



United States Department of Agriculture

Seeds Not for Planting



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When using pesticides, read and follow all label instructions.

Contents

List of Figures	LOF-1
List of Tables	LOT-1
Introduction	1-1
Procedures	2-1
Reference	3-3-1
Glossary	Glossary-1
Index	Index-1
Comment Sheet	

List of Figures

-
- FIGURE 2-1** General Inspection Procedures for Clearing Seeds Not for Planting 2-6
- FIGURE 3-1** Coconut Seeds 3-9
- FIGURE 3-2** Coconut Fruit With Seed Section 3-10
- FIGURE 3-3** Mexican Jumping Bean 10X 3-31

List of Figures

List of Tables

TABLE 1-1	How to Use Decision Tables 1-12
TABLE 1-2	Where to Report Problems With or Suggestions for the <i>Seeds Not for Planting Manual</i> 1-15
TABLE 2-1	Where to Collect Information Needed 2-3
TABLE 2-2	Screening for Prohibitions of Seeds Listed in the <i>Reference</i> 2-7
TABLE 2-3	Screen for Prohibitions of Seeds Not Listed in the <i>Reference</i> 2-8
TABLE 2-4	Decide if You Need to Sample the Seed Shipment 2-9
TABLE 2-5	Determine the Number of Subsamples to Draw 2-10
TABLE 2-6	Take the Appropriate Regulatory Action Based on How the Seeds are Contained 2-15
TABLE 2-7	Take the Appropriate Regulatory Action Based on Inspection Results 2-15
TABLE 2-8	Take the Appropriate Regulatory Action Based on Contamination of Plants or Plant Parts 2-16
TABLE 2-9	Take the Appropriate Regulatory Action Based on Plant Contaminants (Corn or Corn Relatives Including Millets, or Plant Contaminants That Are Not Identifiable) 2-17
TABLE 2-10	Take the Appropriate Regulatory Action Based on Plant Contaminants of Corn or Corn Relatives Including Millets in Seeds From Australia (from TABLE 2-8) 2-18
TABLE 2-11	Take the Appropriate Regulatory Action Based on Plant Contaminants of Corn or Corn Relatives Including Millets in Seeds From New Zealand (from TABLE 2-8) 2-19
TABLE 2-12	Select a Screen Size A through L 2-22
TABLE 2-13	Selecting a Screen Size M through Z 2-23
TABLE 2-14	Pore Diameters of U.S. Standard Screens (not part of the job aid) 2-24
TABLE 2-15	Suspect Controlled Substances Imports of Seeds 2-27
TABLE 3-1	Acorn (<i>Quercus</i> spp.) 3-4
TABLE 3-2	Bamboo (<i>Bambusoideae</i>) 3-5
TABLE 3-3	Chestnuts (<i>Castanea</i> spp.) 3-6
TABLE 3-4	Chickpeas (<i>Cicer</i> spp.) 3-7
TABLE 3-5	Citrus (<i>Rutaceae</i>) 3-8
TABLE 3-6	Coconut (<i>Cocos nucifera</i>) 3-11
TABLE 3-7	Coconut (<i>Cocos nucifera</i>) from Other than Costa Rica, Jamaica, and Mexico 3-12
TABLE 3-8	Coffee, Green Unroasted (cafe, java, <i>Coffea</i> spp.) 3-13
TABLE 3-9	Corn (<i>Zea mays</i>) and Closely Related Plants 3-14
TABLE 3-10	Corn (<i>Zea mays</i>) 3-15

List of Tables

TABLE 3-11	Adlay with Shell (<i>Coix</i> spp.), Job's Tears with Shell (<i>Coix lacryma</i>), and Corn Relatives 3-15
TABLE 3-12	Cotton (<i>Gossypium</i> spp.) 3-16
TABLE 3-13	Cotton (<i>Gossypium</i> spp.), Fuzzy (Not Acid Washed) Destined to Other Than Guam or North Mariana Islands 3-17
TABLE 3-14	Cucurbits (melon, cucumber, pumpkin, squash) (<i>Cucurbitaceae</i>) 3-18
TABLE 3-15	Cumin (<i>Cuminum cyminum</i>) 3-19
TABLE 3-16	Cut Grass, White Grass (<i>Leersia</i> spp.) 3-20
TABLE 3-17	Dodder (<i>Cuscuta</i> spp.) 3-21
TABLE 3-18	Elm (<i>Ulmus</i> spp.) 3-22
TABLE 3-19	Faba Bean, Horsebean (<i>Vicia faba</i>) 3-23
TABLE 3-20	Faba Bean (<i>Vicia faba</i>) from Other Than Central America, North America, and West Indies 3-23
TABLE 3-21	Goatgrass (<i>Aegilops</i> spp. and its intergeneric crosses) 3-24
TABLE 3-22	Hemp, Marijuana (<i>Cannabis sativa</i>) 3-25
TABLE 3-23	Hibiscus seed of kenaf, mallow, roselle, and sorrel) 3-26
TABLE 3-24	Kola Nut (cola nut, <i>Cola</i> spp.) 3-27
TABLE 3-25	Lentils (<i>Lens</i> spp.) 3-28
TABLE 3-26	Lentils (<i>Lens</i> spp.) from Other Than Canada, Central America, Mexico, North America, West Indies 3-28
TABLE 3-27	Macadamia Nut (<i>Macadamia</i> spp.) 3-29
TABLE 3-28	Mahoberberis (<i>Mahoberberis</i> spp.) 3-30
TABLE 3-29	Mexican Jumping Beans 3-31
TABLE 3-30	Milletts and Pseudo-Milletts 3-33
TABLE 3-31	Milletts of <i>Echinochloa</i> spp., <i>Eleusine</i> spp., <i>Panicum</i> spp., and <i>Setaria</i> spp. 3-34
TABLE 3-32	Milletts of <i>Pennisetum</i> spp. 3-35
TABLE 3-33	Niger (<i>Guizotia abyssinica</i>) 3-37
TABLE 3-34	Niger (<i>Guizotia abyssinica</i>) from Other than Canada 3-38
TABLE 3-35	USDA Approved Heat Treatment Facilities for Niger Seed 3-40
TABLE 3-36	Oats (<i>Avena</i> spp.) 3-41
TABLE 3-37	Okra (<i>Abelmoschus</i> spp.) 3-42
TABLE 3-38	Peanut and Related Groundnuts, Raw and Unroasted (<i>Arachis</i> spp.) 3-43
TABLE 3-39	Poppy, Opium (<i>Papaver somniferum</i>) 3-44
TABLE 3-40	Prunus spp. (almond, apricot, cherry, plum, and other stone fruits) 3-45
TABLE 3-41	<i>Prunus avium</i> , <i>P. cerasus</i> , <i>P. laurocerasus</i> , <i>P. mahaleb</i> , <i>P. sargentii</i> , <i>P. serotina</i> , <i>P. serrula</i> , <i>P. serrulata</i> , <i>P. subhirtella</i> , <i>P. virginiana</i> , <i>P. yedoensis</i> , and <i>Prunus</i> x <i>effusa</i> 3-45
TABLE 3-42	Prunus Species Other Than those Covered in Table 3-41 3-46

TABLE 3-43	Ribes spp. (currants, gooseberry)	3-47
TABLE 3-44	Rice (<i>Oryza spp.</i>)	3-48
TABLE 3-45	Safflower (<i>Carthamus tinctorius</i>)	3-49
TABLE 3-46	Screenings from Canada	3-51
TABLE 3-47	Screenings from Other Than Canada	3-52
TABLE 3-48	Establishments Approved for Processing Screenings from Canada	3-53
TABLE 3-49	Solanum spp. (potatoes, tropical soda apple, turkey berry, and wetland nightshade)	3-54
TABLE 3-50	Soybeans (<i>Glycine max</i>)	3-55
TABLE 3-51	Sprangletop (<i>Leptochloa spp.</i>)	3-56
TABLE 3-52	Sugarcane (<i>Saccharum spp.</i>)	3-57
TABLE 3-53	Sweet Pea and Other Peas in the Genus <i>Lathyrus spp.</i>	3-58
TABLE 3-54	Vetch (<i>Vicia spp.</i> Other Than <i>V. faba</i>)	3-59
TABLE 3-55	Wheat (<i>Triticum spp.</i> and its intergeneric crosses) Not Milled and Not Processed Products	3-60
TABLE 3-56	Wild Rice (<i>Zizania spp.</i>)	3-61

