damaged and is classified as defective. |
| Presence on Kernel | Any lesion of any size present on the kernel is classified as defective. |

2. BIN BURNT & HEAT DAMAGED

| Parameter | Definition |
|------------------------------|--|
| Cause | Exposure to severe heat during storage. Heating occurs via mould damage or incorrect drying of high moisture grain. |
| Physical Description | The seed coat or kernel appears reddish-dark brown and blackened or burnt in severe cases. These grains may be similar in appearance to Poor Colour brown seeds. An Objectionable Odour must not be detected. Refer also to Mouldy & Caked and the Visual Quality Chart. |
| Presence on Seed Coat | Any damage to the seed coat is classified as defective. |
| Presence on Kernel | Any damage to the kernel is classified as defective. |

3. BROKEN/CHIPPED/LOOSE SEED COAT & SPLIT

| Parameter | Definition |
|------------------------------|--|
| Cause | Damage due to poor harvesting and/or handling techniques. Late harvesting may exacerbate this defect. |
| Physical Description | Breakage, cracking, peeling or splitting of the seed coat or chipping and splitting of the kernel in various forms. Damage to the seed coat may be referred to as loose seed coat or skin damage. Damage to the kernel may be referred to as chipped or scratched. |
| Presence on Seed Coat | Includes the following: <ul style="list-style-type: none"> ▪ A Split in the seed coat running more than half the entire length or across the entire width on one or both sides. ▪ Chipping (i.e., a hole in the seed coat) where more than 20% of the seed coat on any one side is missing (Where the entire seed coat is not present, it is often referred to as Missing Seed Coat). ▪ Loose Seed Coat (Peeling) where the seed coat is visibly falling off the kernel to any extent and not adhering tightly to the kernel. Refer to Visual Quality Chart. ▪ Where the entire seed coat is missing but the kernel is intact. |
| Presence on Kernel | Any damage to the kernel is classified as defective. Includes the following: <ul style="list-style-type: none"> ▪ A Chip (Broken) where part of the kernel is removed. ▪ A scratch, dent or other physical damage to the kernel. ▪ A Split where the kernel is separated into two halves. Pieces may be whole or partial. Seed coat may adhere to the kernel pieces (Caps). |

4. GREEN GRAINS – Desi Chickpeas

| Parameter | Definition |
|------------------------------|---|
| Cause | Premature ripening of the desi chickpea grain. |
| Physical Description | Seed coats or kernels appear green. Where any greenish tinge is present on the seed coat, it is recommended the kernel also be inspected. |
| Presence on Seed Coat | More than a slight greenish tinge must be present to be classified as defective. |
| Presence on Kernel | Any damage to the kernel is classified as defective. |

5. HAIL DAMAGED – Desi Chickpeas

| Parameter | Definition |
|------------------------------|---|
| Cause | Damage by hail. |
| Physical Description | Damage to the seed coat or kernel. Damage to the seed coat can appear as bruising (darkening) or in more severe cases splitting of the seed coat. This may cause discolouration and damage to the kernel. Damage to the kernel can vary from bruising (darkening) to physical damage such as crushing of the entire kernel. |
| Presence on Seed Coat | Any damage to the seed coat is classified as defective. Refer also to Visual Quality Chart. |
| Presence on Kernel | Any damage to the kernel is classified as defective. |

6. INSECT DAMAGED

| Parameter | Definition |
|------------------------------|--|
| Cause | Damage due to any insect such as Pea Weevil, Etiella grub and Heliiothis eating the seed coat or more commonly, the kernel. |
| Physical Description | The seed coat and kernel have a chewed appearance. Kernels may contain holes as a result of insects boring through the kernel. Mechanical damage resulting in Broken or Split grains is not included in this definition. |
| Presence on Seed Coat | Any damage to the seed coat is classified as defective. Damage generally also occurs under the seed coat and is obvious on the kernel. Refer also to Visual Quality Chart. |
| Presence on Kernel | Any damage to the kernel is classified as defective. |

7. MOULDY & CAKED

| Parameter | Definition |
|------------------------------|---|
| Cause | Exposure to bacteria or fungi in the field or in storage. Heat, subsequent mould attack and high moisture conditions may lead to adherence of foreign material or joining of mouldy grains. |
| Physical Description | Mould is usually indicated by blackening, discolouration of all or part of the seed coat or kernel. Grains may be soft but may also appear hard after drying out. Fungal growth may be visibly apparent on the seed coat or kernel as a fungus of various colours. Foreign material may adhere to the seed coat and visually detract from the appearance. An Objectionable Odour must not be detected. This definition does not include Ascochyta lesions. Seed coats or kernels may be similar in appearance to Poor Colour or Bin Burnt & Heat Damaged. |
| Presence on Seed Coat | Any presence on the seed coat is classified as defective. Refer also to Visual Quality Chart. |
| Presence on Kernel | Any presence on the kernel is classified as defective. |

8. POOR COLOUR

| Parameter | Definition |
|------------------------------|--|
| Cause | Rapid, premature ripening. Discolouration may also arise through weather conditions, disease or during the storage period |
| Physical Description | Poor Colour seed coats or kernels are not considered good colour. Seed coats and kernels vary from white to dark brown/black depending on the pulse type. Refer to each Standard and Visual Quality Chart for further information. Seed coats and kernels may be similar in appearance to various other defects such as Bin Burnt & Heat Damaged, Mouldy or Stained & Weather Damaged. |
| Presence on Seed Coat | Refer to each Standard and Visual Quality Chart for further information. |
| Presence on Kernel | Refer to each Standard and Visual Quality Chart for further information. Seed coat must be removed to determine the presence on the kernel. |

Note - 3% 'blondes' is permitted in all Aldinga red lentil standards in addition to the respective tolerances for Poor Colour. The 'blondes' count is to be included in the count for Total Defectives.

9. SAPPY

| Parameter | Definition |
|------------------------------|--|
| Cause | Are those grains that have been harvested before maturity. |
| Physical Description | Grains are generally soft when pressed. |
| Presence on Seed Coat | Any level of sappiness is classified as defective. |
| Presence on Kernel | Any level of sappiness is classified as defective. |

10. FROST DAMAGED, SHRIVELLED & WRINKLED

| Parameter | Definition |
|-----------------------------|--|
| Cause | Damage has occurred during the maturation phase due to some form of environmental or agronomic stress such as frost. |
| Physical Description | Visible damage to the seed coat or size and shape of grain whereby the grains are severely distorted and/or shrunken. Seed coats may tightly adhere to the kernel or be brittle. Seed coats may show a level of discolouration depending on the extent of damage. Grains are often smaller than the majority in the sample. For some commodities, these small grains may fall through the screen and be classified as Defective. |

| | |
|------------------------------|--|
| Presence on Seed Coat | A distinct ridge (often described as mountains and valleys) on the seed coat must be present to be classified as Frost Damaged, Shrivelled & Wrinkled. Ridges may be described as coarse waves rather than soft waves. Seed coats may be wrinkled or dimpled and distinctly indented into the kernel. Seed coats with a slight degree of indentations are not included in this definition. Refer also to Visual Quality Chart. |
| Presence on Kernel | A distinct indentation on the kernel. |

11. SPROUTED

| Parameter | Definition |
|------------------------------|--|
| Cause | Damage due to wet weather conditions during maturation. Also occurs through moisture ingress when in storage. |
| Physical Description | The seed coat has split and the primary root has emerged. This includes early and any further advanced stage of growth of the primary root. Includes grains where the primary root has been knocked off during the harvesting or handling process. |
| Presence on Seed Coat | Any visual presence of the primary root through the seed coat is classified as defective. Refer also to Visual Quality Chart. |
| Presence on Kernel | Any visual presence of the primary root through the seed coat is classified as defective. Kernels may also be soft to the touch. |

12. STAINED & WEATHER DAMAGED

| Parameter | Definition |
|------------------------------|--|
| Cause | Damage has occurred during the maturation phase due to some form of disease, weather event or stress prior to harvest. |
| Physical Description | A general term used to describe visible damage to the seed coat or kernel that may or may not otherwise be defined or be distinguishable from other defects in these Standards. Seed coats and kernels may be discoloured or altered in size or shape. Weather damage may also lead to Poor Colour, a Loose Seed Coat, Shrivelled and Wrinkled. |
| Presence on Seed Coat | Discolouration of the seed coat of various shapes and shades. Generally is a dark brown to black colour depending on the pulse type. May be on one or more sides. Depending on the intensity and the pulse type, generally must be greater than 20% of the surface area on any one side of the seed coat. Refer to Visual Quality Chart. For Desi Chickpeas, if the Ascochyta seed coat lesion is >20% but does not penetrate to the kernel (and thus fall under the Ascochyta definition), then the grain is classified as Stained & Weather Damaged and is classified as defective. |
| Presence on Kernel | Any damage to the kernel is classified as defective. |

B. Quality Parameters – Other Definitions

- Caps** Are parts of the Seed Coat adhering to Split or Broken seed.
- Chemicals Not Approved** Refers to those chemicals not permitted to be used on pulses or those in excess of legal tolerances, including MRLs. Refer to Appendix A.
- Cotyledon** Refer to the generally recognised term kernel.
- Defective** Refers to pulses that have been damaged to some degree due to a range of factors including but not limited to disease, environment, handling, harvest, stress and a weather event.
Generally includes pulses not of the specified variety and seed coats or kernels that are:
- | | |
|--------------------------------------|--------------------------|
| Ascochyta affected | Bin Burnt & Heat Damaged |
| Broken/Chipped/Loose Seed Coat/Split | Diseased |
| Frost Damaged, Shrivelled & Wrinkled | |
| Green | Hail Damaged |
| Insect Damaged | Mouldy & Caked |
| Otherwise Damaged | Poor Colour |
| Sappy | Sprouted |
| Stained & Weather Damaged | |
- Defective may also include whole pods containing seed of the pulse being assessed and seed material passing through a specific sized screen. The definition may vary by defect type and pulse. Refer to the Definitions, each Standard and the Visual Quality Chart for further guidance.
- Field Insects** Are live or dead whole insect contaminants that do not cause damage to stored pulses. Pieces of Field Insects are included in Unmillable Material except for Grasshoppers and/or Locusts. Note that variations may exist to this definition for different Standards. Refer to Appendix C and each Standard for more detail.
- Field Fungi** Staining on the seed coat or kernel that may or may not have been caused by the development of fungi during periods of high moisture. Refer to Stained & Weather Damaged for tolerances to apply.
- Foreign Material** Refers to Unmillable Material and all vegetable material other than seed material (seed coats or kernels) of the pulse in question being sampled and assessed according to these Standards. This includes:
- Foreign Seeds (Weed seeds), including Small Foreign seeds
 - Empty seed pods or pieces of seed pods of the pulse being assessed
 - Empty seed pods, pieces of seed pods or seed pods containing seeds of all other weed seeds
 - Seed attachments of the pulse being assessed
 - Unmillable Material (Soil, sand, sticks etc)
 - Field Insects

- Grasshoppers and Locusts
- Ryegrass Ergot
- Snails
- Stored grain Insects (dead and pieces).

Foreign Material excludes pods containing seeds of the pulse being assessed as these are classified as Defective. Note there may be separate tolerances for parameters listed within Foreign Material.

| | |
|-------------------------------|--|
| Foreign Seeds | Are those seeds that are not the pulse being sampled and assessed according to these Standards. Tolerances for specified seeds are listed in Appendix B. Foreign Seeds may be detected both above and below the screen and are to be assessed in the entire sample. Foreign Seeds are included in the assessment of Foreign Material and may also be referred to as Weed Seeds. |
| Good Colour | Are those seed coats and kernels practically free from discolouration and have the uniform natural colour and appearance characteristic of the predominating pulse type within the sample of the pulse being assessed. The colour and thus definition may vary by pulse. Note that dark colours such as black may be excluded as the predominating colour depending on the pulse type. Refer to each Standard and Visual Quality Chart for details. A thin, transparent seed coat may allow the orange kernel to show through in red lentil varieties such as Aldinga and Nugget, hence the seed appears 'orange'. This is deemed acceptable and not Poor Colour. For all commodities, seeds that have partial transparency but an acceptable kernel colour are deemed acceptable and of Good Colour. |
| Kernel | Refers to the inner part of a pulse that is contained under the seed coat. May also be referred to as Cotyledon. Note that any damage to the kernel results in that grain being classified as Defective except for Poor Colour. |
| Loose Seed Coat | Refer to Broken/Chipped/Loose Seed Coat & Split |
| Mechanical Damage | In reference to Broad Beans means any cracking, splitting or removal of any part of the seed coat or kernel. For other pulses, refer to Broken/Chipped/Loose Seed Coat & Split. |
| Missing Seed Coat | Refers to those grains where the Seed Coat is partially or more usually, entirely missing. May also be referred to as "Seed-Coatless". |
| Moisture Content | The amount of water measured in a sample of pulses, being assessed according to these Standards. |
| Non-vegetable Matter | Is a part of Unmillable Material. Refers to all non-organic material, including soil, stones, metal and glass. Different tolerances may apply depending on the material and pulse type. |
| Objectionable Material | Refers to any objectionable foreign matter that may or may not be otherwise stated in these Standards. Objectionable Material has the ability |

to degrade the hygiene of the pulse. May become a food safety issue or may have a commercially unacceptable odour. Refer to Appendix A.

