

- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3573)

- 1) The consignment is free from Ergot (*Claviceps purpurea*) and Granary Weevil (*Sitophilus granaries*),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

11/10/2023 - Update to treatment requirements to clarify pre-shipment phosphine fumigation also does not meet NPPO requirements.

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

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07/07/2022 - New phosphine treatment option added.

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Barley

Country: India (IN)

Scientific Name: Hordeum spp.

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS WILL BE APPROVED BY THE GRAIN AND SEED EXPORTS PROGRAM. VESSELS WITH IN-TRANSIT PHOSPHINE FUMIGATION PLANS ALREADY GIVEN APPROVAL BY THE GRAIN AND SEED EXPORTS PROGRAM CAN STILL BE AUTHORISED.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Visual inspection may be used to endorse freedom from Ergot (*Claviceps purpurea*) and Granary weevil (*Sitophilus*

granarius).^{LEX-30479}

All consignments must be free from India's quarantine weed seeds as per Schedule VIII of PQ Order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

[Updated Quarantine Weed Seed List.](#)

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)

- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

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Latest updates

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07/07/2022 - New phosphine treatment option added.

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Barley

Country: India (IN)

Scientific Name: Hordeum spp.

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

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Visual inspection may be used to endorse freedom from Ergot (*Claviceps purpurea*) and Granary weevil (*Sitophilus*

granarius).^{LEX-30479}



All consignments must be free from India's quarantine weed seeds as per Schedule VIII of PQ Order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

[Updated Quarantine Weed Seed List.](#)

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

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Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)

- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3573)

- 1) The consignment is free from Ergot (*Claviceps purpurea*) and Granary Weevil (*Sitophilus granaries*),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

15/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

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Beans

Country: India (IN)

Scientific Name: Phaseolus spp.

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Note: Effective 1 March 2021, beans (Phaseolus spp) will require a government issued non-GM certificate on arrival in India.

Exporters should contact the [Assessment Services Group](#) to request a Non-GM certificate for India prior to departure.

Consignments are to be free from pests, soil, weed seeds and extraneous material.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (*Acanthoscelides obtectus*).

[Updated Quarantine Weed Seed List.](#)

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Treatment

Each consignment is to be fumigated with either:

Methyl bromide:

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR

Phosphine:

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

"The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C)".

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gram/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (*Acanthoscelides obtectus*) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order](#), 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to General Requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

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Beans

Country: India (IN)

Scientific Name: Phaseolus spp.

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer

LEX-30479
at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (*Bruchidium* spp & *Stator* spp).

Updated Quarantine Weed Seed List.

Non-GMO certification

The exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the consignment has not been genetically modified.

A Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 gm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

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Criteria	Criteria Required?
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Additional Declaration/Endorsement	Yes
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Phosphine treatment

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All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (*Acanthoscelides obtectus*).

Updated Quarantine Weed Seed List.

Non-GMO requirements:

If certification is required (refer to import permit/NPPO notification), the exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the seed has not been genetically modified.

If requested, a Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (*Acanthoscelides obtectus*) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order](#), 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

28/07/2022 - Update to non-GMO requirements.

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 29/07/2014

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Beans

Country: India (IN)

Scientific Name: Phaseolus spp.

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer

LEX-30479
at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (*Bruchidium* spp & *Stator* spp).

Updated Quarantine Weed Seed List.

Non-GMO certification

The exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the consignment has not been genetically modified.

A Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 gm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 gm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 gm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit

phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (*Acanthoscelides obtectus*) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

28/07/2022 - Update to non-GMO requirements.

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

23/11/2020 - This page was migrated from the previous Micor system.

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Beans

Country: India (IN)

Scientific Name: Phaseolus spp.

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (*Acanthoscelides obtectus*).

[Updated Quarantine Weed Seed List.](#)

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

LEX-30479
Non-GMO requirements:

If certification is required (refer to import permit/NPPO notification), the exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the seed has not been genetically modified.

If requested, a Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with either:

Methyl bromide:

- 32 gm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 gm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 gm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR**Phosphine:**

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

"The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C)".

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (*Acanthoscelides obtectus*) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order, 2019](#), correspondence from NPPO dated 26 May 2022.

Latest updates

28/07/2022 - Update to non-GMO requirements.

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice. LEX-30479 Page 258 of 355

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

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Chickpeas

Country: India (IN)

Scientific Name: Cicer arietinum

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Department of Agriculture and Water Resources Authorised Officer at time of inspection.

[Updated Quarantine Weed Seed List.](#)

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Treatment

Each consignment is to be fumigated with:

Methyl bromide:

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

OR

- 56 grm/m³ at 10 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures below 10 degrees Celsius. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR

Phosphine:

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment

- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection..