List of Tables

1

Seeds Not for
Planting Manual

Introduction

Contents

Purpose	page 1-1
Scope	page 1-2
What the Manual Covers	page 1-3
What the Manual Does Not Cover	page 1-4
Users	page 1-5
Related Documents	page 1-6
Authority	page 1-6
Code of Federal Regulations	page 1-6
Convention for International Trade in the Endangered Species of Wild Fauna and Flora (CITES)	page 1-9
Endangered Species Act	page 1-10
Plant Protection Act of 2000	page 1-10
Other Related Documents	page 1-10
Application	page 1-11
Conventions	page 1-11
Using the Manual	page 1-14
Reporting Problems With or Suggestions for the Manual	page 1-14
Manual Updates	page 1-15
Ordering Additional Manuals and Revisions	page 1-15

Purpose

The *Seeds Not for Planting Manual* provides the background, procedures and reference tables for regulating whole seeds (grain and nuts) when they are imported for purposes **other than** planting or growing, and for protecting plants that are threatened with extinction due to trade in those plants or their derivatives.

The seeds from the countries of origin listed in this manual are regulated because just one destructive pest might be enough to start an outbreak that can cause millions of dollars of damage to crops, trees, flowers, or lawns. By their destructiveness, pests can increase the price and reduce the quality of food, lower property values, and ruin recreational areas. The extinction of just one plant species does away with the aesthetic, ecological, educational, historical, recreational, commercial, and scientific value of our world.

Scope

This manual is divided into the following chapters:

Introduction

Procedures

Reference

■ The [Introduction](#) provides basic information about the manual. This chapter includes the purpose, scope, users, and application; directions for using the manual; and a description of conventions that are used throughout the manual.

■ The [Procedures](#) chapter provides the prerequisites and general directions for sampling, inspecting, and regulating seeds that are **not** used for planting; and the special procedures for authorizing the grinding of commodities contaminated with noxious weed seeds; and special procedures for regulating screenings.

■ The [Reference](#) chapter identifies the prohibitions and restrictions that apply to the admissibility of whole, unprocessed seeds and provides the authority for the regulatory action.

The appendixes contain supplementary information to assist the users.

The [Glossary](#) defines abbreviations, and acronyms, and specialized words that are used in regulating seeds that are **not** for planting.

The [Index](#) contains topics and page numbers for quick reference.

What the Manual Covers

The *Seeds Not for Planting Manual* covers the following:

Coconuts (*Cocos nucifera*) that are unhusked

Macadamia nuts (*Macadamia* spp.) that are unhusked

Nuts solely in their shell

Seeds for animal food ¹

Seeds for decoration, food, or industrial use (grain intended for special end-uses)

Seeds free from fleshy or leathery pulp

Seeds **not** processed beyond harvesting

Seed screenings

¹ When the seed is an ingredient of animal feed or to be used for animal feed, then see also the *Animal Products Manual*.

What the Manual Does Not Cover

The *Seeds Not for Planting Manual* **does not** cover the following items:

- Articles manufactured from plants or plant products
(see the [Miscellaneous and Processed Products Manual](#))
- Fresh, cut portion of the plant including cut flowers and greenery intended for decoration (see the [Cut Flowers and Greenery Manual](#))
- Fresh and perishable seeds² (see the [Fruits and Vegetables Manual](#) and the [Fruits and Vegetables Import Requirements \(FAVIR\) On-line Database](#))
- Fresh fruit, herbs, or vegetables (see the [Fruits and Vegetables Manual](#) and the [Fruits and Vegetables Import Requirements \(FAVIR\) On-line Database](#))
- Nuts still in their husks **other than** coconuts (*Cocos nucifera*) and macadamia nuts (*Macadamia* spp.) (see [Fruits and Vegetables Manual](#) and the [Fruits and Vegetables Import Requirements \(FAVIR\) On-line Database](#))
- Nuts that are free from their husks or are shelled (see the [Miscellaneous and Processed Products Manual](#))
- Seeds for growing, increase, or planting (see the [Plants for Planting Manual](#))
- Seeds for sprouting (sprouting seeds)³ (see the [Plants for Planting Manual](#))
- Seeds processed beyond harvesting (see the [Miscellaneous and Processed Products Manual](#))
- Seeds that have sprouted (see the [Plants for Planting Manual](#))
- Seeds with pulp adhering, fleshy or leathery pulp, or unhusked seed **other than** coconuts (*Cocos nucifera*) and macadamia nuts (*Macadamia* spp.) (see the [Fruits and Vegetables Manual](#) and the [FAVIR Database](#))
- Sprouts⁴ (see [Fruits and Vegetables Manual](#) and [FAVIR Database](#))
- Unprocessed seeds contained in fruits or vegetables **other than** coconuts (*Cocos nucifera*) and macadamia nuts (*Macadamia* spp.) (see the [Fruits and Vegetables Manual](#) and the [FAVIR Database](#))

2 For example, fresh, green shelled peas.

3 Seeds for sprouting are considered an agricultural commodity.

4 Sprouts, a ready-to-eat food, are regulated as a vegetable.

Users

The *Seeds **Not** for Planting Manual* is written for use by the following regulatory officials working at airports, land borders, and seaports:

Customs and Border Protection (CBP) officers

CBP agricultural specialists

Plant Protection and Quarantine (PPQ) officers

The experience levels of users will vary, but the assumption is that the officers minimally have a working knowledge of using PPQ's import manuals to make regulatory decisions.

Domestic and international PPQ officers and other regulatory officials also use this manual to answer questions related to importations that are asked by the brokers, importers, public, and other interested parties.

Related Documents

Authority

Enabling legislation provides the authority to carry out the mission of protecting American agriculture from plant pests. Legislative Acts are the fundamental authority granted by Congress to the Secretary of Agriculture to promulgate regulations to protect American agriculture. The regulatory authority for taking the actions listed in this manual is contained in the following legislative Acts and multi-national treaty:

[Code of Federal Regulations](#)

[Convention for International Trade in the Endangered Species of Wild Fauna and Flora \(CITES\)](#)

[Endangered Species Act](#)

[Homeland Security Act of 2002](#)

[Plant Protection Act of 2000](#)

Code of Federal Regulations

The Code of Federal Regulations (CFRs) provide the authority for the regulatory action taken and are enforced by CBP and PPQ. The restrictions and prohibitions listed in this manual are covered by the following Title 7 and Title 50 Parts:

7 CFR 319.8

7 CFR 319.8 Subpart—Foreign Cotton and Covers provides the following:

Prohibits cottonseed, seed cotton, and fresh cut articles of cotton.

Restricts the entry of all unmanufactured parts of the cotton plant (lint, linters; cottonseed cake, hulls and meal; cotton gin and thread waste); secondhand burlap, covers, and other fabrics that have held cotton, grain, field seed, underground crops, and meats

Pests of concern—pink bollworm (*Pectinophora gossypiella*) and golden nematode (*Heterodera rostochiensis*)

7 CFR 319.24

7 CFR 319.24 Subpart—Corn Diseases provides the following:

Prohibits and restricts all parts of corn and corn relatives (including the seed) from specific countries

Diseases of concern—*Peronospora maydis*, downy mildew (*Sclerospora sacchani*), *Physoderma* diseases of maize (*Physoderma zae-maydis*), and corn brown spot (*Physoderma maydis*)

7 CFR 319.37

7 CFR 319.37 Subpart—Plants for Planting provides the following:

Regulates plants and plant parts capable of propagation, including branches with or without flowers imported as cut flowers, greenery, or decorative materials such as wreaths from the following genera: Chaenomeles, Cydonia, Eucalyptus, Malus, Poaceae, Prunus, Pyrus, Salix, and Vitis

Lists the approved growing media for propagative materials

7 CFR 319.41 7 CFR 319.41 Subpart—Indian Corn or Maize, Broomcorn, and Related Plants provides the following:

Prohibits or restricts the entry of corn, broomcorn, and related plants

Pest of concern—European corn borer (*Ostrinia nubilalis*)