- Objectionable Odour** In the context of these Standards is a commercially objectionable odour and/or an odour not normally associated with the pulse in question. The Objectionable Odour may be caused by various means which may or may not be discernable in the sample being assessed. A nil tolerance applies. Refer to Appendix A.
- Pea Weevil** Refers to any stage in the life cycle of insects of the species *Bruchus pisorum*. Pieces of Pea Weevil are included in Unmillable Material. Refer to Appendix C.
- Physical Characteristics** Is a general description of pulses. Usually describes the general appearance and overall condition relative to a particular variety of the relevant pulse type.
- Phomopsis** Is a fungal disease that causes various agronomic and quality issues in pulses such as lupins.
- Pickling Compounds** Chemicals added to pulses as a seed dressing or as a seed treatment prior to sowing. Usually are associated with a colouring agent. The presence of any amount of pickling compound is prohibited and a nil tolerance applies. Refer to Appendix A.
- Predominating Class** Is used in reference to the determination of Poor Colour. Refers to the overall colour of a sample where grains in the greatest quantity within the sample are considered to be Good Colour. The Predominating Class specifically excludes grains not considered to be Good Colour.
- Purity** The amount of material of the particular pulse in question in the sample. Purity includes the seed coat and kernel whether intact or defective. It excludes all other plant material of the pulse in question. Purity is generally the opposite of Foreign Material.
- Ryegrass Ergot** Is a contaminant resulting from the infection of ryegrass kernels by the fungus *Claviceps purpurea*.
- Seed Coat** The outer surface of many pulses that envelopes the kernel. Its function is to protect the kernel from splitting or being damaged. The seed coat is often paper-thin.
- Seed Material** Whole or pieces of seed coats and kernels of the pulse in question being assessed.
- Seed Pod** The protective enclosure, shell, or case surrounding a seed or a number of seeds.
- Skinless** Refers to those kernels with a Missing Seed Coat.

- Small Foreign Seeds** Are seeds that are not the pulse being sampled and have a tolerance specified in Appendix B. Seeds collect in the catch pan during the Screening process. Small Foreign Seeds are included in the assessment of Unmillable Material.
- Snails** Refers to whole or substantially whole (more than half) empty snail shells, bodies or bodies with shells, irrespective of species. Tolerances generally apply to live and dead snails. Pieces of material not defined as a Snail (i.e., smashed snail shells that remain in the sample after cleaning) are classified as Unmillable Material.
- Soil** Is generally regarded as unconsolidated mineral or organic material. Soil comprises clumps or grains of earth and grains of sand. No size limit applies. Is included in the definition of Unmillable Material however a separate tolerance for Soil generally applies. Refer to point 12 of the Procedures.
- Speckling** In relation to Desi Chickpeas, Speckling arises from a genetic stress during maturation. It commonly appears as small spots of any colour on the seed coat or kernel. It does not refer to black grains for which a tolerance may apply in the Poor Colour category. If the kernel remains unblemished it is not considered Speckling. Speckling is not considered a defect.
- Split** Refer to Broken/Chipped/Loose Seed Coat & Split.
- Sticks** Refers to ligneous material of any size. Is included in Foreign Material.
- Stones** Refers to a lump or mass of hard consolidated mineral matter of any size. Is included in Unmillable Material.
- Stored Grain Insects** Are insect contaminants that generally cause damage to the stored pulse. There is a nil tolerance for live insects. Dead or pieces of Stored Grain Insects are included in Unmillable Material. Refer to Appendix A for a list of the more common insects.
- Tiger Striping** In relation to Desi Chickpeas, Tiger Striping is typically due to a period of high heat stress during grain maturation or is a varietal characteristic. It commonly appears as dark coloured lines of striping on the seed coat or kernel. Tiger Striping is not considered a defect.
- Taint** Arises from contaminants imparting any smell or taint to the pulse. Includes but is not limited to plant parts and seeds of *Eucalyptus spp.* Refer to Objectionable Odour and Appendix A.
- Unmillable Material** Includes soil, sand, metal, stones, pieces of snail, pieces of Stored Grain Insects, pieces of Field Insects (except Grasshoppers and Locusts) and other non-vegetable matter.
- Variety** This is the next lowest level taxonomic rank of a plant below that of the term "species". Differing varieties have differing genetic compositions

which may endow them with differing agronomic characteristics, and/or differing end product quality characteristics.

Whole Refers to an individual pulse where the seed coat and kernel are entirely 100% present. If part of the seed coat or kernel has been removed due to poor harvesting and handling techniques or through other means, then these are not considered Whole.

Whole Pods Refers to a fully intact protective enclosure, shell, or case surrounding a seed. May contain several seeds.

Other Terminology

Acceptable Sampling Device Refers to any sampling device that obtains a representative sample to be assessed as per these Standards. Refer to point 13 of Pulse Classification Procedures.

AQIS Is the abbreviation for the Australian Quarantine and Inspection Service. Refer to http://www.aqis.gov.au/phyto/asp/ex_home.asp

Bulk Vessel A sea going vessel used to transport pulses. Pulses are stored loosely in holds without being constrained within a receptacle such as a container or bags. Vessels usually have a number of separate holds or compartments.

Classification Procedures Refers to procedures outlined in this document used to sample and assess the quality of pulses tendered for delivery or presented for outturn or export.

Container A box like receptacle that stores pulses in a sealed environment for transport. Containers are usually approximately 6.1m, 12.2m or 13.7m in length.

De-hulling Is the process of removing the seed coat from the kernel. Required to assess the presence of particular defects such as Poor Colour on the kernel.

Export Standard Refers to the Export Standards outlined in this document. Are Standards that are applied to pulses when sold and transported to overseas markets.

Farmer Dressed Refers to pulses that have been harvested and have not subsequently undergone any major cleaning or mechanical screening process to affect their quality. Pulses generally contain some Unmillable Material, Foreign Material and Defective pulses.

Grower Load Composite A sample representing the entire load tendered for delivery. Compiled by obtaining individual probe samples of the individual load (container, truck etc) based on the tonnage each represents and combining these samples to form one sample. For details, refer to Pulse Classification Procedures.

| | |
|--------------------------------|--|
| Hold Sample | A sample obtained from the hatch of a ship that represents the quality of the pulse loaded within that hatch. |
| Load | A road bulk unit tendered for delivery. |
| Machine Dressed | Refers to pulses that have undergone a significant quality transition via a mechanical operation such as cleaning to remove Foreign Material, Foreign Seeds or Defective pulses. |
| MRL | MRLs are the maximum amount of a chemical residue or its metabolite that is legally permitted on or in agricultural commodity. The Australian Pesticides and Veterinary Medicines Authority (APVMA) sets MRLs. These MRLs are set at levels which are not likely to be exceeded if the agricultural or veterinary chemicals are used in accordance with approved label instructions and can be found at http://www.apvma.gov.au/residues/standard.php Australian MRLs may differ significantly from those prescribed by foreign countries and the International Codex Alimentarius Commission. Consequently grain exporters must be aware of MRLs of importing countries and which countries accept Codex MRLs. Foreign country MRLs may be accessed directly from foreign government websites or the NRS grains database at www.daff.gov.au/agriculture-food/nrs/industry-info/mrl (Industry should confirm the accuracy of the MRL lists themselves) |
| National Residue Survey | The National Residue Survey (NRS) gathers information and supplies chemical residue results on domestic and export grain commodities. Australian grain is of a high quality with respect to residues and contaminants. It is recommended all grain exporters and container packers actively participate in the NRS grains residue monitoring program. Contravention of an overseas MRL may cause the rejection of cargoes resulting in severe financial cost being incurred and potentially jeopardising Australian grain into that market. Information about the NRS is located: www.daff.gov.au/nrs . |
| Nil | Means a level of zero in a 200g or 400g sample representative of the entire load. Nil means not detected anywhere in the load or at any stage of the receipt or outloading process. |
| Outturn | Process of loading the pulse from a storage unit into a transport unit, for eventual delivery to a domestic or international customer. |
| Quarantine Requirements | Are those parameters that are mandated by law by an importing country Government Quarantine Authority that must be met in order to permit entry of the particular pulse. Are also mandated in Australian Export Legislation. On export of pulses from Australia, these quarantine regulations are enforced by AQIS. Refer to AQIS. |

Receival Standard Refers to the Receival Standards as outlined in this document. Receival Standards apply to the purchase of pulses from a grower or through the Trade.

Representative Sample A sub-sample of a parcel of pulses used for assessment purposes, which is representative of the entire pulse parcel.

Visual Quality Charts Charts that show quality parameters of various pulses and are used as an aid to classification. There are two types:

- Those produced by Pulse Australia on behalf of industry and agreed by industry
- Those produced by industry and agreed by the Pulse Standards Committee

Where available, the most recent version should be used and supersedes any prior version. Where new versions are not available, any previously produced versions apply.

SUMMARY TABLE FOR DEFECT CATEGORIES

The following is a table summarising the categories listed within Defective pulses.

Note that this table refers to the presence on the entire grain (seed coat or kernel). Variations may exist for some pulses, including but not limited to Mung Beans and mechanically processed commodities such as Split product. Refer to the applicable Standard for the tolerances to apply for each Defect.

Where the statement includes:

- Refer to Definition or Standard – refer to the Definition and relevant description in the applicable commodity Standard
- Refer to Chart – refer to the relevant Pulse Australia Visual Quality Chart for further guidance

| Defect Type | Pulse Type | Seed Coat | Kernel |
|--|----------------------------------|--|--|
| | | Classified Defective if greater than | Classified Defective if greater than |
| Ascochyta | All pulses except desi chickpeas | 20% on any one side all pulses except desi chickpeas | Nil (any presence) |
| | Desi chickpeas | n/a | |
| Broken, Chipped, Loose Seed Coat & Split | All pulses | Refer to Definition and Visual Quality Chart | Nil (any presence) |
| Green | Desi Chickpeas | More than a slight greenish tinge | Nil (any presence) |
| Poor Colour | All pulses | Refer to Standard & Visual Quality Chart | Refer to Standard & Visual Quality Chart |
| Frost Damaged, Shrivelled & Wrinkled | All pulses | Distinct Ridge or indentations | Distinct indentation |
| Stained & Weather Damaged | All pulses | Generally 20% on any one side. Refer to Visual Quality Chart | Nil (any presence) |
| Bin Burnt & Heat Damaged | All pulses | Nil (any presence) | Nil (any presence) |
| Hail Damaged | Desi Chickpeas | Nil (any presence) | Nil (any presence) |
| Insect Damaged | All pulses | Nil (any presence) | Nil (any presence) |
| Mouldy & Caked | All pulses | Nil (any presence) | Nil (any presence) |
| Sappy | All pulses | Nil (any presence) | Nil (any presence) |
| Sprouted | All pulses | Nil (any presence) | Nil (any presence) |

SECTION 4 PULSE CLASSIFICATION PROCEDURES

The following procedure is suggested as a general method for the classification of pulses from grower deliveries, and for export where applicable. It may need to be adapted to suit the assessment of some grades or types of pulses.

1. Sample the load presented for delivery at the rates listed below using an Approved Sampling Device (refer point 13). Each bulk unit tendered for delivery is to be probed as a separate unit.

| Bulk Unit Size (i.e. truck / trailer) | Minimum Number of Samples | Minimum Sample Size |
|---------------------------------------|---------------------------|---------------------|
| 10 tonnes or less | 3 | 3 litres |
| Over 10 tonnes up to 20 tonnes | 4 | 4 litres |
| Over 20 tonnes up to 30 tonnes | 5 | 5 litres |
| Over 30 tonnes up to 40 tonnes | 6 | 6 litres |
| Over 40 tonnes up to 50 tonnes | 7 | 7 litres |
| Over 50 tonnes up to 60 tonnes | 8 | 8 litres |

All samples collected from each bulk unit are to be combined and thoroughly mixed to produce a representative Grower Load Composite (GLC) sample. Where large samples are obtained in this manner or where high levels of Foreign Material are present in the sample, it is recommended that a suitable mechanical device is used for mixing and sub-dividing the sample.

2. From the GLC sample draw a representative sub-sample and test for moisture content.
3. From the GLC sample weigh a representative 200 gram or 400 gram sample depending on the grain type as per the following list :

| 200 gram Sample | 400 gram Sample |
|--|--|
| Adzuki Beans | Broad Beans |
| Caloona / Poona Cowpeas | Chickpeas – Kabuli Type No. 1 Grade Large* |
| Chickpeas – Desi Type | Faba Beans |
| Chickpeas – Split Chana Dhal | Lupins – Albus |
| Chickpeas – Kabuli Type No. 1 Grade Small* | |
| Fenugreek | |
| Lentils – Whole Green | |
| Lentils – Whole Red | |
| Lentils – Split Red | |
| Lupins – Angustifolius | |
| Mung Beans | |
| Peas – Field | |
| Peas – Yellow Split | |
| Pigeon Peas | |
| Vetch | |

Note – Small and Large Kabuli Chickpeas are listed on the Pulse Australia website at <http://www.pulseaus.com.au/pdf/Pulse%20Seed%20Marketing%20and%20EPRs%20PA%202010%2001.pdf>

4. Examine the contents of the sample for the presence of Objectionable Material and major contaminants such as live Stored Grain Insects, Snails, Sticks, Stones, Mould or Animal Excreta.
5. To assist in the separation of the pulse material from other material in the sample, various screens may be used. After sieving, the sample will still need to be hand-picked to separate the various fractions. Refer to the Forty Shakes Sieving method under point 11 of these Procedures.
6. **Defective Grains**

Note that variations to the following procedure may apply depending on the pulse type.

Where required, depending on the Defect and grain type, the seed coat must be removed to examine the kernel for the presence of the Defect. This process is referred to as De-hulling. Refer to the De-Hulling method under point 15 of these Procedures.