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3954)

- 1) The consignment is free from quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) Order, 2003](#); [NSPM 11](#) sighted 05 July 2021, correspondence from NPPO dated 26 May 2022.

Latest updates

07/07/2022 - New phosphine treatment option added.

05/07/2021 - Updated case to include treatment option for 10 degrees Celsius as per NPPO requirements.

23/11/2020 - This page was migrated from the previous Micor system.

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Reviewed Uploaded: 07/07/2022

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Chickpeas

Country: India (IN)

Scientific Name: Cicer arietinum

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Department of Agriculture and Water Resources Authorised Officer at time of inspection.

Updated Quarantine Weed Seed List.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3954)

- 1) The consignment is free from quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) Order, 2003](#); [NSPM 11](#) sighted 05 July 2021, correspondence from NPPO dated 26 May 2022.

Latest updates

11/10/2023 - Update to treatment requirements to clarify pre-shipment phosphine fumigation also does not meet NPPO requirements.

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

05/07/2021 - Updated case to include treatment option for 10 degrees Celsius as per NPPO requirements.

23/11/2020 - This page was migrated from the previous Micor system.

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Chickpeas

Country: India (IN)

Scientific Name: Cicer arietinum

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Department of Agriculture and Water Resources Authorised Officer at time of inspection.

[Updated Quarantine Weed Seed List.](#)

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3954)

- 1) The consignment is free from quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) Order, 2003](#); NSPM 11 sighted 05 July 2021, correspondence from NPPO dated 26 May 2022.

Latest updates

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

05/07/2021 - Updated case to include treatment option for 10 degrees Celsius as per NPPO requirements.

23/11/2020 - This page was migrated from the previous Micor system.

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Chickpeas

Country: India (IN)

Scientific Name: Cicer arietinum

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS WILL BE APPROVED BY THE GRAIN AND SEED EXPORTS PROGRAM. VESSELS WITH IN-TRANSIT PHOSPHINE FUMIGATION PLANS ALREADY GIVEN APPROVAL BY THE GRAIN AND SEED EXPORTS PROGRAM CAN STILL BE AUTHORISED.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Department of Agriculture and Water Resources Authorised Officer at time of inspection.

Updated Quarantine Weed Seed List.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 gm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 gm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 gm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3954)

- 1) The consignment is free from quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) Order, 2003](#); NSPM 11 sighted 05 July 2021, correspondence from NPPO dated 26 May 2022.

Latest updates

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

05/07/2021 - Updated case to include treatment option for 10 degrees Celsius as per NPPO requirements.

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Cowpea

Country: India (IN)

Scientific Name: Vigna unguiculata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Note: Effective 1 March 2021, Cowpeas will require a government issued non-GM certificate on arrival in India. Exporters should contact the [Assessment Services Group](#) to request a Non-GM certificate for India prior to departure.

Consignments are to be free from pests, soil, weed seeds and extraneous material.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (Bruchidium spp & Stator spp).

[Updated Quarantine Weed Seed List.](#)

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Treatment

Each consignment is to be fumigated with:

Methyl bromide:

- 32 g/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 g/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 g/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR

Phosphine:

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

- 1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order](#), 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to General Requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

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Cowpea

Country: India (IN)

Scientific Name: Vigna unguiculata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer

LEX-30479
at time of inspection.



Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (*Bruchidium* spp & *Stator* spp).

Updated Quarantine Weed Seed List.

Non-GMO requirements:

If certification is required (refer to import permit/NPPO notification), the exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the seed has not been genetically modified.

If requested, a Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),

- 2) The consignment is free from quarantine weed seeds,
3) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order, 2019](#), correspondence from NPPO dated 26 May 2022.

Latest updates

11/10/2023 - Update to treatment requirements to clarify pre-shipment phosphine fumigation also does not meet NPPO requirements.

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

28/07/2022 - Update to non-GMO requirements.

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

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Cowpea

Country: India (IN)

Scientific Name: Vigna unguiculata

Group: Grains / Seeds

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NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (Bruchidium spp & Stator spp).

[Updated Quarantine Weed Seed List.](#)

Non-GMO requirements:

If certification is required (refer to import permit/NPPO notification), the exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the seed has not been genetically modified.

If requested, a Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),

- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order, 2019](#), correspondence from NPPO dated 26 May 2022.

Latest updates

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

28/07/2022 - Update to non-GMO requirements.

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 29/07/2014

Reviewed Uploaded: 16/09/2022

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Plants

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Cowpea

Country: India (IN)

Scientific Name: Vigna unguiculata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS WILL BE APPROVED BY THE GRAIN AND SEED EXPORTS PROGRAM. VESSELS WITH IN-TRANSIT PHOSPHINE FUMIGATION PLANS ALREADY GIVEN APPROVAL BY THE GRAIN AND SEED EXPORTS PROGRAM CAN STILL BE AUTHORISED.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer

LEX-30479
at time of inspection.



Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (*Bruchidium* spp & *Stator* spp).

Updated Quarantine Weed Seed List.

Non-GMO requirements:

If certification is required (refer to import permit/NPPO notification), the exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the seed has not been genetically modified.

If requested, a Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),

- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order, 2019](#), correspondence from NPPO dated 26 May 2022.

Latest updates

- 25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.
- 16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.
- 28/07/2022 - Update to non-GMO requirements.
- 07/07/2022 - New phosphine treatment option added.
- 16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice.
- 23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.
- 23/11/2020 - This page was migrated from the previous Micor system.

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Cowpea

Country: India (IN)

Scientific Name: Vigna unguiculata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

All consignments must be free from India's Quarantine weed seeds as per schedule VIII of PQ order 2003. Exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

Inspection by an Authorised Officer is required for endorsing freedom from Bruchids (Bruchidium spp & Stator spp).

[Updated Quarantine Weed Seed List.](#)

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Non-GMO requirements:

If certification is required (refer to import permit/NPPO notification), the exporter is responsible for ensuring that the consignment is accompanied by a Certificate as to Condition attesting that the seed has not been genetically modified.

If requested, a Certificate as to Condition (Grain - GX46/Horticulture - HX46) can be issued for the consignment that is specifically supported from information supplied by the Office of the Gene Technology Regulator (OGTR) and where it is a government requirement of the importing country for non-GMO certification (refer to import permit/NPPO Notification).

The following text must be added to the additional declaration field when a GX46/HX46 template is added to the RFP:

I hereby certify the goods listed on this certificate do not contain genetically modified organisms and are not of genetically modified origin.

Treatment

Each consignment is to be fumigated with:

Methyl bromide:

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR**Phosphine:**

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed

fumigator at (g/m³) for (days) at (°C).

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

- 1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import into India\) \(Tenth Amendment\) Order](#), 2019, correspondence from NPPO dated 26 May 2022.

Latest updates



28/07/2022 - Update to non-GMO requirements.

07/07/2022 - New phosphine treatment option added.

16/04/2021 - Update to general requirements - Update to non GMO requirements as per NPPO advice.

23/02/2021 - Update to general requirements - inclusion of non-GM certification requirements.

23/11/2020 - This page was migrated from the previous Micor system.

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Plants

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Broad beans/Faba beans

Country: India (IN)

Scientific Name: Vicia faba

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.pbas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Explanation of endorsements

Endorsement 3235:

A laboratory analysis certificate [] of Stem nematode (*Dictylenchus dipsaci*) and quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. is to be presented to the Authorised Officer at the time of inspection.

[Updated Quarantine Weed Seed List.](#)

Treatment

Each consignment is to be fumigated with:

Methyl bromide:

- 32 g/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 g/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 g/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR

Phosphine:

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

"The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C)".

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation

- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3235)

- 1) Soybean cyst nematode (*Heterodera glycines*) is not known to occur in Australia,
- 2) The consignment is free of Stem nematode (*Dictylenchus dipsaci*),
- 3) The consignment is free from quarantine weed seeds,
- 4) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 29/07/2014

Reviewed Uploaded: 07/07/2022

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Plants

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Broad beans/Faba beans

Country: India (IN)

Scientific Name: Vicia faba

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.bbbs.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of endorsements:

Endorsement 3235:

A laboratory analysis certificate of Stem nematode (*Ditylenchus dipsaci*) and quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. is to be presented to the Authorised Officer at the time of inspection.

Updated Quarantine Weed Seed List.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3235)

- 1) Soybean cyst nematode (*Heterodera glycines*) is not known to occur in Australia,
- 2) The consignment is free of Stem nematode (*Ditylenchus dipsaci*),
- 3) The consignment is free from quarantine weed seeds,
- 4) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

11/05/2023 - Amended text for endorsement 3235 and explanation of endorsement 3235.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

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Broad beans/Faba beans

Country: India (IN)

Scientific Name: Vicia faba

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.bbbs.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit

phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of endorsements:

Endorsement 3235:

A laboratory analysis certificate for of Stem nematode (*Ditylenchus dipsaci*) and quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. is to be presented to the Authorised Officer at the time of inspection.

[Updated Quarantine Weed Seed List.](#)

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3235)

- 1) Soybean cyst nematode (*Heterodera glycines*) is not known to occur in Australia,
- 2) The consignment is free of Stem nematode (*Ditylenchus dipsaci*),
- 3) The consignment is free from quarantine weed seeds,
- 4) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

11/10/2023 - Update to treatment requirements to clarify pre-shipment phosphine fumigation also does not meet NPPO requirements.