7 CFR 319.55 7 CFR 319.55 Subpart—Rice provides the following:

Prohibits or restricts rice seeds, paddy rice, rice straw, and rice hulls

Diseases of concern—downy mildew (*Sclerospora macrospora*), leaf smut (*Entyloma oryzae*), blight (*Oospora oryzaetorum*), and glume blotch (*Melanomma glumarum*)

7 CFR 319.56 7 CFR 319.56 Subpart—Fruits and Vegetables provides the following:

Restricts or prohibits fresh fruits and vegetables (including herbs) from all countries

Restricts frozen fruits and vegetables

Includes fresh, cut articles imported for decoration when fresh fruits are attached, e.g. pineapples (*Ananas* spp.) that are used as decorative articles

Pests of concern—fruit and melon flies (*Tephritidae*)

7 CFR 319.59 7 CFR 319.59 Subpart—Wheat Diseases provides the following:

Prohibits and restricts plants, plant parts and products of wheat and wheat relatives from countries infested with Karnal bunt

Includes products of the milling process, articles which have been manufactured from wheat plants or plant parts if their use could serve to disseminate the spores of Karnal bunt, and fresh, cut plant parts for decorative purposes

Pests of concern—Karnal bunt (*Teilletia indica*)

7 CFR 319.73 7 CFR 319.73 Subpart—Coffee provides the following:

Prohibits green (unroasted) and insufficiently roasted coffee beans and empty sacks previously used for unroasted coffee from all areas of the world into Hawaii and Puerto Rico

Allows the entry into Hawaii and Puerto Rico of articles derived from the coffee plant if those articles present **no** risk of introducing the coffee berry borer or injurious rust diseases, e.g., coffee beans strung as beads offer little risk

Pest of concern—coffee berry borer (*Stephanoderes hampei*)

Disease of concern—rust disease caused by *Hemileia vastatrix*

7 CFR 319.75

7 CFR 319.75 Subpart—Khapra Beetle provides the following: Requires that articles capable of disseminating khapra beetle be treated as a condition of entry when coming from endemic or high risk countries.

7 CFR 330

7 CFR 330—Federal Plant Pest Regulations provides the following:

Restricts the entry of miscellaneous cargo, plants, carriers, or any item which is or may act as a carrier of plant pests

Restricts the movement of soil from Hawaii, Puerto Rico, and the U.S. Virgin Islands to the United States

Pest of concern which means any living stage of any insects, mites, nematodes, slugs, snails, protozoa, or other invertebrate animals, bacteria, fungi, other parasitic plants or reproductive parts thereof, viruses, or any organisms similar to or allied with any of the foregoing, or any infectious substances which can directly or indirectly injure or cause disease or damage in any plants or parts thereof, or any processed, manufactured, or other products of plants; or any living stage of insects, mites, nematodes, slugs, snails, protozoa, or other invertebrate animals, bacteria, fungi, other parasitic plants or reproductive parts thereof, viruses, or any organisms similar to or allied with any of the foregoing, or any infectious substances of the aforementioned which are **not** genetically engineered as defined in 7CFR 340.1 which can directly or indirectly injure or cause disease or damage in any plants or parts thereof, or any processed, manufactured, or other products of plants

7 CFR 360

7 CFR 360—Noxious Weed Regulation provides the following: Lists weeds that are noxious and allows the importation of seed of listed weeds only under an import permit.

If you are unsure whether a plant is a Federal noxious weed, then see [Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus](#) on **page 3-1**.

7 CFR 361

7CFR 361—Importation of Seed and Screenings Under the Federal Seed Act

50 CFR 17.12 50 CFR 17.12 Subpart—Endangered and threatened plants, provides the following: Lists all species of plants that have been determined by the United States Fish and Wildlife Service, Department of the Interior, to be endangered or threatened.

50 CFR 23.23 50 CFR 23.23 Subpart—Endangered Species Convention provides the following: Lists all species of plants and animals that have been placed in Appendix I, Appendix II, or Appendix III.

50 CFR 24.12 50 CFR 24.12 Section—Designated ports, provides the following: List of U.S. Department of Agriculture ports that are designated ports for the import, export, or re-export of plants listed in 50CFR 17.12 or 50CFR 23.23.

Convention for International Trade in the Endangered Species of Wild Fauna and Flora (CITES)

The Convention for International Trade in the Endangered Species of Wild Fauna and Flora (CITES) is a multinational treaty that regulates the importation of listed species of wild fauna and flora. CITES provides three appendixes for listing plants. These appendixes, in order of their restrictiveness are as follows:

1. CITES Appendix I—any genus, species, subspecies, or variety, globally threatened with extinction through trade.
2. CITES Appendix II—any taxon (the entire family—all genera and all species) that **must** be regulated in order to avoid the threat of extinction through trade.
3. CITES Appendix III—any species, subspecies, or variety listed by one country in order to enlist the cooperation of other countries to re-enforce domestic conservation measures by regulating trade.

Trade in protected species of CITES plants is monitored. More specifically, commercial trade in CITES Appendix I plants taken from the wild is **prohibited**, and commercial trade in CITES Appendix II plants is allowed **only** if that trade is **not** detrimental to the survival of the species in the wild.

Endangered Species Act

The Endangered Species Act (ESA)⁵ provides for the protection of listed species in two categories. These categories, listed in order of their restrictiveness, are as follows:

1. Endangered—any species, subspecies, or variety that is in danger of extinction throughout all or a significant portion of its range.
2. Threatened—any species, subspecies, or variety that is likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

In general, the ESA **prohibits** the trade in endangered and threatened species. The importation of threatened species may be allowed for scientific research, enhancement of propagation, enhancement of survival, educational exhibition, display at botanical gardens and arboretums, and other activities consistent with the purposes or policy of ESA.

Homeland Security Act of 2002

Title 4, Section 421, transfers certain agricultural functions of the Department of Agriculture

Plant Protection Act of 2000

The Plant Protection Act of 2000 provides the authority to prohibit or restrict imports, exports, or interstate movement of plant pests, plants, plant products, noxious weeds, biological control agents, and means of conveyance.

Other Related Documents

Other documents that include information related to the importation of seeds that are **not** used for planting are the *Manual for Agricultural Clearance* and the *Treatment Manual*.

Manual for Agricultural Clearance

The *Manual for Agricultural Clearance* (MAC) provides CBP personnel working at airport, maritime, and land border locations with guidelines, directions, and policy for excluding pests that are a threat to American agriculture.

Treatment Manual

The *Treatment Manual* provides the details of treatments for use when a commodity **must** be treated as a condition of entry or based on pest findings.

⁵ The Endangered Species Act of 2002 authorizes the USDA to enforce the Convention of International Trade in Endangered Species of Wild Fauna and Flora (CITES).

Application

The *Seed **Not** for Planting Manual* informs CBP agricultural specialists, PPQ officers, and their managers about how to regulate commercial and noncommercial shipments of seeds that are **not** for planting.

Conventions

Conventions are established by custom and are widely recognized and accepted. Major conventions used in this manual follow.

Advisories

Advisories are used throughout the *Seeds **Not** for Planting Manual* to bring important information to your attention. Please carefully review each advisory. The definitions coincide with American National Standards Institute (ANSI) and are in the format shown below:



DANGEROUS indicates that people could easily be hurt or killed.



WARNING indicates that people could possibly be hurt or killed.



CAUTION indicates that people could possibly be endangered and slightly hurt.



NOTICE indicates a possibly dangerous situation where goods might be damaged.



IMPORTANT indicates helpful information.

Boldface

Boldface type is used to emphasize important words throughout this manual. These words include: **always**, **cannot**, **do not**, **does not**, **except**, **lacks**, **must**, **neither**, **never**, **no**, **nor**, **not**, **only**, and **other than**.

Bullets

Bulleted lists indicate that there is **no** specific order to the information listed.

Change Bars

A black change bar (see left margin) is used to indicate a change and appears on the revised page. Unfortunately, change bars **do not** always appear when text is merely deleted. Change bars from the previous update are deleted when the chapter or appendix is revised.

Chapters

This manual contains the following chapters: *Introduction*, *Procedures*, and *Reference*.