General

- 6.1 Obtain a 200 gram or 400 gram sample to the nearest 0.1 gram, as required.
- 6.2 Examine material in the entire sample (including all trays) for the presence of Defects for which a nil tolerance applies.
- 6.3 The time taken to assess the sample for defects is unlimited.
- 6.4 The defective seed category includes all the defective seeds defined in the comments/variations section.
- 6.5 Where a pulse seed has a defect listed in a separate category in the Standards, these must be counted separately and only counted in one defective category. It should be counted in the defective category that has the lowest tolerance for that applicable standard.
- 6.6 Both sides of the grain should be inspected to determine firstly whether a Defect is present and secondly to determine if it is in sufficient quantity as per the Definitions to classify as Defective.
- 6.7 Where low but acceptable levels of defects such as Ascochyta are found on the seed coat, it may be desirable for seed coats to be removed to determine the presence on the kernel.
- 6.8 If a separate tolerance for particular defects such as Ascochyta or Poor Colour is defined in the Standard, examine all the relevant trays or the entire 200 gram or 400 gram sample for the presence of the defect. Pick out the defective grains and weigh. Divide the weight by two for a 200 gram sample and by four for a 400 gram sample to calculate the % of the defective grains. This should generally be done before the assessment of total defects in the sample.
- 6.9 The percentage of the individual defect or Total Defects is calculated based on the weight of the individual defect or Total of all defects in the entire 200 gram or 400 gram sample.

Where a Size Limit Applies:

- 6.10 Place the entire 200 gram or 400 gram sample onto the top of the appropriate screen(s).
- 6.11 Screen the sample using the automated or manual Forty Shakes Sieving Method – see Point 11 below.
- 6.12 Any pulse material (entire or pieces of kernel or seed coats) of the type being assessed that fall through the screen, including whole sound grains are classified as defective. Remove this material and place with material removed in 6.14 below.

- 6.13 Examine the material in the top tray (or middle if applicable) for the various Defects, pick out and weigh each Defect sub category.
- 6.14 Calculate the percentage by weight for each individual Defect and all defects in total (where applicable).

Where a Size Limit Does Not Apply:

- 6.15 Hand-pick any Defective pulses from the entire 200 gram or 400 gram sample.
- 6.16 Weigh each Defect sub category and calculate the percentage by weight for each individual Defect and all defects in total (where applicable).

Foreign and Unmillable Material

Note that variations to the following procedure may apply depending on the pulse type.

- 7. Examine the sample and pick out any Foreign Material. Where individual tolerances exist for categories within Foreign Material such as Snails, Field Insects, Grasshoppers or Locusts, Ryegrass Ergot, Unmillable Material and Foreign Seeds, these must be separated from the sample into their individual constituents. It may be easier to weigh each category separately to determine the level prior to combining all categories to determine the total Foreign Material. Divide the weight of each category and total weight of all categories combined by two for a 200 gram sample and by four for a 400 gram sample to calculate the % of each category and Foreign Material level combined – this is recorded as a % for all parameters except Ryegrass Ergot.

For Ryegrass Ergot, align all pieces end on end and measure the length in cm. Record to the nearest 0.1cm. This material is included in the total Foreign Material.

- 8. From the total Foreign Material, extract the Unmillable Material (or alternatively conduct this assessment prior to determining total Foreign Material). Using a device such as a colander, sieve this Unmillable Material to remove the soil. It may be necessary to continue to hand-pick soil from the sample to remove it all. Divide this number by two for a 200 gram sample and by four for a 400 gram sample to calculate the % of Soil within the Unmillable Material. Note that most Standards have a tolerance for Soil within the total Unmillable Material.
- 9. Examine all the trays or the entire 200 gram or 400 gram sample for the presence of nominated Foreign Seeds. Any Foreign Seed pods must be opened and the seeds counted except where pods have a specified tolerance. Most commodities have common tolerances for seeds in the entire 200gram or 400gram sample. Refer Appendix B for tolerances to apply.

For all pulses except Field Peas, where Field Peas are present in the sample, it is recommended these be broken open to determine the presence of live Pea Weevil. In most commodities, a nil tolerance applies. Where required additional Field Peas should be collected from the GLC sample or from the surface of the truck.

- 10. From the Foreign Seeds category, separate out any Small Foreign Seeds and weigh them. Again, a colander may assist in this task but hand-picking may still be required. Divide the weight by two for a 200 gram sample and by four for a 400 gram sample to calculate % Small Foreign Seeds.

11. “FORTY SHAKES” SIEVING METHOD

To be used for the assessment of Defective grains where all seed material of the pulse in question being assessed that fall below the screen is included in the definition for Defective.

USE EITHER:

An automatic shaking machine that correlates to the Manual Reference Method (B) below.

OR:

(B) The Manual Reference Method as follows:

- a) A 200 or 400 gram sample of grain shall be weighed on an appropriate balance that is accurate under the conditions of use to plus or minus 0.01 gram.
- b) All screen surfaces (top, middle and/or bottom) shall be clean, smooth, dry and free of grain residue.
- c) The sieving process shall occur on a flat and smooth screen movement table. Marks at each end of the table shall indicate a screen movement of thirty centimetres.
- d) With the screen resting against one of the marks, the 200 or 400 gram sample of grain is to be placed in one movement centrally onto the surface of the screen. No additional movement or spreading of the sample over the screen surface is to occur.
- e) Where applicable, with the slots facing away/towards the operator (top, middle and/or bottom), the screen shall be evenly moved forty times in a to and fro motion, that is, forty aways and forty returns in the direction of the slots and with the screen being moved on the surface of the screen movement table.
- f) Each of the forty to and fro movements are to take one second, so that the complete screen movement process occupies forty seconds.
- g) The front edge of the screen shall travel thirty centimetres forward and the same distance back.
- h) At the completion of the forty to and fro movements, the screen shall be gently removed from the bottom catch pan.
- i) Pulse seed material passing through the nominated screen into the catchpan must be separated into the various fractions as described by the relevant commodity Standard.

12. **SOIL CONTAMINATION – IMPORTANT NOTE**

Recognising the inevitability of a small level of Soil contamination at harvest, and in order to provide a practical standard that recognises both the difficulty for delivery of Farmer Dressed pulses completely free of Soil, and the requirement of most importing countries for zero tolerance of Soil in imported product, the Receival Standards for almost all Farmer Dressed pulses have been set at a maximum of 0.5% total Unmillable Material by weight, which includes a maximum of 0.3% of Soil by weight. For most Machine Dressed product the Export Standards have been set at a maximum of 0.1% of Unmillable Material by weight, which includes Soil.

Note there is no size limit on the definition of Soil.

These Pulse Standards have been set on the basis of past experience, which has shown that at the levels set, any Soil present at receival is likely to dissipate through the normal handling and/or settling processes to the point of being undetectable.

All industry participants should, however, be aware that most importing countries prohibit any Soil contamination whatsoever, and it is the responsibility of all individuals involved in the trade of pulses to confirm for themselves prior to shipment, that Soil levels in any consignment conform with the specifications of their contract and/or the legal requirements of the importing country and will pass the Australian Quarantine and Inspection Service (AQIS) inspection process.

For further guidance on importing country quarantine requirements, refer to the AQIS PHYTO database at http://www.aqis.gov.au/phyto/asp/ex_home.asp

13. Approved Sampling Devices

Recognising industry uses various sampling devices to obtain samples of pulses in loads tendered for delivery, the following is a set of guiding principles that industry should refer to when sampling pulses and using these devices:

13.1 General

- Industry is free to use any sampling device they require to obtain a representative sample of the load
- Probes should be operated only when safe to do so and according to company OH&S policy
- All probes and associated equipment should be clean, free of contaminants from prior loads, rust and chemical residues
- All probes and associated equipment should be thoroughly cleaned when the prior load has been rejected due to the presence of a nil tolerance parameter such as live Stored Grain Insects or weed seeds
- Probing of a load can only effectively commence when full access to the entire load is obtained
- If the entire load cannot be appropriately sampled, there is a risk of obtaining a sample that is not representative (i.e., if probe does not reach the bottom or near the bottom of the load on the side of the load away from the sampler)
- All probes should be placed into the load and pushed as far as possible into the load
- There is no maximum number of probes to be taken from a load. The minimum number of probes to be taken from a load as recognised by industry is outlined in point 1 of these Procedures

13.2 Manual Probes

- Manual probes should be of sufficient length to reach at or near the bottom of the load
- Probes should be closed prior to inserting into or removing from the load
- Probes should be inserted in as near a vertical position as possible into the load
- When sampling pulses, especially loads containing high levels of Foreign Material, probes tend to block and be difficult to open and close. It is recommended to clean probes as often as required
- Do not use oil, water or grease to clean probes as Foreign Material may adhere to the probe further blocking it

13.3 Vacuum Probes

- Vacuum probes should be made of sturdy material so that they do not bend or distort when pushed into the load
- Check to ensure there are no leaks that may reduce suction
- The vacuum suction strength should be sufficient to obtain samples from at or near the bottom of the load
- The probe should be inserted into the load in a smooth motion so that the probe spends an equal amount of time at all depths of the load and thus obtains an equal amount of grain from all points within the load
- Consideration should be given to not obtaining a sample from the top few centimetres of the load as a non-representative sample may be obtained in this manner
- The probe should not be kept at specific depths of the load (such as on or near the bottom) for a different period of time in respect to other areas as a representative sample may not be obtained

- The probe should not be used if any material from the previous load remains in the hose attached to the probe
- The vacuum device should continue to run until there is no material remaining in the probe and hose attached to the probe
- It is recommended to use a hose attached to the probe that has a smooth inner surface to reduce the risk of becoming blocked with material
- The sample collection bin should not contain material from a prior load that may lead to rejection of the next sampled load or contamination of that sample

13.4 Pneumatic Probes

- Pneumatic probes should only be operated where the operator has full access and can visually inspect the entire surface of the load
- The device should have sufficient reach to be inserted into all areas of the load and to reach at or near the bottom of the load
- The device should be run until all grain has been removed from the device and collected into the sample collection bin
- The sample collection bin should not contain material from a prior load that may lead to rejection of the next sampled load or contamination of that sample

14. Sizing Procedure

This procedure has been developed for sizing of samples often required for Machine Dressed Export product. This is also referred to as Retention. While this procedure may not be required for all Machine Dressed Export product the following is a guide for industry consideration:

- a) Sample to be sized is first to be assessed as per the relevant Standard
- b) Prior to sizing, all non-pulse material (i.e., Foreign Material) is to be removed from the sample. Weigh the remaining pulse material and record the result
- c) The remaining pulse material after removal of Foreign Material is to be placed on the relevant sized screen
- d) The screen is to be shaken using the procedure for assessment of defects falling through the screen i.e., 40 shakes of the sieve as per method 11 “Forty Shakes Sieving Method”
- e) Weigh the pulse material passing through the sieve after screening. Calculate the percentage by weight using the total sample weight - this is the percentage falling through the screen. Alternatively weigh the material remaining on top of the sieve after screenings – this is the percentage remaining above the screen (Retention)

15. De-Hulling Procedure

This procedure has been developed for de-hulling the kernel prior to assessment of seed kernel defects for all commodities where kernels are to be assessed:

- a) Assessment for kernel defects to occur on ‘as is’ dirty sample basis i.e., without the removal of Foreign Material or defects

- b) A minimum of 200 grams of the 'as is' sample obtained following probing the load is to be de-hulled. A larger sample may be used where required.
- c) To assist in a more rapid assessment process, the de-hulling method should occur at the same time as the sample is being assessed for other quality parameters i.e., obtain a minimum 200 grams from the probe sample and start the de-hulling unit and a further 200 grams from the probe sample and commence assessment for all quality parameters except kernel defects
- c) Following de-hulling, assessment for defects is to occur on the de-hulled sample
- d) During the de-hulling process, parts of the kernel may be broken off causing "a chalky appearance" on the kernel. Kernels are not to be assessed as defective as a result of these chalky/dusty particles. These particles and dust may be gently removed by various means such as a damp cloth

SECTION 5 QUALITY CHARTS

The following tables represent the grades of various Standards as defined in this Standards Manual.

Standards exist for various commodities in various forms, including:

- At Receival – Farmer Dressed
- At Export – Farmer Dressed or Machine Dressed
- Other Processed commodities

All Standards are referred to by a CSP number, unique to each Standard.

To fully understand and accurately implement these pulse Standards, reference should be made to other relevant sections in this Standards Manual, this includes Definitions, Pulse Classification Procedures and the Appendices.

As stated previously, the following Standards are applicable at the time of publishing of this Manual.

Variations and new Grades may exist and industry is encouraged to keep updated with changes via reviewing the Pulse Australia website at <http://www.pulseaus.com.au> and other relevant industry information sources.