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

11/05/2023 - Amended text for endorsement 3235 and explanation of endorsement 3235.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 29/07/2014

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Broad beans/Faba beans

Country: India (IN)

Scientific Name: Vicia faba

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.pbas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of endorsements

Endorsement 3235:

A laboratory analysis certificate of Stem nematode (*Dictylenchus dipsaci*) and quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. is to be presented to the Authorised Officer at the time of inspection.

Updated Quarantine Weed Seed List.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)

- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3235)

- 1) Soybean cyst nematode (*Heterodera glycines*) is not known to occur in Australia,
- 2) The consignment is free of Stem nematode (*Dictylenchus dipsaci*),
- 3) The consignment is free from quarantine weed seeds,
- 4) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

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Broad beans/Faba beans

Country: India (IN)

Scientific Name: Vicia faba

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS WILL BE APPROVED BY THE GRAIN AND SEED EXPORTS PROGRAM. VESSELS WITH IN-TRANSIT PHOSPHINE FUMIGATION PLANS ALREADY GIVEN APPROVAL BY THE GRAIN AND SEED EXPORTS PROGRAM CAN STILL BE AUTHORISED.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit

phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of endorsements:

Endorsement 3235:

A laboratory analysis certificate for of Stem nematode (*Ditylenchus dipsaci*) and quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. is to be presented to the Authorised Officer at the time of inspection.

[Updated Quarantine Weed Seed List.](#)

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 g/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 g/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 g/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 3235)

- 1) Soybean cyst nematode (*Heterodera glycines*) is not known to occur in Australia,
- 2) The consignment is free of Stem nematode (*Ditylenchus dipsaci*),
- 3) The consignment is free from quarantine weed seeds,
- 4) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

11/05/2023 - Amended text for endorsement 3235 and explanation of endorsement 3235.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

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Lentils

Country: India (IN)

Scientific Name: Lens culinaris

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Explanation of the endorsements

- All consignments must be free from India's Quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. [Updated Quarantine Weed Seed List](#).

- A laboratory analysis certificate is required for Stem and bulb nematode (*Ditylenchus dipsaci*) and quarantine weed seeds.
- Freedom from soil is based on the visual inspection by the Authorised Officer using the Plant Export Operations Manual (PEOM) tolerance for soil and sand.

Treatment

Each consignment is to be fumigated with:

Methyl bromide:

- 32 g/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 g/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 g/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR

Phosphine:

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section. LEX-30479 Page 317 of 355

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 4552)

- 1) The consignment is free from Stem and bulb nematode (*Ditylenchus dipsaci*),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

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Lentils

Country: India (IN)

Scientific Name: Lens culinaris

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS WILL BE APPROVED BY THE GRAIN AND SEED EXPORTS PROGRAM. VESSELS WITH IN-TRANSIT PHOSPHINE FUMIGATION PLANS ALREADY GIVEN APPROVAL BY THE GRAIN AND SEED EXPORTS PROGRAM CAN STILL BE AUTHORISED.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program. See the Treatment section below for further details.

Explanation of the endorsements

- All consignments must be free from **India's Quarantine weed seeds** as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019.
- A laboratory analysis certificate is required for Stem and bulb nematode (*Ditylenchus dipsaci*) and quarantine weed seeds.
- Freedom from soil is based on the visual inspection by the Authorised Officer using the Plant Export Operations Manual (PEOM) tolerance for soil and sand.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment

- Method used to provide free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 4552)

- 1) The consignment is free from Stem and bulb nematode (*Ditylenchus dipsaci*),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022, advice from Post 9 June 2023.

Latest updates

09/06/2023 - Updated treatment requirements to note in-transit phosphine trial is currently on hold.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 29/07/2014

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Plants

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Lentils

Country: India (IN)

Scientific Name: Lens culinaris

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program. See the Treatment section below for further details.

Explanation of the endorsements

- All consignments must be free from **India's Quarantine weed seeds** as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019.
- A laboratory analysis certificate is required for Stem and bulb nematode (*Ditylenchus dipsaci*) and quarantine weed seeds.
- Freedom from soil is based on the visual inspection by the Authorised Officer using the Plant Export Operations Manual (PEOM) tolerance for soil and sand.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment

- Method used to provide free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 4552)

- 1) The consignment is free from Stem and bulb nematode (*Ditylenchus dipsaci*),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022, advice from Post 9 June 2023.

Latest updates

11/10/2023 - Update to treatment requirements to clarify pre-shipment phosphine fumigation also does not meet NPPO requirements.