Contents

Every chapter has a table of contents that lists the heading titles within.

Control Data

Control data is located at the top and bottom of each page to help manual users keep track of where they are in the manual and to be aware updates to specific chapters, sections, appendixes, etc., in the manual. At the top of the page is the chapter title and first-level heading. At the bottom of each page is the manual transmittal number (month, year, number), title of the manual, page number, and unit responsible for content of the manual.

Decision Tables

Decision tables are used throughout the manual. The first and middle columns in each table represent conditions; and the last column represents the action to take after all conditions listed for that row are considered. Begin with the column headings and move left-to-right; and if the condition **does not** apply, then continue one row at a time until you find the condition that does apply.

TABLE 1-1 How to Use Decision Tables

If you:	And if the condition applies:	Then:
Read this column cell and row first	Continue in this cell	TAKE the action listed in this cell
Find the previous condition did not apply, then read this column cell	Continue in this cell	TAKE the action listed in this cell

Examples

Examples are used to clarify a point by applying to a real-world situation. Examples always appear in boxes as a means of visually separating them from the other information contained on the page.

EXAMPLE Examples are graphically placed boxes within the text as a means of visually separating information from other information contained on the page. Examples will always appear in a box.

Footnotes

Footnotes comment on or cite a reference to text and are referenced by number. The footnotes used in this manual include general text footnote, figure footnotes, and table footnotes.

General text footnotes are located at the bottom of the page.

When space allows, figure and table footnotes are located at the end of the associated figure or table. However, for multi-page tables, or tables that cover the length of the page, footnote numbers and footnote text **cannot** be listed on the same page. If a figure or table continues beyond one page, then the associated footnotes will appear on the page following the end of the figure or table.

Heading Levels

Within each chapter and section there are three heading levels. The first heading is indicated by a horizontal line, and the heading follows directly below and across both the left and right columns. The second heading is in the right column with the text beginning below. The third heading is in the left column and the text is in the right column.

Hypertext Links (Highlighting)

Figures, headings, and tables that are cross-referenced in the body of the manual are highlighted and emphasized in boldface. These appear in blue are hypertext in the on-line manual.

EXAMPLE See [Table 1-2](#) in the [Introduction](#) to determine where to report problems with this manual.

Indentions

Entry requirements which are summarized from CFRs, import permits, or policies are indented on the page.

Italics

The following items are italicized throughout the *Seeds **Not** for Planting Manual*:

Cross-references to headings and titles

Publication names

Scientific names of commodities

Numbering Scheme

A two-level numbering scheme is used in this manual for figures, pages, and tables. The first number represents the chapter. The second number represents the figure, page, or table. This numbering scheme allows for identifying and updating. Dashes are used in page numbering to differentiate page numbers from decimal points.

Transmittal Number

The transmittal number contains the month, year, and a consecutively-issued number (beginning with -01 for the first edition and increasing consecutively for each update to the edition). The transmittal number is only changed when the specific chapter sections, appendixes, glossary, tables, or index is updated. If **no** changes are made, then the transmittal number remains unchanged. The transmittal number **only** changes for the entire manual when a new edition is issued or changes are made to the entire manual.

EXAMPLE

05/2010-29 is the transmittal number for this update and is located in the control data on the pages in this chapter.

05 is the month the update was issued

2010 is the year the update was issued

29 is the number (original new edition was 01 plus 28 updates)

Using the Manual

Review the contents of this manual to get a feel for the scope of the material covered. Glance through the section that you will be using and familiarize yourself with the organization of the information. Use the table of contents which follows to find the information you need. If the table of contents is **not** specific enough, then use the [Index](#) to find the topic and corresponding page number.

EXAMPLE

To find information to help you determine if you need to sample, go to **Step 2: Decide if You Need to Sample** on page 2-9

Reporting Problems With or Suggestions for the Manual

Use [Table 1-2](#) to determine where to report problems or disagreements with or suggestions for improvements for the *Seeds Not for Planting Manual*.

TABLE 1-2 Where to Report Problems With or Suggestions for the Seeds Not for Planting Manual

If you:	Then:
Are not able to access the on-line manual	CONTACT PPQ's Manuals Unit by calling 240-529-0357 or by sending an e-mail to deborah.j.briggs@aphis.usda.gov
Have a situation that requires an immediate response regarding the admissibility of a commodity	CBP CONTACT the Field Office Agriculture Liaison through the chain of command PPQ CONTACT PPQ Import Services Customer Support at 301-851-2046 or toll-free at 1-877-770-5990
Have a suggestion for improving the formatting of the manual (design, layout), composition, grammar, or spelling	CONTACT PPQ's Manuals Unit by sending an e-mail to deborah.j.briggs@aphis.usda.gov or by printing and completing the Comment Sheet , and sending by FAX to 240-529-0399 or mailing to the address on the form
Disagree with the admissibility of a commodity	CBP CONTACT the Field Office Agriculture Liaison through the chain of command with the reason for the disagreement and a recommendation PPQ CONTACT PPQ Import Services Customer Support at 301-851-2046 or toll-free at 1-877-770-5990
Disagree with policy, procedures	CBP CONTACT the Field Office Agriculture Liaison through the chain of command with the reason for the disagreement and a recommendation PPQ CONTACT PPQ Import Services Customer Support at 301-851-2046 or toll-free at 1-877-770-5990 with the reason for the disagreement and a recommendation

Manual Updates

The PPQ Manuals Unit issues and maintains manuals electronically on the Manuals Unit Web site. The on-line manuals contain the most up-to-date information.

Immediate update revisions to the manual are issued and distributed via e-mail to CBP Agricultural Specials and all PPQ employees.

Each immediate update contains the following information:

- Link to access and download the on-line manual
- List of the revised pages
- Purpose of the revision(s)
- Transmittal number

Ordering Additional Manuals and Revisions

Although using the on-line manuals is the preferred method, APHIS employees may order hard copies of manuals from the APHIS Printing, Distribution, and Mail Services Center in Riverdale, Maryland. Visit the Riverdale Print Shop Web site for detailed information and printing costs. The Manuals Unit is **not** responsible for printing costs

2

Seeds Not for
Planting Manual

Procedures

Contents

Introduction	page 2-1
Preparation	page 2-2
Information Needed	page 2-2
Materials Needed for Sampling Seeds	page 2-3
Regulatory Action	page 2-4
General Inspection Procedures for Clearing Seeds	page 2-6
Step 1: Determine if Admissible or Prohibited	page 2-7
Step 2: Decide if You Need to Sample	page 2-9
Step 3: Compute the Number of Subsamples to Draw	page 2-10
Step 4: Draw the Subsamples and Combine Them Into One Sample	page 2-12
Step 5: Inspect the Sample	page 2-13
Step 6: Take the Appropriate Regulatory Action	page 2-15
Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds	page 2-20
Background Information	page 2-20
Determine if Grinding Is an Appropriate Option for Mitigating Risk	page 2-21
Screenings	page 2-25
Special Procedures for Packaging and Mailing Samples of Screenings	page 2-25
Controlled Substances	page 2-27

Introduction

The information presented in the *Procedures* chapter includes the prerequisites and general directions for sampling, inspecting, and regulating unprocessed seeds; and special procedures and special procedures for authorizing the grinding of commodities contaminated with noxious weed seeds.

Unprocessed seeds **do not** include seeds that are intended for planting/increase; and have **not** undergone processes that change the nature of the seeds.

Preparation

The information presented under *Preparation* is a prerequisite to the *General Inspection Procedures for Clearing Seeds*. Be sure to complete the preparatory tasks described below.

Information Needed

Do some solid investigating and be creative when collecting the necessary information which can be obtained from a variety of sources. See [Table 2-1](#) for sources of information.

Obtain the following information:

Scientific or common name of the seeds

Origin of the seeds (where they were grown or harvested, **not** the port of lading)

Destination of the seeds (where they will be used)

Destination is **not** always the port of entry

Destination company's name may provide a clue on end use

Checking the consignee's web site to understand the nature of the business

Packaging and/or size of the shipment may provide a clue on intended use

Asking the broker where or how the seeds will be used

Intended use of the seeds (how the seeds are to be used determines which restrictions apply)

EXAMPLE

Corn seeds could be used for propagation, for food, or for animal feed. See also the *Animal Product Manual* to regulate animal feed.