CSP – 1.1 ADZUKI BEANS MINIMUM RECEIVAL STANDARD FARMER DRESSED

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|---|
| Physical Characteristics | The Adzuki Beans shall be sound, dry, fresh and have true varietal colour and characteristics for “Bloodwood” and “Erimo”. | |
| Purity | 99% Min by weight | Whole Adzuki Beans, defective Adzuki Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 5% Max by weight, includes nil mould (field or storage), 3% Max by weight Split/Broken and 1% Max by weight Damaged | Adzuki Beans not of the specified variety and Adzuki Beans that are bin burnt, caked, chipped, damaged, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, sprouted, split/broken, weather damaged, wrinkled and / or affected by mould (field or storage). Includes whole pods containing seed and all Adzuki Bean seed material falling through the 4.33mm round hole screen - see Point 11 of Procedures. |
| Split / Broken | 3% Max by weight | Adzuki Beans that are not whole. |
| Damaged | 2% Max by weight | Sprouted or insect damaged only. |
| Poor Colour | 1% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. See Definition Section for description of Poor Colour. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Adzuki Bean material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 1.2 ADZUKI BEANS MINIMUM EXPORT
STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|---|
| Physical Characteristics | The Adzuki Beans shall be sound, dry, fresh and have true varietal colour and characteristics for “Bloodwood” and “Erimo”. | |
| Purity | 99.5% Min by weight | Whole Adzuki Beans, defective Adzuki Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight | Adzuki Beans not of the specified variety and Adzuki Beans that are bin burnt, caked, chipped, damaged, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, sprouted, split/broken, weather damaged, wrinkled and / or affected by mould (field or storage). Includes whole pods containing seed and all Adzuki Bean seed material falling through the 4.76mm round hole screen (No.1 grade) or 4.76mm (No.2 grade) - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Adzuki Bean material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes grasshoppers and/or Locusts. |
| Foreign Seeds | Nil tolerance | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 2.1.1 BROAD BEANS MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|--|
| Physical Characteristics | Broad Beans shall be sound, dry, fresh and be colour typical for the variety of the season. | |
| Purity | 97% Min by weight | Whole Broad Beans, defective Broad Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 7% Max by weight, includes 1.5% Max by weight Insect Damaged, 6% Max by weight Mechanical Damage, 3% Max by weight Poor Colour, 3% Max by weight Ascochyta & nil mould (field or storage) | Broad Beans not of the specified variety and Broad Beans remaining above the 6mm slot screen that are bin burnt, broken, caked, chipped, damaged, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and/or affected by mould (field or storage). Includes whole pods containing seed, Mechanical Damage, Kernel Damage, Poor Colour, Ascochyta Affected and Screenings. |
| Screenings | 5% Max by weight, 6 mm slot | All material passing through a 6 mm slotted screen is part of Screenings or Foreign Material. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Mechanical Damage | 6.0% Max by weight, includes 5% Max by weight Seed Coat damage and 3% Max by weight Kernel Damage | Includes tolerances of 3% maximum Kernel Damage and 5% maximum Seed Coat damage. |
| Poor Colour | 3% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. Including evergreens (Max 2%), old season, dark beans and nil tolerance for black beans. Refer to Pulse Australia Broad Bean Visual Quality Standards. |
| Ascochyta | 3% Max by weight | Broad Beans affected with a spot greater than 4mm or more than one spot with combined size greater than 4mm. Affected is where the Ascochyta lesion is visible on the seed coat. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Broad Bean material. |
| Unmillable Material | 0.5% Max by weight (of which Max 0.3% soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 2.1.2 BROAD BEANS MINIMUM EXPORT
STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|--|
| Physical Characteristics | The Broad Beans shall be sound, dry, fresh and colour typical for the variety of the season. | |
| Purity | 97% Min by weight | Whole Broad Beans, defective Broad Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 8% Max by weight. Includes Max 1.5% by weight Insect Damaged, 6% Max by weight Mechanical Damage, 3% Max by weight Poor Colour and 3% Max by weight Ascochyta | Broad Beans not of the specified variety and Broad Beans remaining above the 6mm slot screen that are bin burnt, broken, caked, chipped, damaged, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and/or affected by mould (field or storage). Includes whole pods containing seed, Mechanical Damage, Kernel Damage, Poor Colour, Ascochyta Affected and Screenings. |
| Screenings | 5% Max by weight, 6 mm slot | All material passing through a 6 mm slot screen is part of Screenings or Foreign Material. Use “Forty Shakes” Sieving Method - see Point 11 of Procedures. |
| Mechanical Damage | 6.0% Max by weight, includes 5% Max by weight Seed Coat damage and 3% Max by weight Kernel Damage | Includes tolerances of 3% maximum Kernel Damage and 5% maximum Seed Coat damage. |
| Poor Colour | 3% Max by weight, includes 1% Max grains Black Beans (affected by mould (field or storage) or moisture) | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. Including evergreens (Max 2%), old season, dark beans or affected by mould (field or storage). Refer to Pulse Australia Broad Bean Visual Quality Standards. |
| Ascochyta | 3% Max by weight | Broad Beans affected with a spot greater than 4mm or more than one spot with combined size greater than 4mm. Affected is where the Ascochyta lesion is visible on the seed coat. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Broad Bean material. |
| Unmillable Material | 0.5% Max by weight (of which Max 0.3% soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 2.1.3 BROAD BEANS MINIMUM EXPORT
STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|---|
| Physical Characteristics | The Broad Beans shall be sound, dry, fresh and colour typical for the variety of the season. | |
| Purity | 99.5% Min by weight | Whole Broad Beans, defective Broad Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 7% Max by weight Bulk vessel hold shipment: 10% Max by weight. All include Max 1.5% by weight Insect Damaged, 6% Max by weight Mechanical Damage, 3% Max by weight Poor Colour and 3% Max by weight Ascochyta | Broad Beans not of the specified variety and Broad Beans remaining above the 6mm slot screen that are bin burnt, broken, caked, chipped, damaged, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and/or affected by mould (field or storage). Includes whole pods containing seed, Mechanical Damage, Poor Colour, Ascochyta Affected and Screenings. |
| Screenings | 1% Max by weight, 6 mm slot | All material passing through a 6 mm slot screen is part of Screenings or Foreign Material. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Mechanical Damage | 6.0% Max by weight, includes 5% Max by weight Seed Coat damage and 3% Max by weight Kernel Damage | Includes tolerances of 3% maximum Kernel Damage and 5% maximum Seed Coat damage. |
| Poor Colour | 3% Max by weight | Seed Coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. Refer to the Pulse Australia Broad Bean Visual Quality Standard. |
| Ascochyta | 3% Max by weight | Broad Beans affected with a spot greater than 4mm or more than one spot with combined size greater than 4mm. Affected is where the Ascochyta lesion is visible on the seed coat. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Broad Bean material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Two (2) Max | Dead per 400g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

Note: The Broad Beans shall be designated into a category based on the final grade achieved by the majority (greater than 90%) of the Broad Beans once cleaned and graded e.g. 90% of Broad Beans must be retained above an 11mm round hole screen or 14mm round hole screen to be classified as 11mm or 14mm sized, respectively.

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 2.2 BROAD BEANS – NO: 1 SPLIT MINIMUM
EXPORT STANDARD**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|---|
| Physical Characteristics | The Broad Beans shall have a clean and bright appearance and shall be milled from hard and well-filled Broad Beans. | |
| Purity | 99% Min by weight | Split and whole Broad Beans & caps but excludes detached seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 7% Max by weight, includes 3% Max by weight Poor Colour and 1% Max by weight Caps | Broad Beans not of the specified variety and Broad Beans that are bin burnt, broken, caked, chipped, damaged, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, sprouted, weather damaged, wrinkled, affected by field mould, whole pods containing seed and immature Broad Beans, caps, Broad Beans with the Seed Coat intact, Broad Beans with a Missing Seed Coat and Poor Colour Broad Beans. |
| Caps | 1% Max by weight | Seed coats adhering to split or broken seed. |
| Poor Colour | 3% Max by weight of immature Broad Beans | Broad Beans with green kernels from premature ripening and discoloured beans with cotyledons (seed) distinctly off colour from the characteristic colour of the predominating class. Includes Ascochyta affected lesions. |
| Broken & Kibbled | 4% Max by weight, 7.00 mm round hole | Broad Bean seed material that passes through a 7.00 mm round hole screen. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Detached Seed Coats and 0.1% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Broad Bean seed material, but includes detached seed coats. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Not more than one (1) stone per kg. Please read important note re soil contamination – see Point 12 of Procedures. |
| Detached Seed Coats | 0.1% Max by weight | ---- |
| Snails | Nil tolerance | |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 3.1 CALOONA / POONA COWPEAS MINIMUM EXPORT STANDARD
MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|---|
| Physical Characteristics | The Cowpeas shall have a good bright appearance of the specified type i.e. buff coloured or red. | |
| Purity | 99% Min by weight | Whole Cowpeas, defective Cowpeas, Cowpeas other than specified type. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight | Cowpeas not of the specified variety. Cowpeas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Cowpeas, whether broken or unbroken and loose seed coat. |
| Poor Colour | 1% Max by weight | Seed coat or kernel which is distinctly off colour from the characteristic colour of the predominating class of the specified type. Includes Ascochyta affected lesions. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Cowpea seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil Tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

NOTE: Sowing seed shall have a minimum germination of 85% including hard seeds (I.S.T.A).

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 4.1.1 CHICKPEAS – DESI TYPE MINIMUM RECEIVAL STANDARD
FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Desi type chickpeas should be sound, dry, fresh and light to medium brown in colour (a slight greenish tinge is allowed). Black is excluded as the predominating class. | |
| Purity | 97% Min by weight | Includes whole Desi type chickpeas, defective Desi type chickpeas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 6% Max by weight, includes 2% Max by weight Poor Colour and nil mould (field or storage) | Desi type chickpeas that are bin burnt, broken, chipped, frost damaged, diseased, fully green, hail damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Desi type chickpeas, whether broken or unbroken, loose seed coats and all Desi Chickpea seed material falling through the 3.97mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes max 1% by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. Must comply with the 1% Ascochyta detailed below. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight Field Peas and 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Desi type chickpea seed material. |
| Unmillable Material | 0.5% Max by weight (of which Max 0.3% soil) | Includes soil, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 4.1.2 CHICKPEAS – DESI TYPE MINIMUM EXPORT
STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|---|
| Physical Characteristics | The Desi type Chickpeas should be sound, dry, fresh and light to medium brown in colour (a greenish tinge is allowed). Black is excluded as the predominating class. | |
| Purity | 97% Min by weight | Whole Desi type Chickpeas, defective Desi type Chickpeas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 8% Max by weight Bulk vessel hold shipment: 10% Max by weight All include Poor Colour | Desi type chickpeas that are bin burnt, broken, chipped, diseased, frost damaged, fully green, hail damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Desi type chickpeas, whether broken or unbroken, loose seed coats and all Desi Chickpea seed material falling through the 3.97mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, of which Max 1% by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. Must comply with the 1% Ascochyta detailed below. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight Field Peas and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Desi type Chickpea seed material including not more than 2% by weight of Field Peas. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 4.1.3 CHICKPEAS – DESI TYPE MINIMUM EXPORT
STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|---|
| Physical Characteristics | The Desi type Chickpeas should be sound, dry, fresh and light to medium brown in colour (a greenish tinge is allowed). Black is excluded as the predominating class. | |
| Purity | 99% Min by weight | Whole Desi type Chickpeas, defective Desi type Chickpeas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 3% Max by weight Bulk vessel hold shipment: 7% Max by weight All include Poor Colour | Desi type chickpeas that are bin burnt, broken, chipped, diseased, frost damaged, fully green, hail damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Desi type chickpeas, whether broken or unbroken, loose seed coats and all Desi Chickpea seed material falling through the 3.97mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. Must comply with the 1% Ascochyta detailed below. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable material | Unmillable material and all vegetable matter other than Desi type Chickpeas seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 4.2 CHICKPEAS – SPLIT CHANA DHAL
MINIMUM EXPORT STANDARD**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---|---|---|
| Physical Characteristics | The Chana Dhal Split Chickpeas shall be milled from hard and well-filled chickpeas that are characteristic of the colour and variety. | |
| Purity | 99% Min by weight | Whole chickpeas with a missing seed coat, Split chickpeas, kibble and broken seed and greenish tinged and discoloured splits combined. |
| Moisture | 14% Max | ---- |
| Whole chickpeas with a missing seed coat | 2% Max by weight | Whole Chickpeas with a missing seed coat. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. Must comply with the 1% Ascochyta detailed below. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Broken & Kibbled | 4% Max by weight, 3.57mm round hole | Chickpea seed material which passes through a 3.57mm round hole screen. Use “Forty Shakes” Sieving Method - see Point 11 of Procedures. |
| Caps & Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Caps are the seed coats adhering to split or broken seed measured as a combined weight. Foreign material includes unmillable material, and all vegetable matter other than Desi type Chickpea seed material. |
| Detached seed coats | 0.1% Max by weight | Seed coats that are not attached to the kernels. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 4.3.1 CHICKPEAS – KABULI TYPE No. 1 Grade Large
MINIMUM RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Kabuli type Chickpeas shall be sound, dry, fresh and cream to light brown in colour. Dark brown to black is excluded as the predominating class. | |
| Purity | 97% Min by weight | Whole Kabuli type Chickpeas, defective Kabuli type Chickpeas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 3% Max by weight, includes 2% Max by weight Poor Colour and nil mould (field or storage) | Kabuli Type Chickpeas not of the specified variety and Kabuli type Chickpeas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes whole pods containing seed and all Kabuli Chickpea seed material falling through the 6.00mm round hole screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 3% Max by weight, includes Max 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Kabuli type Chickpeas seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

CSP – 4.3.2 CHICKPEAS – KABULI TYPE No. 1 Grade
Large MINIMUM EXPORT STANDARD MACHINE DRESSED

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|--|
| Physical Characteristics | The Kabuli Type Chickpeas shall be sound, dry, fresh and cream to light brown in colour. Dark brown to black colour is excluded as the predominating class. | |
| Purity | 99.5% Min by weight | Whole Kabuli type chickpeas, defective Kabuli type chickpeas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight, includes 2% Max by weight Poor Colour | Kabuli Type Chickpeas not of the specified variety and Kabuli type Chickpeas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes whole pods containing seed and all Kabuli Chickpea seed material falling through the 6.00mm round hole screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Kabuli Type Chickpea seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Two (2) Max | Dead per 400g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Nil tolerance | ---- |

NOTE: The minimum and/or maximum size in millimetres applying to at least 92% of the Kabuli type chickpea of the lot agreed between the buyer and seller e.g. 8mm sized Kabuli type chickpeas, must have a retention of 92% above a 8mm round hole screen. See Point 14 of Procedures.