09/06/2023 - Updated treatment requirements to note in-transit phosphine trial is currently on hold.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

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Initial Uploaded: 29/07/2014

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Was this page helpful? **Yes** **No**

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Lentils

Country: India (IN)

Scientific Name: Lens culinaris

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.dpas.aov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Where applicable, the exporter is to provide evidence attesting to the endorsement and present it to the Authorised Officer at the time of inspection.

Phosphine treatment

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed*

Export Program. See the Treatment section below for further details.

Explanation of the endorsements

- All consignments must be free from India's Quarantine weed seeds as per Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019. [Updated Quarantine Weed Seed List](#).
- A laboratory analysis certificate is required for Stem and bulb nematode (*Ditylenchus dipsaci*) and quarantine weed seeds.
- Freedom from soil is based on the visual inspection by the Authorised Officer using the Plant Export Operations Manual (PEOM) tolerance for soil and sand.

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 gm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 gm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 gm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 4552).

- 1) The consignment is free from Stem and bulb nematode (*Ditylenchus dipsaci*),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Reference

Plant Quarantine (Regulation of Import into India) (Tenth Amendment) Order, 2019, correspondence from NPPO dated 26 May 2022.

Latest updates

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 29/07/2014 **Reviewed Uploaded:** 16/09/2022

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Plants

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Mung beans

Country: India (IN)

Scientific Name: Vigna radiata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.ppqqs.gov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

Pre-shipment phosphine treatment for bulk containerised products and in-transit phosphine treatment for products sent via bulk vessels is currently being trialled. See the Treatment section below for further details.

Explanation of the endorsements

Endorsement 2115:

- All consignments must be free from [India's Quarantine weed seeds](#) as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.

- An inspection by an Authorised Officer is required for endorsing freedom from Bruchids (Bruchidium spp & Stator spp).

Endorsement 3955:

- All consignments must be free from [India's Quarantine weed seeds](#) as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (Acanthoscelides obtectus).

Treatment

Each consignment is to be fumigated with:

Methyl bromide:

- 32 gm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003.

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 gm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP.

OR

- 48 gm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

OR**Phosphine:**

At approved label rates, subject to prior approval by Grain and Seed Exports Program (Grain.Export@agriculture.gov.au):

- Prior to departure if products are containerised.
- In-transit or prior to departure if products are exported bulk in bulk vessels.

In-transit fumigation:

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).



The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

For treatment, which is not undertaken onshore, prior to departure, the licensed fumigator/exporter is to provide the Grain and Seed Export Program Grain.Export@agriculture.gov.au with:

- Permit issued by the APVMA allowing use of fumigant in-transit
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with NPPO import conditions
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Note:

- In-transit phosphine fumigation may only be undertaken when approved by the destination country.
- If treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.
- Fumigator must submit the Fumigation Plan to the Grain and Seed Exports Program (Grain.Export@agriculture.gov.au) for approval before undertaking in-transit phosphine fumigation to meet importing country's quarantine requirement.

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115).

- 1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Option 2 (EXDOC Endorsement 3955).

- 1) The consignment is free from Bean bruchid (Acanthoscelides obtectus) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import Into India\) Order](#), 2020, correspondence from NPPO dated 26 May 2022.



Latest updates

07/07/2022 - New phosphine treatment option added.

22/01/2021 - Added new endorsement - from NPPO requirements.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 11/05/2020

Reviewed Uploaded: 07/07/2022

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Mung beans

Country: India (IN)

Scientific Name: Vigna radiata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.ppq.s.gov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS OR PHOSPHINE FUMIGATIONS OF PRODUCTS PRE-SHIPMENT WILL BE ENDORSED ON PHYTOSANITARY CERTIFICATES. PRODUCTS MUST BE TREATED WITH THE METHYL BROMIDE FUMIGATION SCHEDULE AS DETAILED IN THE TREATMENT SECTION UNTIL FURTHER NOTICE.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of the endorsements

Endorsement 2115:

- All consignments must be free from [India's Quarantine weed seeds](#) as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bruchids (Bruchidium spp & Stator spp).

Endorsement 3955:

- All consignments must be free from [India's Quarantine weed seeds](#) as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (Acanthoscelides obtectus).

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.*

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial).

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

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- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
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A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
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- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

- 1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Option 2 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (Acanthoscelides obtectus) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import Into India\) Order, 2020](#), correspondence from NPPO dated 26 May 2022.

Latest updates



11/10/2023 - Update to treatment requirements to clarify pre-shipment phosphine fumigation also does not meet NPPO requirements.

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

22/01/2021 - Added new endorsement - from NPPO requirements.

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Mung beans

Country: India (IN)

Scientific Name: Vigna radiata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.ppqqs.gov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of the endorsements

Endorsement 2115:

- All consignments must be free from [India's Quarantine weed seeds](#) as per Schedule VIII of PQ Order 2003.

- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bruchids (Bruchidium spp & Stator spp).

Endorsement 3955:

- All consignments must be free from [India's Quarantine weed seeds](#) as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (Acanthoscelides obtectus).

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

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- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

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- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to

provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (g/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

- 1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Option 2 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (Acanthoscelides obtectus) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import Into India\) Order, 2020](#), correspondence from NPPO dated 26 May 2022.

Latest updates



16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

22/01/2021 - Added new endorsement - from NPPO requirements.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 11/05/2020

Reviewed Uploaded: 16/09/2022

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Plants

Subscribe RSS feed Latest updates

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Mung beans

Country: India (IN)

Scientific Name: Vigna radiata

Group: Grains / Seeds

End Use: Consumption

NPPO Details: Directorate of Plant Protection, Quarantine & Storage; Department of Agriculture, Cooperation & Farmers Welfare

Relevant Web Addresses:

<http://www.ppqqs.gov.in/>

Export Criteria

Criteria	Criteria Required?
Import Permit	No
Phytosanitary Certificate	Yes
Additional Declaration/Endorsement	Yes
Protocol Market	No

General Requirements

Consignments are to be free from pests, soil, weed seeds and extraneous material.

Phosphine treatment

PLEASE NOTE THE TRIAL IS CURRENTLY ON HOLD. NO NEW IN-TRANSIT PHOSPHINE FUMIGATION PLANS WILL BE APPROVED BY THE GRAIN AND SEED EXPORTS PROGRAM. VESSELS WITH IN-TRANSIT PHOSPHINE FUMIGATION PLANS ALREADY GIVEN APPROVAL BY THE GRAIN AND SEED EXPORTS PROGRAM CAN STILL BE AUTHORISED.

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. *Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.* See the Treatment section below for further details.

Explanation of the endorsements

Endorsement 2115:

- All consignments must be free from **India's Quarantine weed seeds** as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bruchids (*Bruchidium* spp & *Stator* spp).

Endorsement 3955:

- All consignments must be free from **India's Quarantine weed seeds** as per Schedule VIII of PQ Order 2003.
- The exporter must provide a laboratory analysis certificate attesting to the endorsement and to present to the Authorised Officer at time of inspection.
- An inspection by an Authorised Officer is required for endorsing freedom from Bean bruchid (*Acanthoscelides obtectus*).

Treatment

Each consignment is to be fumigated with methyl bromide or phosphine as outlined below.

Note: Fumigation treatment with phosphine is undertaken on a trial basis only and requires prior approval by the Grain and Seed Export Program.

Methyl bromide

- 32 grm/m³ for 24 hours at 21 degrees Celsius or above at NAP as per the PQ Order 2003;

OR

The Indian NPPO accepts the following dosage compensation for methyl bromide fumigation applied at temperatures between 11 and 21 degrees Celsius:

- 40 grm/m³ at 16 - 20 degrees Celsius for 24 hours at NAP;

OR

- 48 grm/m³ at 11 - 15 degrees Celsius for 24 hours at NAP.

Note: Methyl bromide fumigation is not permitted at temperatures of 10 degrees Celsius or below. Dosage compensation is not permitted for temperatures above 21 degrees Celsius.

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

Phosphine (trial)

Pre-shipment phosphine fumigation treatment for bulk containerised products, and pre-shipment or in-transit phosphine fumigation treatment for products sent via bulk vessels, is currently being trialled. Consignments are to be treated with phosphine *at Australian approved label rates*, subject to prior approval by the Grain and Seed Export Program. Phosphine fumigation is to be undertaken:

- Prior to departure if products are containerised; or
- In-transit or prior to departure if products are exported bulk in bulk vessels.

For phosphine treatment which is undertaken either onshore or in-transit, the licensed fumigator/exporter is to provide the Grain and Seed Export Program (Grain.Export@agriculture.gov.au) with the following information and obtain approval prior to the loading and departure of the vessel:

- Permit issued by the APVMA allowing use of fumigant in-transit, and evidence of compliance with any other regulatory requirements including approvals by the Australian Maritime Safety Authority (AMSA), state/territory regulators, port authorities and ship's masters (for in-transit fumigation only)
- Fumigation plan including re-circulation method and monitoring lines and their locations
- Method of sealing holds during fumigation (for bulk vessels only)
- Method of clearing the fumigant from the consignment
- Method used to provide gas free certification

A treatment certificate from the licensed fumigator must be presented prior to the issuance of any government certificates and must contain:

- Dosage (gm/m³), temperature (°C), and duration of treatment (days) in accordance with Australian label rates
- Vessel name, destination and holds loaded
- Commodity and quantity
- Signed by a licensed fumigator with contact details provided

Pre-shipment fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the Authorised Officer at the time of inspection.