Seeds that are **not** intended for propagation **must** be unprocessed beyond harvesting and free from fleshy pulp or leathery husks¹

Presence or absence of a phytosanitary certificate: presence of a phytosanitary certificate may indicate the importation is intended for planting

¹ Use this *Seed Not for Planting Manual* for coconuts (*Coconut (Cocos nucifera)*) and macadamia nuts (*Macadamia Nut (Macadamia spp.)*) that are still in their husks.

Make sure that the information is accurate. Manifests often show the port or airport of lading, but **not** the origin of the commodities; therefore, you may need to check other documents for the country of origin. Consult reference materials and PPQ specialists (botanist, entomologist, and plant pathologist) through proper channels when you are **not** sure what is being imported.

Example

An air waybill of lading shows 15 bags of cucurbit seeds being imported from Ireland. However, when you begin drawing subsamples, you notice the bags have printing that says the seeds were grown in India.

If the inspector has exhausted all attempts to clarify and is still unable to determine the intended use of seeds, then regulate the seeds as if they were intended for planting or growing and use the *Clearing Seeds for Planting: A Job Aid for CBP Officers* and the *Plants for Planting Manual*.

TABLE 2-1 Where to Collect Information Needed

If the shipment is:	Then get information from:
Commercial (for resale or for profit)	Carrier documents (air waybills and shipping papers) Computers and computer printouts Foreign phytosanitary certificates Interviews with importers, brokers, freight forwarders, or other representatives of the importer Invoices (obtained from importer or broker) Internet (search for the company's Web site) Labels Manifests and other U.S. Customs forms Notices of arrival Packing lists Permits: (APHIS, PPQ, Convention on International Trade in Endangered Species of Fauna and Flora (CITES), and Endangered Species (ESA))
Noncommercial (not for sale or profit)	Declaration (oral or written U.S. Customs declaration) Documents (such as a sales receipt) Foreign phytosanitary certificates Internet (search for the company's Web site) Interviews with the importers Labels (information written on the packaging) Permits

Materials Needed for Sampling Seeds

When preparing to sample seeds, have the following materials available:

- Adhesive tape
- Knife

Label or marking pen to identify the sample

Sample cloth (a piece of cloth the length of the trier to empty the subsamples onto)

Seed sample bag or quart-sized container (to hold the subsample)

Trier

Regulatory Action

Once you have all the information needed to make a regulatory decision, take one of the following actions:

Authorize Shipment

Hold

Prohibit Entry

Release

Authorize Shipment

The regulatory action to AUTHORIZE SHIPMENT may be authorized under U.S. Customs bond (also called in-bond or I.T.) and allows the item to move to another port where CBP or PPQ have personnel to inspect or monitor treatment of the item. Authorize shipment if:

The receiving CBP or PPQ office agrees to clear the cargo

The cargo is moving to an approved treatment facility when you would prescribe proper safeguards to prevent any pest escape

The cargo remains aboard the carrier as residue cargo and the destination is authorized for the regulated cargo

The conditions of the import permit require that the regulated item be cleared or treated at a specific port of entry (e.g., a valid 588 permit either Departmental Permit or Controlled Import Permit material to be cleared at the National Plant Germplasm Inspection Station in Beltsville, Maryland)

Hold

The regulatory action to HOLD maintains control of the cargo while:

Collecting information to make a regulatory decision

Awaiting inspection of the cargo

Awaiting importer or representative to make cargo accessible for inspection

Awaiting the identification of an “urgent interception”²

Awaiting decision by importer to apply for required import permit, to treat, or to re-export

Awaiting a copy of an approved import permit

Prohibit Entry

Take the regulatory action PROHIBIT ENTRY if the plants or plant products are:

Prohibited and **not** authorized by a valid 588 permit (either a Departmental Permit or a Controlled Import Permit)

Infested with plant pests and the importer refuses to treat the commodities

Imported and the importer refuses to comply with the conditions of entry

Infested with a pest for which a treatment **does not** exist or is **not** feasible

Release

Take the regulatory action to RELEASE after ensuring:

The material is admissible

All import permit requirements have been met

Treatable pests have **not** been found

Required treatments, if any, have been completed

All required documents are in order (CITES, import permits, foreign phytosanitary certificates)

-
- 2 If a commercial shipment requires treatment or if the shipment is being held pending the identification of a pest, allow the importer either to have the commodity treated or re-exported, or arrange for its destruction. In general, it is impractical to treat articles intercepted in baggage; therefore, seize and destroy such articles. On occasion, because of the high value of some seeds, you may have to defer a decision to a higher authority. In this instance, safeguard the seeds and refrigerate if necessary. Tell the passengers that they **must** arrange for the pick up or the forwarding of the seeds if they are found to be admissible.

General Inspection Procedures for Clearing Seeds

Figure 2-1 contains overview of the steps involved in sampling, inspecting, and regulating seeds **not** for planting. Details of each step follow the overview.

Step 1: Determine if Admissible or Prohibited

Step 2: Decide if You Need to Sample

Step 3: Compute the Number of Subsamples to Draw

Step 4: Draw the Subsamples and Combine Them Into One Sample

Step 5: Inspect the Sample

Step 6: Take the Appropriate Regulatory Action

FIGURE 2-1 General Inspection Procedures for Clearing Seeds Not for Planting

Step 1: Determine if Admissible or Prohibited

After collecting and reviewing the documents accompanying the shipment, determine the admissibility of each kind of seed using the *Reference* to identify if the seeds are restricted or prohibited by USDA-APHIS-PPQ regulations. Initially screen for prohibitions using **Table 2-2** if the seeds were listed in the *Reference*, or using **Table 2-3** if the seeds were **not** listed in the *Reference*.

TABLE 2-2 Screening for Prohibitions of Seeds Listed in the *Reference*

If the seeds are:	And the regulatory action listed is to:	Then:
Protected by CITES or ESA, or are from Federal noxious weeds or parasitic plants ¹	—————→	FOLLOW the directions in the <i>Reference</i> on page 3-1
Not from protected plants, noxious weeds, or parasitic plants	INSPECT and RELEASE	GO to Step 2: Decide if You Need to Sample
	REQUIRE a treatment	<ol style="list-style-type: none"> 1. HOLD the shipment 2. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements
	PROHIBIT ENTRY	<ol style="list-style-type: none"> 1. If unaccompanied by a valid 588 permit (either a Departmental Permit or a Controlled Import Permit), then ALLOW the importer to re-export or abandon for destruction 2. If in baggage or the mail, then PROHIBIT ENTRY 3. EXIT this manual

¹ If you are unsure whether the seeds are protected by CITES or ESA, or are from Federal noxious weeds or parasitic plants, then refer to ***Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus*** on **page 3-1** in the *Reference* for directions about how to access GRIN and other databases.

Procedures

General Inspection Procedures for Clearing Seeds

TABLE 2-3 Screen for Prohibitions of Seeds Not Listed in the Reference

If the seeds are:	And the seeds are:	And the importer:	And the seeds are:	Then:	
Protected by CITES or ESA, or are from Federal noxious weeds or parasitic plants ¹	CITES or ESA protected plants			1. HOLD shipment 2. CONTACT a CBP agricultural specialist to determine if you are a CITES designated port for the seeds being imported 3. If you are a CITES designated port for the seeds being imported: TAKE regulatory action under plant quarantines and plant pest regulations REGULATE as CITES or ESA as appropriate 4. If you are not a CITES designated port for the seeds being imported: SAFEGUARD under plant quarantines and plant pest regulations GIVE the importer one of the following options: Re-export the seeds to the country of origin Reroute the seeds to a CITES designated port NOTE: Shipping and handling charges are the responsibility of the importer	
			→		
	Federal noxious weeds or parasitic plants	Has a validated PPQ Form 526 ²		→	RELEASE or CONTROL as specified on the import permit
		Lacks a validated permit	Imported for research or experimental purposes		1. HOLD Shipment 2. DIRECT importer to apply for a Permit to Import Live Pests and Noxious Weeds ³
		Imported for a purpose other than research or experimentation		PROHIBIT ENTRY	
		Contaminants		GO to Table 2-9	
Not from protected plants, noxious weeds, or parasitic plants			→	1. INSPECT and RELEASE 2. GO to Step 2: Decide if You Need to Sample	

1 If you are unsure whether the seeds are protected by CITES or ESA, or are from Federal noxious weeds or parasitic plants, refer to **Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus** on **page 3-1** in the *Reference* for directions about how to access GRIN and other databases.