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 4.3.3 CHICKPEAS – KABULI TYPE No. 1 Grade Small
MINIMUM RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Kabuli type Chickpeas shall be sound, dry, fresh and cream to light brown in colour. Dark brown to black is excluded as the predominating class. | |
| Purity | 97% Min by weight | Whole Kabuli type Chickpeas, defective Kabuli type Chickpeas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 3% Max by weight, includes 2% Max by weight Poor Colour and nil mould (field or storage) | Kabuli Type Chickpeas not of the specified variety and Kabuli type Chickpeas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes whole pods containing seed and all Kabuli Chickpea seed material falling through the 5.00mm round hole screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Kabuli type Chickpeas seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 4.3.4 CHICKPEAS – KABULI TYPE No. 1 Grade Small
MINIMUM EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|--|
| Physical Characteristics | The Kabuli Type Chickpeas shall be sound, dry, fresh and cream to light brown in colour. Dark brown to black colour is excluded as the predominating class. | |
| Purity | 97% Min by weight | Whole Kabuli type chickpeas, defective Kabuli type chickpeas and seed coats |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 8% Max by weight Bulk vessel hold shipment: 10% Max by weight All include Poor Colour | Kabuli Type Chickpeas not of the specified variety and Kabuli type Chickpeas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes whole pods containing seed and all Kabuli Chickpea seed material falling through the 5.00mm round hole screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Kabuli Type Chickpea seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | ---- |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 4.3.5 CHICKPEAS – KABULI TYPE No. 1 Grade Small
MINIMUM EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|--|
| Physical Characteristics | The Kabuli Type Chickpeas shall be sound, dry, fresh and cream to light brown in colour. Dark brown to black colour is excluded as the predominating class. | |
| Purity | 99.5% Min by weight | Whole Kabuli type chickpeas, defective Kabuli type chickpeas and seed coats |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight, includes 2% Max by weight Poor Colour | Kabuli Type Chickpeas not of the specified variety and Kabuli type Chickpeas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes whole pods containing seed and all Kabuli Chickpea seed material falling through the 5.00mm round hole screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight, includes 1% Max by weight Ascochyta | Kernel is distinctly blemished and / or off colour from the characteristic yellow colour of the predominating class. |
| Ascochyta | 1% Max by weight | Ascochyta affected means that an Ascochyta lesion is visible on the kernel. Classifiers are required to break the seed coat if they are not confident that the lesion has penetrated to the kernel. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Kabuli Type Chickpea seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

NOTE: The minimum and/or maximum size in millimetres applying to at least 92% of the Kabuli type chickpea of the lot agreed between the buyer and seller e.g. 8mm sized Kabuli type chickpeas must have a retention of 92% above a 8mm round hole screen. See Point 14 of Procedures.

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 5.1.1 FABA BEANS – CANNING GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Faba Beans shall be | sound, dry and fresh and light to medium brown or pale green in colour. |
| Purity | 97% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight, includes 1% Max by weight Poor Colour and nil mould (field or storage) | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Retention | 8 mm round hole | 90% of Faba Beans must not pass through the screen to be classified as 8mm. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Faba Beans with excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected with the plant. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 5.1.2 FABA BEANS – CANNING GRADE MINIMUM
EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|--|
| Physical Characteristics | The Faba Beans shall be hard and well filled and light to medium brown or pale green in colour. | |
| Purity | 99.5% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats |
| Moisture | 14% Max | ---- |
| Defective | 1.5% Max by weight, includes 1% Max by weight Poor Colour | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Retention | 8 mm round hole | 90% of Faba Beans must not pass through the screen to be classified as 8mm. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Faba Beans with excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected with the plant. |
| Unmillable Material | 0.1% Max by weight | Includes soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Two (2) Max | Dead per 400g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

NOTE: The Faba beans shall be designated into a category based on the final grade achieved by the majority (greater than 90%) once cleaned and graded e.g. 90% of faba beans must be retained above an 8mm round hole screen to be classified as 8mm.

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 5.2.1 FABA BEANS – NO.1 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Faba Beans shall be sound, dry and fresh and light to medium brown or pale green in colour. | |
| Purity | 97% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 6% Max by weight, includes nil mould (field or storage), 3% Max by weight Poor Colour, 3% Max by weight total of all other Defects | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 3% Max by weight | Faba Beans with excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected with the plant. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 5.2.2 FABA BEANS – NO.1 GRADE MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Faba Beans shall be sound, dry and fresh and light to medium brown or pale green in colour. | |
| Purity | 97% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 8% Max by weight Bulk vessel hold shipment: 10% Max by weight All include Poor Colour | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 3% Max by weight | Faba Beans with excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected to the plant. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 5.2.3 FABA BEANS – NO.1 GRADE MINIMUM
EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|--|
| Physical Characteristics | The Faba Beans shall be sound, dry and fresh and light to medium brown or pale green in colour. | |
| Purity | 99% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 6% Max by weight Bulk vessel hold shipment: 10% Max by weight All include Poor Colour | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 3% Max by weight | Faba Beans with excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected to the plant. |
| Unmillable Material | 0.1% Max by weight | Includes soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil Tolerance | ---- |
| Field Insects | Two (2) Max | Dead per 400g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 5.3.1 FABA BEANS – NO.2 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|--|
| Physical Characteristics | The Faba Beans shall be sound, dry and fresh and light to medium brown or pale green in colour. | |
| Purity | 97% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 10% Max by weight, includes 7% Max by weight Poor Colour & nil mould (field or storage) | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 7% Max by weight | Faba Beans with excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected to the plant. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 5.3.2 FABA BEANS – NO.2 GRADE MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Faba Beans shall be | sound, dry and fresh and light to medium brown or pale green in colour. |
| Purity | 97% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged) : 12% Max by weight Bulk vessel hold shipment: 14% Max by weight All include Poor Colour | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Poor Colour | 7% Max by weight | Discoloured Faba Beans have excessive discolouration of the seed coat as per the Pulse Australia Faba Bean Visual Quality Charts. Includes Ascochyta lesions |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks and plant material that may be connected to the plant. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 5.4.1 FABA BEANS – NO.3 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Faba Beans shall be | sound, dry and fresh and light to medium brown or pale green in colour. |
| Purity | 97% Min by weight | Whole Faba Beans, defective Faba Beans and seed coats |
| Moisture | 14% Max | ---- |
| Defective | 20% Max by weight of which 7% Max by weight bin burnt, caked, heat damaged, sprouted and nil mould (field or storage) | Faba Beans not of the specified variety and Faba Beans that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, poor colour, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Faba Beans, whether broken or unbroken, loose seed coat and all Faba Bean seed material falling through the 3.75mm slotted screen - see Point 11 of Procedures. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Faba Bean seed material. Foreign Material includes stalks & plant material that may be connected to the plant. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 5.5 FABIA BEANS – NO.1 SPLIT GRADE MINIMUM
EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---|---|---|
| Physical Characteristics | Good colour beans: split Faba Beans having a clean bright appearance. The Faba Beans shall be milled from hard and well filled whole Faba Beans | |
| Purity | 99.5% Min by weight | Whole Faba Beans, split Faba Beans, defective Faba Beans and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 3% Max by weight, includes 2% Max by weight Poor Colour, 2% Max by weight Caps and whole unshelled | Tolerances apply to Poor Colour, Caps and Faba Beans with the Seed Coat intact and Faba Beans with a Missing Seed Coat. |
| Poor Colour | 2% Max by weight | Kernel which is distinctly off colour from the characteristic colour of the predominating class. Includes Ascochyta and Green Faba beans. |
| Caps, Faba Beans with seed coat intact | 2% Max by weight | Caps are seed coats adhering to split or broken seed. |
| Broken & Kibbled | 4% Max by weight, 6mm round hole screen | Faba Bean seed material that passes through a 6mm round hole screen. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Detached Seed Coats | 0.1% Max by weight | ---- |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Includes unmillable material, detached seed coats and all vegetable matter other than unspecified Faba Bean seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Not more than one (1) stone per kg. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 6.1 FENUGREEK – WHOLE NO.1 GRADE
MINIMUM RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Fenugreek shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Fenugreek, defective Fenugreek and seed coats. |
| Moisture | 12% Max | ---- |
| Defective | 3% Max by weight, includes 1% Max by weight Varietal Restriction and nil mould (field or storage) | Fenugreek not of the specified variety and Fenugreek that is bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Fenugreek, whether broken or unbroken, loose seed coat and all Fenugreek seed material falling through the screen - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Fenugreek not of the specified variety. |
| Poor Colour | 1% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. Includes poor colour arising from disease such as bacterial blight, frost damage and water staining. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Fenugreek seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 6.2 FENUGREEK – WHOLE NO.1 GRADE
MINIMUM EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|---|
| Physical Characteristics | The Fenugreek shall be hard and well filled. | |
| Purity | 99% Min by weight | Whole Fenugreek, defective Fenugreek and seed coats. |
| Moisture | 12% Max | ---- |
| Defective | 2% Max by weight, includes 1% Max by weight Varietal Restriction | Fenugreek not of the specified variety and Fenugreek that is bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Fenugreek, whether broken or unbroken, loose seed coat and all Fenugreek seed material falling through the screen - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Not of the specified variety. |
| Poor Colour | 1% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. Includes poor colour arising from disease such as bacterial blight, frost damage and water staining. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Fenugreek seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.1.1 LENTILS – WHOLE GREEN NO.1 MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|---|
| Physical Characteristics | The Lentils shall be hard and well-filled and light green in colour. | |
| Purity | 97% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 4% Max by weight, includes 1% Max by weight Poor Seed Coat Colour, 1% Max by weight Poor Kernel Colour, Nil mould (field or storage) and 3% Max by weight of Defectives other than Poor Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether broken or unbroken, loose seed coat and all Green Lentil seed material falling through the 2mm slotted screen (Boomer 2.2mm) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and red, brown, black, bleached and chalky white kernels. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Lentil seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 7.1.2 LENTILS – WHOLE GREEN NO.1 MINIMUM EXPORT STANDARD
FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Lentils shall be hard and well-filled and light green in colour. | |
| Purity | 97% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Container (bulk or bagged): 5% Max by weight Bulk vessel hold shipment: 10% Max by weight Both include Poor Seed Coat Colour and Poor Kernel Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether broken or unbroken, loose seed coat and all Green Lentil seed material falling through the 2mm slotted screen (Boomer 2.2mm) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and red, brown, black, bleached and chalky white kernels. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Lentil seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.1.3 LENTILS – WHOLE GREEN NO.1
MINIMUM EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 99% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 3% Max by weight Bulk vessel hold shipment: 5% Max by weight Both include Poor Seed Coat Colour and Poor Kernel Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether broken or unbroken, loose seed coat and all Green Lentil seed material falling through the 2mm slotted screen (Boomer 2.2mm) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and red, brown, black, bleached and chalky white kernels. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Lentil seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.2.1 LENTILS – WHOLE RED NO.1 GRADE
MINIMUM RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 4% Max by weight, includes 1% Max by weight Poor Seed Coat Colour, 1% Max by weight Poor Kernel Colour, Nil mould (field or storage) and 3% Max by weight of Defectives other than Poor Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether 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) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and green, brown, black, yellow, bleached and chalky white kernels. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Lentil seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 7.2.2 LENTILS – WHOLE RED NO.1 GRADE
MINIMUM EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Container (bulk or bagged): 5% Max by weight Bulk vessel hold shipment: 10% Max by weight Both include Poor Seed Coat Colour and Poor Kernel Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether 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) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and green, brown, black, yellow, bleached and chalky white kernels. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Lentil seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.2.3 LENTILS – WHOLE RED NO.1 GRADE
MINIMUM EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 99% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective Seeds | Container (bulk or bagged): 3% Max by weight Bulk vessel hold shipment: 5% Max by weight Both include Poor Seed Coat Colour and Poor Kernel Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether 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) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Not of the specified variety. |
| Poor Seed Coat Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and green, brown, black, yellow, bleached and chalky white kernels. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Lentil seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.3.1 LENTILS – WHOLE RED NO.2 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 8% Max by weight, includes 3% Max by weight Poor Seed Coat Colour, 1% Max by weight Poor Kernel Colour, Nil mould (field or storage) and 5% Max by weight of Defectives other than Poor Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether 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) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 3% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and green, brown, black, yellow, bleached and chalky white kernels. |
| Foreign Material | 3% Max by weight, of which 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable other than Lentil seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 7.3.2 LENTILS – WHOLE RED NO.2 GRADE MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Container (bulk or bagged): 9% Max by weight Bulk vessel hold shipment: 14% Max by weight Both include Poor Seed Coat Colour and Poor Kernel Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether 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) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Lentils not of the specified variety. |
| Poor Seed Coat Colour | 3% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and green, brown, black, yellow, bleached and chalky white kernels. |
| Foreign Material | 3% Max by weight, of which 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Lentil seed material. Includes empty seed pods. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.3.3 LENTILS – WHOLE RED NO.2 GRADE
MINIMUM EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|---|
| Physical Characteristics | The Lentils shall be hard and well filled. | |
| Purity | 99% Min by weight | Whole Lentils, Defective Lentils and seed coats. |
| Moisture | 14% Max | ---- |
| Defective Seeds | Container (bulk or bagged): 7% Max by weight Bulk vessel hold shipment: 9% Max by weight Both include Poor Seed Coat Colour and Poor Kernel Colour | Lentils not of the specified variety. Lentil kernels that are bin burnt, black, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Lentils, whether 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) - see Point 11 of Procedures. |
| Varietal Restriction | 1% Max by weight | Not of the specified variety. |
| Poor Seed Coat Colour | 3% Max by weight | Discoloured Lentils have excessive discolouration of the seed coat as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining. |
| Poor Kernel Colour | 1% Max by weight | Discoloured Lentils have excessive discolouration of the kernel as per the Pulse Australia Lentil Visual Quality Charts. Includes any disease, frost and water staining, and green, brown, black, yellow, bleached and chalky white kernels. |
| Foreign Material | 1% Max by weight, of which 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Lentil seed material. Includes empty seed pods. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.4.1 LENTILS – SPLIT RED NO.1 GRADE
MINIMUM EXPORT STANDARD**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---|--|--|
| Physical Characteristics | Split Lentils having a clean and bright appearance. The Lentils shall be milled from hard and well-filled whole Red Lentil seed. | |
| Purity | 99.75% Min by weight | Split Lentils, whole Lentils, Broken & Kibbled and Caps. |
| Moisture | 14% Max | ---- |
| Poor Colour | 0.25% Max by weight | Kernel that is distinctly off colour from the characteristic colour of the predominating class. Includes kernels that are brown, black, green, yellow or bleached as per the Pulse Australia Lentil Visual Quality Charts. |
| Chalky White Disease | 0.25% Max by weight | Kernels that have a distinct chalky white lesion as per the Pulse Australia Lentil Visual Quality Charts. |
| Caps | 0.25% Max by weight | Caps are those seed coats adhering to split or broken seed. |
| Whole Lentils with a missing seed coat | 5% Max by weight | Whole lentils with a missing seed coat |
| Broken & Kibbled | 5% Max by weight, Northfield - 2.78 mm round hole All other varieties - 3 mm round hole | Lentil seed material falling through the screen. Use “Forty Shakes” Sieving Method - see Point 11 of Procedures. |
| Foreign Material | 0.25% Max by weight | Unmillable material (i.e. includes soil, stones, metals and non-vegetable matter) and all vegetable matter other than Lentil seed material including detached seed coats. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.4.2 LENTILS – SPLIT RED NO.2 GRADE
MINIMUM EXPORT STANDARD**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---|--|---|
| Physical Characteristics | Split Lentils having a clean and bright appearance. The Lentils shall be milled from hard and well-filled whole Red Lentil seed. | |
| Purity | 99.5% Min by weight | Split Lentils, whole Lentils, Broken & Kibbled and Caps. |
| Moisture | 14% Max | ---- |
| Poor Colour | 0.25% Max by weight | Kernel that is distinctly off colour from the characteristic colour of the predominating class. Includes kernels that are brown, black, green, yellow or bleached as per the Pulse Australia Lentil Visual Quality Charts. |
| Chalky White Disease | 0.25% Max by weight | Kernels that have a distinct chalky white lesion as per the Pulse Australia Lentil Visual Quality Charts. |
| Caps | 0.5% Max by weight | Caps are those seed coats adhering to split or broken seed. |
| Whole Lentils with a missing seed coat | 5% Max by weight | Whole lentils with a missing seed coat. |
| Broken & Kibbled | 5% Max by weight, Northfield - 2.78 mm round hole All other varieties - 3 mm round hole | Lentil seed material falling through the screen. Use “Forty Shakes” Sieving Method - see Point 11 of Procedures. |
| Foreign Material | 0.5% Max by weight, includes 0.3% Max by weight of soil | Unmillable material (i.e. includes soil, stones, metals and non-vegetable matter) and all vegetable matter other than Lentil seed material, including detached seed coats Please read important note re soil contamination – see Point 12 of Procedures.. |
| Snails | Nil tolerance | ---- |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 7.4.3 LENTILS – SPLIT RED NO.3 GRADE
MINIMUM EXPORT STANDARD**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---|--|---|
| Physical Characteristics | Split Lentils having a clean and bright appearance. The Lentils shall be milled from hard and well-filled whole Red Lentil seed. | |
| Purity | 99% Min by weight | Split Lentils, whole Lentils, Broken & Kibbled and Caps. |
| Moisture | 14% Max | ---- |
| Poor Colour | 0.25% Max by weight | Kernel that is distinctly off colour from the characteristic colour of the predominating class. Lentils which are green, brown, black or bleached as per the Pulse Australia Lentil Visual Quality Charts. |
| Poor Colour (yellow) | 2% Max by weight | Yellow kernel that is distinctly off colour from the characteristic colour of the predominating class as per the Pulse Australia Lentil Visual Quality Charts. |
| Chalky White Disease | 0.25% Max by weight | Kernels that have a distinct chalky white lesion as per the Pulse Australia Lentil Visual Quality Charts. |
| Caps | 2% Max by weight | Caps are those seed coats adhering to split or broken seed. |
| Whole Lentils with a missing seed coat | 5% Max by weight | Whole lentils with a missing seed coat. |
| Broken & Kibbled | 5% Max by weight, Northfield - 2.78 mm round hole All other varieties - 3 mm round hole | Lentil seed material falling through the screen. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Foreign Material | 1% Max by weight | Unmillable material (i.e. includes soil, stones, metals and non-vegetable matter) and all vegetable matter other than Lentil seed material, including detached seed coats. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | 2 cereal seeds Max | Cereal seeds exception only. See Appendix B for the remaining tolerance levels. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 8.1.1 LUPINS – ANGUSTIFOLIUS MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|---|
| Physical Characteristics | The Angustifolius Lupins shall be of the current season and be dry and mature. | |
| Purity | 97% Min by weight | Whole Angustifolius Lupins, defective Angustifolius Lupins and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 7% Max by weight including Max 36 per 200g Poor Colour seeds, Max 2 per 200g Bitter Dark Seeded Lupins, 17 Max per 200g of Phomopsis Affected seeds & nil mould (field or storage) | Angustifolius Lupins not of the specified type. Angustifolius Lupins that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Angustifolius Lupins, whether broken or unbroken, loose seed coats, poor colour, bitter dark seeded lupins and Phomopsis affected. |
| Poor Colour | Max 36 seeds per 200g | Yellow reddish / tan coloured Lupins. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight wild radish and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Angustifolius Lupin seed material. Includes tolerance for wild radish. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 8.1.2 LUPINS – ANGUSTIFOLIUS MINIMUM RECEIVAL STANDARD
WESTERN AUSTRALIA FARMER DRESSED**