Details of treatment to be endorsed on the phytosanitary certificate in the treatment section.

In-transit fumigation:

The exporter is to provide evidence attesting to the treatment and present it to the department at time of authorisation.

In-transit phosphine fumigation details may be endorsed on the phytosanitary certificate in the treatment section as follows:

The phosphine fumigation of [commodity] onboard [enter vessel name] was conducted in-transit by a licensed fumigator at (g/m³) for (days) at (°C).

Note: If phosphine treatment is to be undertaken in-transit, consignment must be found free of live insects during phytosanitary inspection.

Additional Declaration/Endorsements

Option 1 (EXDOC Endorsement 2115)

- 1) The consignment is free from Bruchids (Bruchidium spp & Stator spp),
- 2) The consignment is free from quarantine weed seeds,
- 3) The consignment is free from soil.

Option 2 (EXDOC Endorsement 3955)

- 1) The consignment is free from Bean bruchid (Acanthoscelides obtectus) and quarantine weed seeds,
- 2) The consignment is free from soil.

Reference

[Plant Quarantine \(Regulation of Import Into India\) Order, 2020](#), correspondence from NPPO dated 26 May 2022.

Latest updates

25/07/2023 - Update to treatment requirements to note that in-transit phosphine trial has finished.

16/09/2022 - Updated treatment requirements to clarify treatment with phosphine is being undertaken on a trial basis only and Australian label rates are to be applied.

07/07/2022 - New phosphine treatment option added.

22/01/2021 - Added new endorsement - from NPPO requirements.

23/11/2020 - This page was migrated from the previous Micor system.

Initial Uploaded: 11/05/2020

Reviewed Uploaded: 25/07/2023

Was this page helpful?

Yes

No

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s 22(1)(a)(ii)

From: Grain Export Program
Sent: Monday, 31 July 2023 4:31 PM
To: s 47F(1) ; Grain Export Program
Cc: s 47F(1) ; s 47G(1)(a)
Subject: RE: s. 47G(1)(a) / Fumigation Plan / Lentils - India/ Inhold Methyl Bromide [SEC=OFFICIAL]

Hi s 47F(1)

s 22(1)(a)(ii)

GSEP approve the in hold MB fumigation as per the plan provided.

Regards,

s 22(1)(a)(ii)

I work compressed hours, I am available 6.45am-5pm Mon, Tues, Wed and Fri

Senior Policy Officer | Grain and Seed Exports Program | Plant Export Operations | Plant and Live Animal Exports

Phone: s 22(1)(a)(ii) | Email: s 22(1)(a)(ii)

Department of Agriculture, Fisheries and Forestry
70 Northbourne Ave, Canberra ACT 2601, Australia
GPO Box 858 Canberra ACT 2601, Australia

agriculture.gov.au



The department acknowledges the traditional custodians of Australia and their continuing connection to land, sea, environment, water and community. We pay our respect to the traditional custodians, their culture, and elders both past and present.

From: s 47F(1)
Sent: Monday, 31 July 2023 4:06 PM
To: Grain Export Program <Grain.Export@aff.gov.au>
Cc: s 47F(1) ; s 47G(1)(a)
s 47G(1)(a)
Subject: Re: s. 47G(1)(a) / Fumigation Plan / Lentils - India/ Inhold Methyl Bromide [SEC=OFFICIAL]

G'day s 22(1)(a)(ii)

Just s 22(1)(a)(ii) luck!

See my original email with attachment to s 22(1)(a)(ii) on this matter.

The operational need still exists.

s 47G(1)(a)

Rgds

s 47F(1)

s 47F(1)

s 47G(1)(a)

s 47G(1)(a)

s 47G(1)(a)

M: s 47F(1)

E: s 47F(1)



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On Mon, Jul 31, 2023 at 3:38 PM 'Grain Export Program' via s 47G(1)(a)

wrote:

Hi s 47F(1)

s 22(1)(a)(ii)

Have you provided a Fumigation plan? Has s 47F(1) resolved the issue with s 47G(1)(a)

Regards,

s 22(1)(a)(ii)

I work compressed hours, I am available 6.45am-5pm Mon, Tues, Wed and Fri

Senior Policy Officer | Grain and Seed Exports Program | Plant Export Operations | Plant and Live Animal Exports

Phone: s 22(1)(a)(ii) | Email: s 22(1)(a)(ii)

Department of Agriculture, Fisheries and Forestry

70 Northbourne Ave, Canberra ACT 2601, Australia

GPO Box 858 Canberra ACT 2601, Australia

agriculture.gov.au



From: s 47F(1)

Sent: Monday, 31 July 2023 3:22 PM

To: Grain Export Program <Grain.Export@aff.gov.au>

Cc: s 47G(1)(a)

Subject: Re: s. 47G(1)(a) / Fumigation Plan / Lentils - India/ Inhold Methyl Bromide [SEC=OFFICIAL]

Hi s 22(1)(a)(ii)

Just following up on this vessel's in-hold MB treatment application.