2 PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds.

3 Permit Unit Web site is http://www.aphis.usda.gov/permits/ppq_epermits.shtml or call or 1-877-770-5990.

Step 2: Decide if You Need to Sample

Use [Table 2-4](#) to determine if you need to sample based on the weight of the shipment. Find the weight of the shipment from the hold sheet (CBP Form AI-212, Agriculture Inspection Hold Sheet), the manifest, or the invoice.

TABLE 2-4 Decide if You Need to Sample the Seed Shipment

If the shipment is:	Then:
100 pounds or less	1. DO NOT sample 2. SKIP to Step 5: Inspect the Sample
More than 100 pounds	GO to Step 3: Compute the Number of Subsamples to Draw

Step 3: Compute the Number of Subsamples to Draw

You determine in Step 2 on [page 2-9](#) that a sample is required because the shipment weighs more than 100 pounds, as indicated on the hold sheet (PPQ Form 212), manifest, or invoice. To compute the number of subsamples to draw when the seeds are shipped in bags or packages, GO to 1. When the seeds are shipped in bulk, GO to 2.

1. Use [Table 2-5](#) to look up the total number of bags or packages in the shipment and find the number of subsamples to draw.

TABLE 2-5 Determine the Number of Subsamples to Draw

If the number of bags or packages in the shipment is:	Then draw this many subsamples to make your sample:
1 to 6	5
7 to 14	6
15 to 24	7
25 to 34	8
35 to 44	9
45 to 54	10
55 to 64	11
65 to 74	12
75 to 84	13
85 to 94	14
95 to 104	15
105 to 114	16
115 to 124	17
125 to 134	18
135 to 144	19
145 to 154	20
155 to 164	21
165 to 174	22
175 to 184	23
185 to 194	24
195 to 204	25
205 to 214	26
215 to 224	27
225 to 234	28
235 to 244	29
245 or more	30



Do not draw more than 30 subsamples if there are more than 245 bags or packages in the shipment.

Draw 5 subsamples if there are less than 5 bags or packages in the shipment.

2. Compute the number of subsamples to draw in a bulk shipment of seeds by doing the following:
 - A. Divide the total weight of the grain by 100 (an equivalent number to bags or packages).
 - B. Take the results from A. and use **Table 2-5** to look up the number of subsamples to draw.

EXAMPLE

A bulk shipment of seeds is invoiced as weighing 2,000 pounds, divided by 100 = 20. Looking up 20 in **Table 2-5**, it directs you to draw 7 subsamples.

Step 4: Draw the Subsamples and Combine Them Into One Sample

This step has two parts. First, sample the grain with a trier. If the seeds are too large, **do not** flow freely, or are packaged to prevent the use of a trier; then scoop up the seeds in your hand. Hand method of sampling is the least preferred method because it yields the least representative sample. Second, combine the subsamples to make up one sample of the shipment ready for inspecting.

1. Randomly draw the subsamples with a trier by doing the following. When sampling bulk shipments, draw the sample at equal intervals throughout the shipment.
 - A. Insert trier into the seeds (with the holes down and closed).
 - B. Rotate the entire trier until the holes are facing up.
 - C. Rotate the inner core of the trier to open the holes.
 - D. Lightly move the trier in and out to get the seeds into the trier.
 - E. Rotate the inner core of the trier to close the holes.
 - F. Remove the trier from the bag or bulk seeds.
 - G. Close the hole in the bag made by the trier. If it is a burlap or cloth bag, then close the hole in the bag by moving the tip of the trier over the weave. If it is a paper bag, then close the hole with a pressure sensitive label or masking tape.
2. Combine the subsamples drawn to make up one sample by doing the following:
 - A. Place the subsamples of seeds in a container or on a piece of paper large enough to hold all the subsamples.
 - B. Mix the seeds thoroughly to blend the subsamples. Make sure you collected enough seeds to have a sufficient amount to analyze (computed in *Step 3: Compute the Number of Subsamples to Draw*).
 - C. GO to *Step 5: Inspect the Sample*.

Step 5: Inspect the Sample

Inspect all seed shipments for plant pests. Because seeds are excellent hosts, look for all types of plant pests, **not** just insects. In addition, some pests may survive for years, safely lodged on or in seeds or on bits of stems or leaves mixed with seeds. Inspecting also includes examining bagging and containers for the presence of plant pests and other contaminants. Look for soil and other prohibited seeds, such as wheat in a corn shipment from a country infected with Karnal bunt. When inspecting bird seeds, thoroughly examine for noxious weed seeds as they are usually present.

Here is a list of what to look for in seeds and in their containers followed by detailed inspection techniques for each:

Burlap and Jute Bags

Contaminants

Insects

Mollusks (snails)

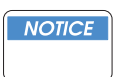
Nematodes

Noxious Weed Seeds

Pathogens (diseases)

Burlap and Jute Bags

If you are inspecting seeds in bags (especially in burlap and jute) and the seeds are being imported from a khapra beetle endemic country³, examine the seams and ears of the bags to uncover any khapra beetle (*Trogoderma granarium*) that might be hiding there.



If bags are made of used burlap or jute from khapra beetle endemic countries, then the shipment **must** be fumigated.

1. REQUIRE an import permit under 7CFR 319.75
2. REQUIRE T 302-c.
3. HOLD the shipment.
4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements.

Contaminants

When seeds are harvested or collected, they may be contaminated with prohibited trash, soil, manure, and seeds of other crops and weeds. In addition to looking for pests and pathogens, look for any plant litter in the seeds that could carry a pest. Be alert for soil, fungal bodies (like ergot and smut balls), nematode galls, chaff, stems, and parts of prohibited plants.

3 Countries where khapra beetle is endemic: Afghanistan, Algeria, Bangladesh, Burkina Faso (Upper Volta), Cyprus, Egypt, India, Iran, Iraq, Israel, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Pakistan, Saudi Arabia, Senegal, Sri Lanka, Sudan, Syria, Tunisia, Turkey, United Arab Emirates.

Procedures

General Inspection Procedures for Clearing Seeds

Insects

When inspecting for insects, look for frass and evidence of feeding. In the seeds of legumes, look for circular, transparent windows-evidence of seed borers. Examine seeds for exit holes and the presence of cast skins.

If the seed shipment is from a khapra beetle endemic country³, then inspect the seeds closely for khapra beetle (primarily cast skins and larvae).

Mollusks

Look for slime trails, shells, and aestivating snails.

Nematodes

Look for discolored seeds or kernels that are replaced by one or several galls.

Noxious Weed Seeds

Look for seeds and other reproductive parts of these weeds. Inspect carefully because some seeds of parasitic plants are as fine as dust. Use a magnification lamp or dissecting scope to look for noxious weed seeds.

Pathogens

Although some seedborne diseases **cannot** be detected visually, you can see the following characteristics:

- Discoloration near the germ end on cereals and grasses

- Pinkish kernels with a rough and scabby surface

- Small brown to black raised, circular spots on the seeds

- Brownish-gray spots with a light center


- Brown to yellowish sunken lesions

- Rust pustules, smuts, and sclerotic

Step 6: Take the Appropriate Regulatory Action

Take the appropriate regulatory action beginning with [Table 2-6](#).

TABLE 2-6 Take the Appropriate Regulatory Action Based on How the Seeds are Contained

If the seeds are contained in:	And arriving from or originating in:	Then:	Authority:
Used burlap or jute	Afghanistan, Algeria, Bangladesh, Burkina Faso (formerly Upper Volta), Burma (Myanmar), Cyprus, Egypt, India, Iran, Iraq, Israel, Libya, Mali, Mauritania, Morocco, Niger, Nigeria, Pakistan, Saudi Arabia, Senegal, Sri Lanka, Sudan, Syria, Tunisia, or Turkey	<ol style="list-style-type: none"> 1. REQUIRE an import permit¹ 2. HOLD the shipment 3. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements 4. REQUIRE T302-c-1² (see the Treatment Manual; methyl bromide rate cannot exceed label rate for the commodity) 5. GO to Table 2-7 	7CFR 319.75
	Country other than listed above	GO to Table 2-7	
Other than used burlap or jute		GO to Table 2-7	

- 1 If the importer **lacks** an import permit and the shipment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the shipment and direct the importer to apply for a permit (see [Plant Health Permits](#)).
- 2 Other pests or contaminants may be found that require a more potent treatment.