| PARAMETERS | REQUIREMENTS | COMMENTS / VARIATIONS |
|--|---|--|
| Physical Characteristics | The Angustifolius Lupins shall be of the current season and be dry and mature. | |
| Moisture | 14% Max | ---- |
| Insect Damage | 10% Max by count | |
| Ryegrass Ergot / Lupin Sclerotes | 25mm Max length Ergot / Sclerotes. | Aggregate lined end to end per 200g. |
| Shrivelled / Distorted | 3% Max by weight | |
| Other Seeds / Foreign Material | 6% Max by weight | Combined weight of non-lupin seed material. |
| De-coated | 10% Max by count | Fully de-coated seeds. |
| Poor Colour | 3% Max by count | |
| Sappy Green/Sprouted | 5 seed Max by count | |
| Bitter / Dark Seeded Varieties | Two (2) Max Dark / Bitter seeds Thirty (30) Max Erregulla or Wodjil Lupins | Count per 200g sample. |
| Insects / Other (See also Appendix C) | Five (5) Max dead grain insects and Fifteen (15) Max Field Insects (Grasshoppers, Ladybirds, Wood Bugs, Pea / native Weevils and Army worms) Five (5) Max whole snail shells (dead or alive) One (1) Max Fungus Beetle (dead or alive) Sticks 10mm diameter Max; 30mm Max length Sand or stones Max weight of 0.20 grams combined | |
| Foreign Seeds (See also Appendix B) | One (1) Max each per 200g of Sunflower, Safflower and Variegated Thistle Three (3) Max per 200g Saffron Thistle Eight (8) Max per 200g Doublegees 2% Max by weight Small Foreign Seeds | |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Mould (field or storage) | Nil Tolerance | ---- |

Note – Standard as per GIWA

**CSP – 8.1.3 LUPINS – ANGUSTIFOLIUS MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Angustifolius Lupins shall be of the current season and be dry and mature. | |
| Purity | 97% Min by weight | Whole Angustifolius Lupins, Defective Angustifolius Lupins and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 9% Max by weight Bulk vessel hold shipment: 11% Max by weight Both include 36 Max per 200g Poor Colour; 2 Max per 200g Bitter Dark seeded Lupins and 17 Max per 200g of Phomopsis Affected seeds | Angustifolius Lupins not of the specified type. Angustifolius Lupins that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Angustifolius Lupins, whether broken or unbroken, loose seed coats, poor colour, bitter dark seeded lupins and Phomopsis affected. |
| Poor Colour | Thirty-six (36) seeds Max per 200g | Yellow reddish / tan coloured Angustifolius Lupins. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight wild radish and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Angustifolius Lupin seed material. Includes tolerance for wild radish. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 8.2.1 LUPINS – ALBUS NO.1 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Albus Lupins shall be of the current season and be dry and mature. | |
| Purity | 97% Min by weight | Whole Albus Lupins, Defective Albus Lupins and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 5% Max by weight including 1% Max by weight Poor Colour, 4 Max per 400g Bitter Dark seeded Lupins, 34 Max per 400g of Phomopsis Affected seeds & nil mould (field or storage) | Albus Lupins not of the specified variety. Albus Lupins that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Albus Lupins, whether broken or unbroken, loose seed coat, poor colour, bitter dark seeded lupins, Phomopsis affected and all Albus Lupin seed material falling through the 6.75m round hole screen - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Albus Lupins whose seed coat or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight wild radish and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Albus Lupin seed material. Includes tolerance for wild radish. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 8.2.2 LUPINS – ALBUS NO.1 GRADE MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETERS | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Albus Lupins shall be of the current season and be dry and mature. | |
| Purity | 97% Min by weight | Whole Albus Lupins, Defective Albus Lupins and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 5% Max by weight including 1% Max by weight Poor Colour, 4 Max per 400g Bitter Dark seeded Lupins, 34 Max per 400g of Phomopsis Affected seeds & nil mould (field or storage) | Albus Lupins not of the specified variety. Albus Lupins that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Albus Lupins, whether broken or unbroken, loose seed coat, poor colour, bitter dark seeded lupins, Phomopsis affected and all Albus Lupin seed material falling through the 6.75m round hole screen - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Albus Lupins whose seed coats or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight wild radish and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Albus Lupin seed material. Includes tolerance for wild radish. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 8.2.3 LUPINS – ALBUS NO.1 GRADE MINIMUM
EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|---|
| Physical Characteristics | The Albus Lupins shall be of the current season and be dry and mature. | |
| Purity | 99.5% Min by weight | Whole Albus Lupins, Defective Albus Lupins and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight including 1% Max by weight Poor Colour, 4 Max per 400g Bitter Dark seeded Lupins, 34 Max per 400g of Phomopsis Affected seeds & nil mould (field or storage) | Albus Lupins not of the specified variety. Albus Lupins that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Albus Lupins, whether broken or unbroken, loose seed coat, poor colour, bitter dark seeded lupins, Phomopsis affected and all Albus Lupin seed material falling through the 6.75m round hole screen - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Albus Lupins whose seed coats or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Albus Lupin seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Two (2) Max | Dead per 400g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 8.3.1 LUPINS – ALBUS NO.2 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Albus Lupins shall be of the current season and be dry and mature. | |
| Purity | 97% Min by weight | Whole Albus Lupins, Defective Albus Lupins and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 7% Max by weight including 2% Max by weight Poor Colour, 4 Max per 400g Bitter Dark seeded Lupins, 34 Max per 400g of Phomopsis Affected seeds & nil mould (field or storage) | Albus Lupins not of the specified variety. Albus Lupins that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Albus Lupins, whether broken or unbroken, loose seed coat, poor colour, bitter dark seeded lupins, Phomopsis affected and all Albus Lupin seed material falling through the 6.75m round hole screen - see Point 11 of Procedures. |
| Poor Colour | 2% Max by weight | Albus Lupins whose seed coats or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, includes 2% Max by weight wild radish and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Albus Lupin seed material. Includes tolerance for wild radish. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Two (2) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 400g sample. |
| Field Insects | Thirty (30) Max | Dead or alive per 400g sample. See Appendix C. |
| Grasshoppers & Locusts | Four (4) Max | Dead or alive per 400g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil Tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Four (4) cms Max | Pieces laid end to end per 400g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

CSP – 9 AMA STANDARDS FOR MUNGBEANS MINIMUM EXPORT STANDARDS

| Appearance | Sprouting | Cooking | No.1 Processing | Processing | Manufacturing |
|--|--|---|--|--|--|
| Berken Crystal ^{db} Emerald ^{db} White Gold TM | Equal to or better than the appearance of the standard sample. The standard sample is equal to or better than the No. 1. Processing grade sample. | Equal to or better than the appearance of the standard sample. The standard sample has a bright appearance. | Equal to or better than the appearance of the standard sample. The standard sample has a brighter appearance than processing, and colour will be more even. | Equal to or better than the appearance of the standard sample. | Lower than Processing grade standard sample. |
| Satin II ^{db} | Equal or better than the appearance of the standard sample. The standard sample is equal or better than the cooking grade sample. | Equal to or better than the appearance of the standard sample. The standard sample has an even appearance. | | Equal to or better than the appearance of the standard sample. | Lower than Processing grade standard sample. |
| Regur ^{db} | Equal to or better than the appearance of the standard sample. The standard sample has an even appearance but 2% brown is acceptable. | Equal to or better than the appearance of the standard sample. The standard sample has an even appearance but 2% brown is acceptable | | Equal to or better than the appearance of the standard sample. | Lower than Processing grade standard sample. |
| | Premium | No.1 | | Processing | Manufacturing |
| Green Diamond ^A Celera | Equal to or better than the appearance of the standard sample. The standard sample has an even appearance. | Equal to or better than the appearance of the standard sample. The standard sample has an even appearance. | | Equal to or better than the appearance of the standard sample. | Lower than Processing grade standard sample. |
| The Standards below relate to all Varieties of Mungbeans | | | | | |
| Size range (2mm) | 98% 75% must be in 0.8mm range | 98% 75% must be in 0.8mm range | 98% 75% must be in 0.8mm range | | |
| Purity | 99% 0.3% other seeds Max. Soil/Stone Content 0.1% | 99% 0.3% other seeds Max. Soil/Stone Content 0.1% | 99% 0.5% other seeds Max. Soil/Stone Content 0.1% | 99% 0.5% other seeds Max. Soil/Stone Content 0.1% | 99% 0.5% other seeds Max. Soil/Stone Content 0.1% 2% Splits allowable |
| Germination Excluding hard seeds | 90% | | | | |
| Over-soaks | 10% | | | | |
| Moisture | 12% | 12% | 12% | 12% | 12% |
| Charcoal Rot | Absent | | | | |
| Salmonella | Not Detected | | | | |
| E Coli | Not Detected | | | | |
| Coli forms | Not Detected | | | | |
| Sprout Test | Suitable | | | | |