Thank you

s 47F(1)

Office Manager

s 47G(1)(a)

s 47G(1)(a)

T: s 47G(1)(a)

M: s 47F(1)

E: s 47F(1)

G: s 47G(1)(a)



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On Fri, Jul 28, 2023 at 11:19 AM s 47F(1)

wrote:

Hi s 22(1)(a)(ii)

Please see email comms below between s 22(1)(a) and s 47F(1)

Start Message Forward

----- Forwarded message -----

From: s 22(1)(a)(ii)

Date: Mon, Jul 3, 2023 at 11:44 AM

Subject: FW: India - Lentils / MB in-hold / Operational Need [SEC=OFFICIAL]

To: s 47F(1)

Cc: Grain Export Program <Grain.Export@agriculture.gov.au>

Hi s 47F(1)

Apologises for the delayed reply.

s 47G(1)(a)

If there is an operational issue – like sealed silos then under the circumstances for this consignment, we will allow the treatment in the vessel as per the normal set up, (i.e. recirculation, monitoring and clearance of the chemical before sailing).

Phosphine in-transit fumigation of goods to India is paused until India assess the consignments that were treated in-transit.

Can you please provide the RFP, exporter, vessel etc. etc. etc. for our records and approval info sent to the documentation area for them to approve on receiving the information.

The on-shore treatment with phosphine for containerised and vessel consignments has not occurred and am unsure if we can do now. We will seek information from the Embassy in India.

Hope this assists.

Regards

s 22(1)(a)(i)

From: s 47F(1)
Sent: Monday, July 3, 2023 9:42 AM
To: s 22(1)(a)(ii)
Subject: Re: India - Lentils / MB in-hold / Operational Need

G'day mate,

I hope the weekend treated you well.

Any thoughts on below?

Cheers

s 47F(1)

On 29 Jun 2023, at 11:29 am, s 47F(1)

wrote:

Hi s 22(1)(a)(ii)

s 22(1)(a)(ii)

Re MB in-hold

This email isn't my general plea on-behalf of the industry. This is a specific case which I think presents as a good operational need.

s 47G(1)(a)

In-hold MB seems to be the only resolution, unless you have good news regarding Phosphine in-transit?

Can you please also clarify if the trial hold extends to pre-shipment Phosphine or is still acceptable? (I dont think it's an option in this case given accumulation timing, however the status is good to know)

I have attached our treatment proposal for your consideration.

Rgds

s 47F(1)

s 47F(1)

s 47G(1)(a)

s 47G(1)(a)

T: s 47G(1)(a)

M: s 47F(1)

E: s 47F(1)

End Message Forward

Kind regards

s 47F(1)

Office Manager

s 47G(1)(a)

s 47G(1)(a)

T: s 47G(1)(a)

M: s 47F(1)

E: s 47F(1)

G: s 47G(1)(a)

-



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On Thu, Jul 27, 2023 at 4:10 PM Grain Export Program <Grain.Export@aff.gov.au> wrote:

Hi s 47F(1)

I was under the impression the in-hold methyl bromide fumigation request was for the s. 47G(1)(a) and had already been approved. Can you provide further details and the original communications surrounding this request?

Regards,

s 22(1)(a)(ii)

A/g Assistant Director | Grain and Seed Exports Program | Plant Export Operations | Plant and Live Animal Exports

Phone: s 22(1)(a)(ii) | Email: grain.export@agriculture.gov.au

Department of Agriculture, Fisheries and Forestry

Agriculture House

70 Northbourne Avenue, Canberra ACT 2601 Australia

GPO Box 858 Canberra ACT 2601 Australia

agriculture.gov.au



The department acknowledges the traditional owners of country throughout Australia and their continuing connection to land, sea and community. We pay our respects to traditional owners, their cultures and elders past and present.

From: s 47F(1)
Sent: Thursday, July 27, 2023 3:35 PM
To: Grain Export Program <Grain.Export@aff.gov.au>
Cc: s 47G(1)(a)
Subject: s. 47G(1)(a) / Fumigation Plan / Lentils - India/ Inhold Methyl Bromide

Hi s 22(1)(a)(ii) and Team

We received pre-approval for this shipment in June but the Vessel had not been nominated.

Please find our updated fumigation plan & draft certificate attached, along with the RFP for your consideration.

Thank you

s 47F(1)

Office Manager

s 47G(1)(a)

s 47G(1)(a)

T: s 47G(1)(a)

M: s 47F(1)

E: s 47F(1)

G: s 47G(1)(a)

-



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