TABLE 2-7 Take the Appropriate Regulatory Action Based on Inspection Results

If you find:	Then:	Authority:
Pests such as insects, mites, snails, or pathogens ¹	<ol style="list-style-type: none"> 1. HOLD the shipment 2. SEND the interception for identification to the nearest PPQ Plant Inspection Station through proper channels 	
Soil or manure	<ol style="list-style-type: none"> 1. HOLD the shipment 2. FOLLOW local protocol to contact the appropriate district, region, or headquarters agricultural specialist 	
Plants or plant parts including their seeds ²	GO to Table 2-8	
No presence of pests or contaminants	RELEASE the shipment if it was otherwise admissible	7CFR 330.105

- 1 Although infested with the larva of the Mexican jumping-bean moth, *Cydia dehisiana*, the seeds of *Sebastiania* spp. and *Sapium* spp. are admissible. These seeds may be released without an import permit. Nevertheless, some States regulate these infested seeds.
- 2 If you **cannot** identify the plant from which the contaminant came, HOLD shipment and SEND the interception for identification to the nearest PPQ Plant Inspection Station through proper channels.

Procedures

General Inspection Procedures for Clearing Seeds

TABLE 2-8 Take the Appropriate Regulatory Action Based on Contamination of Plants or Plant Parts

If the plant contaminant is:	And is:	And there are:	And the seeds were harvested in:	Then:
Wheat ¹	—————→	—————→	—————→	INSPECT AND RELEASE ²
Corn, millets, or a corn relative specifically: <i>Chionachne</i> spp. <i>Coix</i> spp. <i>Echinochloa</i> spp. <i>Eleusine</i> spp. <i>Euchlaena</i> spp. <i>Miscanthus</i> spp. <i>Panicum</i> spp. <i>Pennisetum</i> spp. <i>Polytoca</i> spp. <i>Sclerachne</i> spp. <i>Setaria</i> spp. <i>Sorghum</i> spp. <i>Trilobachne</i> spp. <i>Tripsacum</i> spp.	Unlikely that the seed will be released into the environment ³	28 or fewer seeds of contaminant per quart of seed	—————→	RELEASE
		29 or more seeds of contaminant per quart of seed	Australia	GO to Table 2-10
			New Zealand	GO to Table 2-11
			Other than Australia or New Zealand	GO to Table 2-9
	Likely that the seed will be released into the environment ⁴	—————→	Australia	GO to Table 2-10
		—————→	New Zealand	GO to Table 2-11
		—————→	Other than Australia or New Zealand	GO to Table 2-9
Other than wheat, corn, or a corn relative including millets; or the plant contaminant is not identifiable	—————→	—————→	—————→	

- 1 If the wheat contaminating the seed comprises **more than** 5 percent of the imported seed, then treat the wheat as a component, **not** as a contaminant. For example, if a consignment of barley was 10 percent wheat, then take action on the wheat as well the barley. Take action on the most restrictive seed in the mixture, wheat in this case.
- 2 If you detect bunted kernels (perhaps Karnal bunt), return to [Table 2-7](#) and regulate as an actionable pest.
- 3 For example, the seed is for manufacturing, to be used as a spice, or it will be processed further.
- 4 For example, the seed will be used to feed animals or as bird seed.

TABLE 2-9 Take the Appropriate Regulatory Action Based on Plant Contaminants (Corn or Corn Relatives Including Millets, or Plant Contaminants That Are Not Identifiable)

If the contaminants are:	And the seeds:	Then:
Federal noxious weeds	Can be freed from the contaminants and the importer is in agreement, the contaminants can be devitalized, or grinding is appropriate method for mitigating the risk of noxious weed contamination ¹	<ol style="list-style-type: none"> 1. GO to Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds to determine if grinding is an appropriate option for nonpropagative commodities contaminated with Federal noxious weed seeds 2. AUTHORIZE movement of the shipment to a facility that will grind the seeds, remove the contaminant ², or have devitalized 3. If the seeds are freed from the contaminants or the seeds are ground or devitalized, then RELEASE; otherwise PROHIBIT ENTRY
	Cannot be freed from the contaminants, cannot be devitalized or ground to mitigate the risk of noxious weed contamination, or the importer disagrees	PROHIBIT ENTRY unless accompanied by, and in compliance with, a valid PPQ form 526, Permit to Move Noxious Weeds
Plant structures prohibited by 7 CFR 319 or 7 CFR 330 ³	→	PROHIBIT ENTRY unless accompanied by, and in compliance with, a valid 588 permit (either Departmental Permit or Controlled Import Permit)
Neither of the categories identified in the cells above	→	RELEASE

- 1 If grinding would be an appropriate method for mitigating the risk of contamination with noxious weed propagules, GO to [Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds](#) on page 2-20.
- 2 Before the entire shipment is cleaned, encourage the importer to have a sufficiently large sample run through the operation to verify that the contaminants can be removed.
- 3 Examples of prohibited seeds include those from bamboo, parasitic plants, and rice

Procedures

General Inspection Procedures for Clearing Seeds

TABLE 2-10 Take the Appropriate Regulatory Action Based on Plant Contaminants of Corn or Corn Relatives Including Millets in Seeds From Australia (from TABLE 2-8)

If grown in:	And the seeds are contaminated with:	And the seeds:	Then:
New South Wales, Australia	<i>Pennisetum clandestinum</i> , <i>Pennisetum macrourum</i> , <i>Pennisetum pedicellatum</i> , <i>Pennisetum polystachion</i> , or <i>Setaria pallide-fusca</i>	Can be freed from contaminants and the importer is in agreement, or the contaminants can be devitalized	1. AUTHORIZE the shipment to move to the facility that will remove contaminants ¹ or have them devitalized 2. If the seeds are freed from contaminants or they are devitalized, then RELEASE; otherwise 3. PROHIBIT ENTRY
		Cannot be freed from contaminants, cannot be devitalized, or the importer disagrees	PROHIBIT ENTRY unless accompanied by a validated PPQ Form 526 ²
	<i>Echinochloa</i> spp., <i>Eleusine</i> spp., <i>Panicum</i> spp., or a <i>Pennisetum</i> species or <i>Setaria</i> species not listed above	→	RELEASE
Queensland, Australia	<i>Pennisetum clandestinum</i> , <i>Pennisetum macrourum</i> , <i>Pennisetum pedicellatum</i> , <i>Pennisetum polystachion</i>	Can be freed from contaminants and the importer is in agreement, or the contaminants can be devitalized	1. AUTHORIZE the shipment to move to the facility that will remove the contaminants or have them devitalized 2. If the seeds are freed from contaminants ¹ or they are devitalized, then RELEASE; otherwise 3. PROHIBIT ENTRY
		Cannot be freed from contaminants, cannot be devitalized, or the importer disagrees	PROHIBIT ENTRY unless accompanied by a validated PPQ Form 526 ²
	<i>Echinochloa</i> spp., <i>Eleusine</i> spp., or a <i>Pennisetum</i> species not listed above	→	RELEASE
	<i>Panicum</i> spp. <i>Setaria</i> spp.	→	PROHIBIT ENTRY
An Australian state other than listed above		→	

- 1 Before the importer has the entire shipment cleaned, encourage the importer to have a sufficiently large sample run through the operation to verify that the contaminant can be removed.
- 2 PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds.