See next page for explanations of Standards

Explanation of the AMA Standards

1. **Appearance;** Based on visual assessment against the standard sample at the time of testing. Appearance is determined on uniformity of colour, shades of colour, insect damage, lustre, brightness of colour, condition of skin coat and any other characteristics that effect appearance.
2. **Over-soaks;** Percentage of Mungbeans which imbibe after submerging in water at 32 degrees for one hour
3. **Purity;** By the International Seed Testing Association rules. Prohibited Seeds (nil tolerance) NSW & QLD lists. Nil Fungal bodies allowed
 - a. AQIS standard for soil/stone states that soil should not be superficially obvious
 - b. Manufacturing Grade will be 97% by ISTA but it must have a total purity of 99% of mungbean material.
4. **Germination;** By the International Seed Testing Association rules. Hard seed to be reported. Hard seeds not to be counted as germinable seed (excluded) for varieties Berken, Delta Emerald and Satin. There is no hard seed limit for Regur, Celera or Green diamond.
5. **Size Grading;** 98% must be within a 2mm range based on slotted sieves and within this range 75% must be within 0.8mm. (Seed size will be recorded on the certificate)
6. **Charcoal Rot;** Presence of Charcoal Rot tested at 32 degrees for 4 days.
7. **Moisture;** By International Seed Testing Association rules.
8. **Microbiological Standards;** Ecoli < 10/g Coli forms < 103/g, Salmonella Nil/25g. (If less than tolerance Not Detected to be reported)
9. **Lowest grade of any one of the above tests will be the overall grade given.**
10. **Sprout Test;** As per AMA approved procedures
11. **All Mungbeans covered by these Standards are to be Machine Dressed**
12. **Manufacturing grade is "Sale by Sample".**

**CSP – 10.1.1 PEAS – FIELD NO.1 GRADE MINIMUM RECEIVAL
STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The peas shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Field Peas, Defective Field Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 3% Max by weight, includes nil mould (field or storage) | Field Peas not of the specified variety. Field Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Field Peas, whether broken or unbroken, loose seed coat and all Field Pea seed material falling through the 3.75m slotted screen - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, includes 1 Max per 200g clover burr and 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Field Pea seed material. Includes a tolerance for clover burr. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

NOTE: Not less than 70% by weight of the entire sample shall be prime peas, that is, field peas of a size that will not pass through a 6.35mm round hole screen.

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 10.1.2 PEAS – FIELD NO.1 GRADE MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|--|--|
| Physical Characteristics | The Field Peas shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Field Peas, Defective Field Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 5% Max by weight Bulk vessel hold shipment: 7% Max by weight | Field Peas not of the specified variety. Field Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Field Peas, whether broken or unbroken, loose seed coat and all Field Pea seed material falling through the 3.75m slotted screen - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Field peas whose seed coats or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Field Pea seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

NOTE: Not less than 70% by weight of the entire sample shall be prime peas, that is, field peas of a size that will not pass through a 6.35mm round hole screen.

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 10.1.3 PEAS – FIELD NO.1 GRADE MINIMUM
EXPORT STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|--|--|
| Physical Characteristics | The peas shall be hard and well filled. | |
| Purity | 99% Min by weight | Whole Field Peas, Defective Field Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 2% Max by weight Bulk vessel hold shipment: 5% Max by weight | Field Peas not of the specified variety. Field Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Field Peas, whether broken or unbroken, loose seed coat and all Field Pea seed material falling through the 3.75m slotted screen - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight | Seed coat or kernel that is distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Field Pea seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers and/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

NOTE: Not less than 70% by weight of the whole shall be prime peas, that is, field peas of a size that will not pass through a 6.35mm round hole screen.

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 10.2.1 PEAS – FIELD NO. 2 GRADE MINIMUM
RECEIVAL STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The peas shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Field Peas, Defective Field Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 7% Max by weight, includes nil mould (field or storage) | Field Peas not of the specified variety. Field Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Field Peas, whether broken or unbroken and loose seed coat. |
| Poor Colour | No limit | ---- |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Field Pea seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 10.2.2 PEAS – FIELD NO. 2 GRADE MINIMUM
EXPORT STANDARD FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The peas shall be hard and well filled. | |
| Purity | 97% Min by weight | Whole Field Peas, Defective Field Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | Containers (bulk or bagged): 9% Max by weight Bulk vessel hold shipment: 11% Max by weight | Field Peas not of the specified variety. Field Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Field Peas, whether broken or unbroken and loose seed coat. |
| Poor Colour | No limit | ---- |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Field Pea seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 10.3 PEAS – YELLOW SPLIT MINIMUM EXPORT
STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---|---|---|
| Physical Characteristics | Yellow Split Peas having a clean and bright appearance. | |
| Purity | 99.5% Min by weight | Whole peas, split peas, broken & kibbled, Defective Yellow Split Peas, Caps but excludes detached seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 3% Max by weight, includes nil mould (field or storage) | Caps, Whole Field Peas with seed coat intact, discoloured yellow split peas and Whole Field peas with a missing seed coat. Includes nil mould (field or storage). |
| Caps, Whole Field Peas with seed coat intact and discoloured yellow split peas | 3% Max by weight | Caps refer to seed coats adhering to split or broken seed. |
| Whole field peas with a missing seed coat | 2% Max by weight | Whole Field peas with a missing seed coat |
| Detached seed coats | 0.1% Max by weight | Seed coats that are not attached to the kernels. |
| Broken & kibbled | 4% Max by weight, 3.97mm round hole | Split pea seed material falling through the screen. Use "Forty Shakes" Sieving Method - see Point 11 of Procedures. |
| Poor Colour | 1% Max by weight dark green and 3% Max by weight tinged green | Yellow Split Peas whose kernels are distinctly off colour from the characteristic colour of the predominating class. Includes dark green and tinged green. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Yellow Split Pea seed material. |
| Unmillable Material | 0.1% Max by weight, includes 1 Max per 1kg stone | Soil, stones, metals and non-vegetable matter. Not more than one (1) superficially obvious stone per kg. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | Nil tolerance | See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 11.1 PIGEON PEAS MINIMUM RECEIVAL
STANDARD FARMER DRESSED**

| PARAMETERS | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|---|
| Physical Characteristics | The Pigeon Peas shall be sound, dry, fresh and light to medium brown in colour. | |
| Purity | 97% Min by weight | Whole Pigeon Peas, Defective Pigeon Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 5% Max by weight, includes nil mould (field or storage) | Pigeon Peas not of the specified variety. Pigeon Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Pigeon Peas, whether broken or unbroken, and loose seed coat. |
| Poor Colour | 1% Max by weight | Pigeon Peas whose seed coat or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, includes 0.5% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Pigeon Pea seed material. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 11.2 PIGEON PEAS MINIMUM EXPORT
STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|---|
| Physical Characteristics | The Pigeon Peas shall be sound, dry, fresh and light to medium brown in colour. | |
| Purity | 99% Min by weight | Whole Pigeon Peas, defective Pigeon Peas and seed coats. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight | Pigeon Peas not of the specified variety. Pigeon Peas that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Pigeon Peas, whether broken or unbroken, and loose seed coat. |
| Poor Colour | 1% Max by weight | Pigeon Peas whose seed coat or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 1% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Pigeon Pea seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

**CSP – 12.1 VETCH MINIMUM RECEIVAL STANDARD
FARMER DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|-----------------------------------|---|--|
| Physical Characteristics | Vetch should be whole, sound, dry, fresh and colour typical of the variety of the season. | |
| Purity | 97% Min by weight | Includes whole Vetch, Defective Vetch, skins and de-coated Vetch. |
| Moisture | 14% Max | ---- |
| Defective | 5% Max by weight, includes nil mould (field or storage) | Vetch not of the specified variety. Vetch kernels that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Vetch, whether broken or unbroken and loose seed coat. Vetch where whole or part of the seed coat only is damaged, is included as sound Vetch. |
| Poor Colour | 1% Max by weight | Vetch whose seed coat or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 3% Max by weight, of which Max 2% by weight cereal grain and 0.5% Max by weight Unmillable Material | Includes unmillable material and all vegetable matter other than Vetch seed material. Includes cereal grain. |
| Unmillable Material | 0.5% Max by weight (of which 0.3% Max by weight of soil) | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | One (1) Max | Dead or alive. Whole or substantially whole (more than half) including bodies per 200g sample. |
| Field Insects | Fifteen (15) Max | Dead or alive per 200g sample. See Appendix C. |
| Grasshoppers & Locusts | Two (2) Max | Dead or alive per 200g sample. See Appendix C. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Two (2) cms Max | Pieces laid end to end per 200g sample. |

When not in conflict with existing individual Storage and Handling Agreements, the Outturn specification for mouldy grain is limited to 1%.

**CSP – 12.2 VETCH MINIMUM EXPORT
STANDARD MACHINE DRESSED**

| PARAMETER | REQUIREMENTS | COMMENTS / VARIATIONS |
|---------------------------------|---|--|
| Physical Characteristics | Vetch should be whole, sound, dry, fresh and colour typical of the variety of the season. | |
| Purity | 99.5% Min by weight | Whole Vetch, Defective Vetch, skins and de-coated Vetch. |
| Moisture | 14% Max | ---- |
| Defective | 2% Max by weight | Vetch not of the specified variety. Vetch kernels that are bin burnt, broken, caked, chipped, diseased, frost damaged, heat damaged, insect damaged, sappy, shrivelled, split, sprouted, weather damaged, wrinkled and affected by mould (field or storage). Includes pods that contain Vetch, whether broken or unbroken and loose seed coat. Vetch where whole or part of the seed coat only is damaged, is included as sound Vetch. |
| Poor Colour | 1% Max by weight | Vetch whose seed coat or kernels are distinctly off colour from the characteristic colour of the predominating class. |
| Foreign Material | 0.5% Max by weight, includes 0.1% Max by weight Unmillable Material | Unmillable material and all vegetable matter other than Vetch seed material. |
| Unmillable Material | 0.1% Max by weight | Soil, stones, metals and non-vegetable matter. Please read important note re soil contamination – see Point 12 of Procedures. |
| Snails | Nil tolerance | ---- |
| Field Insects | One (1) Max | Dead per 200g sample. See Appendix C. Includes Grasshoppers &/or Locusts. |
| Foreign Seeds | ---- | See Appendix B. |
| Objectionable Material | Nil tolerance | Includes Objectionable Odour, see Appendix A for more detail. |
| Ryegrass Ergot | Nil tolerance | ---- |

Please note that this Export Standard is in addition to the specific quarantine requirements of particular countries, as governed by AQIS. See Introduction.

APPENDIX A - OBJECTIONABLE MATERIAL

NIL Tolerance Applies to all Standards

Objectionable Material refers to objectionable foreign matter that may or may not be otherwise stated in these Standards which has the ability to degrade the hygiene of the pulse, become a food safety issue of concern or has a commercially unacceptable odour (refer Objectionable Odour). This includes but is not limited to the following:

- Animal excreta
- Rodents, either alive or dead
- Crushed insect bodies or parts that adhere to the grain causing clumping of the grain that may or may not cause an odour
- Live stored product insect pests. Commonly found stored product insects include the following:

| COMMON NAME | SCIENTIFIC NAME |
|--------------------------|----------------------------------|
| Angoumois Grain Moth | <i>Sitotroga cerealella</i> |
| Confused Flour Beetle | <i>Tribolium confusum</i> |
| Cowpea Bruchid | <i>Callosobruchus maculatus</i> |
| Flat Grain Beetle | <i>Cryptolestes spp.</i> |
| Granary Weevil | <i>Sitophilus granaries</i> |
| Indian Meal Moth | <i>Plodia interpunctella</i> |
| Khapra Beetle | <i>Trogoderma granarium</i> |
| Lesser Grain Borer | <i>Rhyzopertha dominica</i> |
| Maize Weevil | <i>Sitophilus zeamais</i> |
| Psocids/Book Lice | <i>Psocoptera spp.</i> |
| Rice Weevil | <i>Sitophilus oryzae</i> |
| Rust-red Flour Beetle | <i>Tribolium castaneum</i> |
| Saw Toothed Grain Beetle | <i>Oryzaephilus surinamensis</i> |
| Tropical Warehouse Moth | <i>Ephestia cautella</i> |
| Warehouse Beetle | <i>Trogoderma variable</i> |

- Any chemical not registered for use on pulses, in excess of legal tolerances or chemicals in excess of the MRL
- Pickling compounds / seed dressings or any fungicide added to the pulse as a seed dressing
- Any tainting agents and / or other contaminants imparting an odour not normally associated with that particular pulse
- A commercially objectionable odour and/or an odour not normally associated with the pulse in question. Odour may be caused by various means which may or may not be discernable in the sample being assessed

- Toxic and / or noxious weed seeds which are prohibited by State laws against inclusion in stockfeed
- Any other commercially unacceptable contaminant such as glass, metal, fertiliser, concrete
- At Receipt, includes mouldy and caked grains, bin burnt and heat damaged grains. Note that tolerances may apply for some of these parameters on outturn of the pulse

As many of these parameters such as chemicals are not able to be assessed on site prior to delivery of the pulse, it is the responsibility of the grower or deliverer of the pulse to ensure compliance with any regulations or Standards. It is recommended that a declaration be obtained by the Storage Agent regarding the chemical status of the pulse tendered for delivery.

APPENDIX B - FOREIGN SEEDS

WEED SEED DISCLAIMER

“The following weed seed tolerances apply to pulses traded under the standards as specified. Note however, that these weed seed tolerances may differ from those applied in each State and Territory under the respective legislation. All persons trading pulses are advised to refer to the relevant legislation for appropriate Standards to be complied with. Pulse Australia takes no responsibility for pulses traded which do not take into account the relevant legislative weed seed standards.”

Tolerances for Seed Contaminants apply to whole seeds or their equivalent in pieces per 200 gram or 400 gram sample (above or below the screen) of the following species. Any seed pods detected must be opened and the seeds counted for inclusion in the tolerances as specified, except where pods have a specified tolerance.

The tolerances listed below are maximums and refer to the total of all seeds named in each type, except for Type 1 in which the maximum applies on an individual seed basis. There shall be nil tolerance on Toxic and / or Noxious weed seeds which are prohibited by State laws against inclusion in stockfeed.

Please note that Small Foreign Seeds are seeds that are not the pulse being sampled and do not have a tolerance specified in Type 1 to 8 that collect in the catch pan during the Forty Shakes Sieving Method. Any weed seed not specifically mentioned in Appendix B that collect in the catch pan during this process are to be treated as a Type 7(b).

| TYPE 1 – FOUR SEEDS (Per 200g) – INDIVIDUAL SEED BASIS | |
|--|----------------------------------|
| TYPE 1 – EIGHT SEEDS (Per 400g) – INDIVIDUAL SEED BASIS | |
| Colocynth | Citrullus colocynthis |
| Doublegees, Spiny Emex or Three Cornered Jack | Emex australis |
| Jute | Corchorus olitorius |
| Long Head Poppy | Papaver dubium |
| Mexican Poppy | Argemone mexicana |
| New Zealand Spinach | Tetragonia tetragonioides |
| Parthenium Weed | Parthenium hysterophorus |
| Poppy (Field) | Papaver rhoeas |
| Poppy (Horned) | Glaucium flavum |
| Wild Poppy | Papaver hybridum |

| TYPE 2 – NIL SEEDS (Per 200g) | |
|--------------------------------------|--------------------------------|
| TYPE 2 – NIL SEEDS (Per 400g) | |
| Castor Oil Plant | <i>Ricinus communis</i> |
| Coriander | <i>Coriandrum sativum</i> |
| Crow Garlic or Wild Garlic | <i>Allium vineale</i> |
| Darling Pea | <i>Swainsona</i> spp |
| Opium Poppy | <i>Papaver somniferum</i> |
| Ragweed | <i>Ambrosia</i> spp |
| Rattlepods | <i>Crotalaria</i> spp |
| Starburr | <i>Acanthospermum hispidum</i> |
| St. Johns Wort | <i>Hypericum perforatum</i> |

| TYPE 3 (a) – ONE SEED IN TOTAL (Per 200g) | |
|---|----------------------------|
| TYPE 3 (a) – TWO SEEDS IN TOTAL (Per 400g) | |
| Bathurst Burr | <i>Xanthium spinosum</i> |
| Bulls Head or Caltrop or Cats Head | <i>Tribulus terrestris</i> |
| Cape Tulip | <i>Homeria</i> spp |
| Cottonseed | <i>Gossypium</i> spp |
| Dodder | <i>Cuscuta</i> spp |
| Noogoora Burr | <i>Xanthium pungens</i> |
| Thornapple | <i>Datura</i> spp |

| TYPE 3 (b) – TWO SEEDS IN TOTAL (Per 200g) | |
|--|---------------------|
| TYPE 3 (b) – FOUR SEEDS IN TOTAL (Per 400g) | |
| Vetch (Tare)* | <i>Vicia sativa</i> |
| Vetch (Commercial)* | <i>Vicia</i> spp |

* Nil tolerance applies to vetch of any type in Red Lentils (whole or split) to Saudi Arabia

| TYPE 3 (c) – FOUR SEEDS IN TOTAL (Per 200g) | |
|---|----------------------------------|
| TYPE 3 (c) – EIGHT SEEDS IN TOTAL (Per 400g) | |
| Heliotrope (Blue) | <i>Heliotropium amplexicaule</i> |
| Heliotrope (Common) | <i>Heliotropium europaeum</i> |

TYPE 4 (a) – TEN SEEDS IN TOTAL (Per 200g)**TYPE 4 (a) – TWENTY SEEDS IN TOTAL (Per 400g)**

| | |
|---------------------------------------|-----------------------------|
| Bindweed (Field) | <i>Convolvulus arvensis</i> |
| Cutleaf Mignonette | <i>Reseda lutea</i> |
| Darnel (Drake Seed) | <i>Lolium temulentum</i> |
| Hexham Scent or Melilot (King Island) | <i>Melilotus indicus</i> |
| Hoary Cress | <i>Cardaria draba</i> |
| Mintweed | <i>Salvia reflexa</i> |
| Nightshades | <i>Solanum spp</i> |
| Paddy Melon | <i>Cucumis myriocarpus</i> |
| Skeleton Weed | <i>Chondrilla juncea</i> |
| Variegated Thistle | <i>Silybum marianum</i> |

Hexham Scent (*Melilotus indicus*) may only be received if there is no discernible tainting odour imparted to the grain.

TYPE 5 – TWENTY SEEDS IN TOTAL (Per 200g)**TYPE 5 – FORTY SEEDS IN TOTAL (Per 400g)**

| | |
|---|----------------------------|
| Knapweed (Creeping) or Knapweed (Russian) | <i>Acroptilon repens</i> |
| Sesbania Pea | <i>Sesbania cannabina</i> |
| Patterson's Curse or Salvation Jane | <i>Echium plantagineum</i> |

TYPE 6 – FIVE SEEDS/PODS IN TOTAL (Per 200g)**TYPE 6 – TEN SEEDS/PODS IN TOTAL (Per 400g)**

| | |
|--------------------|------------------------------|
| Colombus Grass | <i>Sorghum alnum</i> |
| Johnson Grass | <i>Sorghum halepense</i> |
| Saffron Thistle | <i>Carthamus lanatus</i> |
| Clover (Pods) | <i>Trifolium spp</i> |
| Lucerne (Pods) | <i>Medicago spp</i> |
| Marshmallow (Pods) | <i>Malva parviflora</i> |
| Medic (Pods) | <i>Medicago spp</i> |
| Muskweed (Pods) | <i>Myagrum perfoliatum</i> |
| Wild Radish (Pods) | <i>Raphanus raphanistrum</i> |
| Trefoil (Pods) | <i>Medicago spp</i> |

Pods refers to whole pods or part thereof

TYPE 7 (a) – TEN SEEDS IN TOTAL (Per 200g)**TYPE 7 (a) – TWENTY SEEDS IN TOTAL (Per 400g)**

| | |
|----------------------------------|--------------------------|
| Chickpeas | <i>Cicer arietinum</i> |
| Corn | <i>Zea mays</i> |
| Cowpea | <i>Vigna unguiculata</i> |
| Faba Beans | <i>Vicia faba</i> |
| Lentils | <i>Len culinaris</i> |
| Lupin | <i>Lupinus spp</i> |
| Maize | <i>Zea mays</i> |
| Peas (Field) | <i>Pisum sativum</i> |
| Soybean | <i>Glycine Max</i> |
| Excludes the pulse being sampled | |

TYPE 7 (b) – TEN SEEDS IN TOTAL (Per 200g)**TYPE 7 (b) – TWENTY SEEDS IN TOTAL (Per 400g)**

| | |
|--|-------------------------------|
| Barley (2 row) | <i>Hordeum distichon</i> |
| Barley (6 row) | <i>Hordeum vulgare</i> |
| Bindweed (Australian) | <i>Convolvulus erubescens</i> |
| Bindweed (Black) | <i>Polygonum convolvulus</i> |
| Durum | <i>Triticum durum</i> |
| Oats (Black or Wild) | <i>Avena fatua</i> |
| Oats (Sand) | <i>Avena strigosa</i> |
| Oats (Common) | <i>Avena sativa</i> |
| Rice | <i>Oryza sativa</i> |
| Rye (Cereal) | <i>Secale cereale</i> |
| Sorghum (Grain) | <i>Sorghum bicolor</i> |
| Triticale | <i>Triticosecale spp</i> |
| Turnip Weed | <i>Rapistrum rugosum</i> |
| Wheat | <i>Triticum aestivum</i> |
| <i>Any other seed contaminant not specified (other than Small Foreign Seeds)</i> | |

TYPE 7 (c) – ONE SEED IN TOTAL (Per 200g)**TYPE 7 (c) – TWO SEEDS IN TOTAL (Per 400g)**

| | |
|-----------|-----------------------------|
| Safflower | <i>Carthamus tinctorius</i> |
| Sunflower | <i>Helianthus annuus</i> |

TYPE 8 – ONE HUNDRED SEEDS (Per 200g)**TYPE 8 – TWO HUNDRED SEEDS (Per 400g)**

| | |
|----------|------------------------|
| Bellvine | <i>Ipomoea plebera</i> |
|----------|------------------------|

| SMALL FOREIGN SEEDS Maximum 0.6% (by weight) | | | |
|---|------------------------------|---------------------------|------------------------------|
| <u>Common Name</u> | Botanical Name | <u>Common Name</u> | Botanical Name |
| Amsinckia | Amsinckia spp | Milk Thistle (Seeds) | Sonchus oleraceus |
| Australian Phalaris | Phalaris aquatica | Mustard | Sisymbrium spp |
| Bladder Soapwort | Vaccaria hispanica | Mustard (Indian Hedge) | Sisymbrium orientale |
| Burrweed (Yellow) | Amsinckia spp | Paradoxa Grass (Seed) | Phalaris paradoxa |
| Canary Grass (Wild) | Phalaris canariensis | Peppergrass | Lepidium spp |
| Canola | Brassica rapa | Phalaris (Australian) | Phalaris aquatica |
| Celery (Slender) | Apium leptophyllum | Rapeseed | Brassica rapa |
| Charlock | Sinapis arvensis | Ryegrass | Lolium spp |
| Clover (Ball, Ball Clover) | Trifolium glomeratum | Sage (Wild) | Salvia verbenaca |
| Cockspur (Maltese) | Centaurea melitensis | Salt Bush | Atriplex muelleri |
| Dock | Rumex spp | Slender Celery | Apium leptophyllum |
| Fat Hen | Chenopodium album | Sorrel | Rumex acetosella |
| Fescue | Festuca spp | Sowthistle | Sonchus spp |
| Hares Ear | Conringia orientalis | Thistle Milk (seeds) | Sonchus oleraceus |
| Hedge Mustard | Sisymbrium officinale | Turnip (Mediterranean) | Brassica tournefortii |
| Horehound | Marrubium vulgare | Turnip (Wild) | Brassica tournefortii |
| Knotweed | Polygonum aviculare | Urochloa Grass | Urochloa panicoides |
| Lesser Canary Grass | Phalaris minor | Verbena | Verbena spp |
| Lettuce | Lactuca spp | Wild Canary Grass | Phalaris canariensis |
| Lucerne (Seeds) | Medicago sativa | Wild Radish (Seeds) | Raphanus raphanistrum |
| Maltese Cockspur | Centaurea melitensis | Wild Sage | Salvia verbenaca |
| Marshmallow (Seeds) | Malva palviflora | Wild Turnip | Brassica tournefortii |
| Medics (Seeds) | Medicago spp | Wireweed | Polygonum aviculare |
| Muskweed (Seeds) | Myagrum perfoliatum | Yellow Burrweed | Amsinckia spp |

There may be other weeds that are categorised as Small Foreign Seeds that are not listed above

APPENDIX C - FIELD INSECTS

Field Insects - except Grasshoppers and/or Locusts

Field insects are insect contaminants of pulses that do not cause damage to stored pulses. Tolerances may include dead or live insects depending on the applicable grain type and Standard.

For all Field Insects other than grasshoppers and/or locusts, the definition refers to whole bodies. Body portions or pieces of Field Insects are classified as Unmillable Material.

Note: There may be variances with the tolerances applied at export by AQIS.

| COMMON NAME | SCIENTIFIC NAME |
|--------------------------------------|-----------------------------|
| Grasshoppers &/or Locusts | <i>Various</i> |
| Hairy Fungus Beetle | <i>Typhaea stercorea</i> |
| Ladybirds | <i>Various</i> |
| Minute Mould Beetles | <i>Corticaria species</i> |
| Pea Weevil (dead only) | <i>Bruchus pisorum</i> |
| Sitona Weevil | <i>Sitona species</i> |
| Desiantha Weevil | <i>Desiantha diversipes</i> |
| Wood Bugs | <i>Various</i> |
| All Other Field Insects | |

Grasshoppers and Locusts

For grasshoppers and/or locusts, six legs, three body parts or two wings or part thereof, constitutes one entire insect respectively. More than one of the same body part constitutes greater than one insect.

Pea Weevil

For the purposes of these Standards, a Pea Weevil is classified as a Field Insect. Tolerances apply to all life stages of the insect.

Live Pea Weevil refers to live insects of the species *Bruchus pisorum*. Dead Pea Weevil refers to dead insects of the species *Bruchus pisorum*.

Note: An exception applies in that a NIL tolerance applies to live Pea Weevil as they are classified as Objectionable Material.

| COMMON NAME | SCIENTIFIC NAME |
|-------------------|------------------------|
| Pea Weevil | <i>Bruchus pisorum</i> |