TABLE 2-11 Take the Appropriate Regulatory Action Based on Plant Contaminants of Corn or Corn Relatives Including Millets in Seeds From New Zealand (from TABLE 2-8)

If the seeds are contaminated with:	And the seeds:	Then:
<i>Pennisetum clandestinum</i> , <i>Pennisetum macrourum</i> , <i>Pennisetum pedicellatum</i> , <i>Pennisetum polystachion</i> , or <i>Setaria pallide-fusca</i>	Can be freed from contaminants and the importer is in agreement, or the contaminants can be devitalized	1. AUTHORIZE the shipment to move to the facility that will remove contaminants ¹ or have them devitalized 2. If the seeds are freed from contaminants or they are devitalized, then RELEASE; otherwise 3. PROHIBIT ENTRY
	Cannot be freed from contaminants, cannot be devitalized, or the importer disagrees	PROHIBIT ENTRY unless accompanied by a validated PPQ Form 526 ²
A species of millet not listed above	—————→	RELEASE if the millet is the only contaminant

- 1 Before the importer has the entire shipment cleaned, encourage the importer to have a sufficiently large sample run through the operation to verify that the contaminant can be removed.
- 2 PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds.

Procedures

Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds

Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds

Use these special procedures for determining if grinding is an appropriate option for nonpropagative commodities contaminated with Federal noxious weed seeds.



If regulatory officials find disease-significant contaminants, then grinding is **not** appropriate.

Background Information

USDA-APHIS-PPQ policy is to allow entry of commodities contaminated with noxious weed seeds when the commodities are **not** intended for planting or growing and after processing provided the following:

Contaminated seeds can be moved safely to the processing facility

Importer or processor enters into a compliance agreement with
USDA-APHIS-PPQ

Processing facility is **not** used for cleaning seeds

Processing facility is located where USDA-APHIS-PPQ can provide
monitoring

Processing of the contaminated seeds will eliminate the pest risk

Processing will eliminate risk from generated waste materials

Determine if Grinding Is an Appropriate Option for Mitigating Risk

Table 2-12 and **Table 2-13** provide the necessary information needed to determine whether the grinding process proposed by the importer will successfully mitigate the risk. These tables provide consistent information to ensure that the approval of grinding is consistent among ports of entry. These tables provide guidance, but **do not** preclude the need to monitor and spot check the milled products.

The first column of each table lists actionable weeds that have been detected in commodities such as spices, herbal medicines, and grain. **Table 2-12** lists actionable weed names beginning A through L; and **Table 2-13** lists those beginning M through Z.

The second column of each table provides the dimensions of the **smallest** propagule for the taxa, while the third column provides the **largest** appropriate U.S. standard screen size for the milling process.

The information contained in these tables may be incorporated into compliance agreements.

If you find noxious weeds **other than** those listed in these tables, then contact PPQ's National Identification Services (NIS) through proper channels. NIS will determine the smallest seed size for new noxious weeds and will update the information in the tables.

Continue to **Table 2-12** to select a screen size A through L; and see **Table 2-13** to select a screen size M through Z.

Procedures

Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds

TABLE 2-12 Select a Screen Size A through L

If the noxious weed is:	Then the smallest seed dimensions ¹ in length x width (in mm) are:	Then the largest U.S. standard screen ² through which milled products must pass 100 percent is:
<i>Asphodelus fistulosus</i> (onionweed)	(seed) 2.5 x 1.7	1.00 mm (USS # 18)
<i>Avena sterilis</i> (animated oat)	(caryopsis) 7 x 2	1.18 mm (USS # 16)
<i>Borreria alata</i> = <i>Spermacoce alata</i> (borreria)	(seed) 1.3 x 0.8	500 µm (USS # 35)
<i>Carthamus oxycantha</i> (wild safflower)	(achene) 3 x 1.8	1.18 mm (USS # 16)
<i>Commelina benghalensis</i> (Benghal dayflower)	(seed) 1.6 x 1.3	710 µm (USS # 25)
<i>Cuscuta</i> spp. (dodder)	(seed of smallest species) 0.6 x 0.6 (round)	355 µm (USS # 45)
		437 µm (SSBC #46) wire cloth
<i>Digitaria scalarum</i> = <i>Digitaria abyssinica</i> (African couch grass)	(spikelet) 1.7 x 0.8	500 µm (USS # 35)
<i>Digitaria velutina</i> (velvet fingergrass)	(spikelet) 1.6 x 0.5	300 µm (USS # 50)
<i>Emex spinosa</i> (devil's thorn)	(removed fruit/floral parts) 3 x 1.6	1.00 mm (USS # 18)
<i>Heracleum mantegazzianum</i> (giant hogweed)	(mericarp) 7 x 4.5	2.80 mm (USS # 7)
<i>Imperata cylindrica</i> (cogongrass) and <i>Imperata brasiliensis</i> (Brazilian satintail)	(caryopsis) 0.8 x 0.3	180 µm (USS # 80)
<i>Ipomoea aquatica</i> (Chinese water spinach)	(seed) 4 x 2.8	1.70 mm (USS # 12)
<i>Ischaemum rugosum</i> (murain-grass)	(caryopsis) 2 x 0.9	500 µm (USS # 35)

1 Derived from scientific literature and measuring herbarium specimens.

2 Smaller-pored screens may be used.

Use **Table 2-13** to select a screen size M through Z.

TABLE 2-13 Selecting a Screen Size M through Z

If the noxious weed is:	Then the smallest seed dimensions ¹ in length x width (in mm) are:	Then the largest U.S. standard screen ² through which milled products must pass 100 percent is:
<i>Mimosa invisa</i> (giant sensitive plant)	(seed) 2 x 1.6	1.00 mm (USS # 18)
<i>Oryza</i> spp. (hulled red rices)	(caryopsis) 3 x 1.2	710 µm (USS # 25)
<i>Paspalum scrobiculatum</i> (Kodo-millet)	(caryopsis) 1.3 x 0.9	500 µm (USS # 35)
<i>Pennisetum clandestinum</i> ³ (kikuyu grass)	(caryopsis) 1.5 x 1.1	710 µm (USS # 25)
<i>Rottboellia exaltata</i> = <i>R. cochinchinensis</i> (itchgrass)	(caryopsis) 3 x 1.75	1.00 mm (USS # 18)
<i>Setaria pallide-fusca</i> (cattail grass)	(caryopsis) 1.6 x 1.0	600 µm (USS # 30)
<i>Solanum torvum</i> (turkeyberry)	(seed) 1.5 x 1.0	600 µm (USS # 30)
<i>Tridax procumbens</i> (coat buttons)	(achene) 1.5 x 0.5	300 µm (USS # 50)
<i>Urochloa panicoides</i> (liverseed grass)	(caryopsis) 2 x 1.5	850 µm (USS # 20)

1 Derived from scientific literature and measuring herbarium specimens.

2 Smaller-pored screens may be used.

3 *Pennisetum clandestinum* **only** if admissible under 7CFR 319.24 and 7CFR 319.41.

Procedures

Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds

TABLE 2-14 Pore Diameters of U.S. Standard Screens (not part of the job aid)

Standard Screen (mm)	Opening Dimension Exceeded By No More than 5 Percent of the Openings (mm)	Alternate Screen Designation	Port Diameter (mm) Based on Opening Dimensions
0.150	0.174	USS # 100	0.246
0.180	0.207	USS # 80	0.293
0.212	0.242	USS # 70	0.342
0.250	0.283	USS # 60	0.400
0.300	0.337	USS # 50	0.477
0.355	0.396	USS # 45	0.560
0.425	0.471	USS # 40	0.666
0.500	0.550	USS # 35	0.778
0.600	0.660	USS # 30	0.933
0.710	0.775	USS # 25	1.096
0.850	0.925	USS # 20	1.308
1.00	1.080	USS # 18	1.527
1.18	1.270	USS # 16	1.796
1.4	1.505	USS # 14	2.128
1.7	1.820	USS # 12	2.574
2.00	2.135	USS # 10	3.193
2.36	2.515	USS # 8	3.557
2.80	2.975	USS # 7	4.207
3.35	3.55	USS # 6	5.020
4.00	4.23	USS # 5	5.982



Standard screen size indicates measurement of the side of a square pore.

Diameter = the square root of the (side-size squared x 2).

Screenings

Screenings are regulated to prevent the entry of noxious weeds. To regulate screenings, see [Table 3-46](#) on page 3-51.

Special Procedures for Packaging and Mailing Samples of Screenings

The target for these special procedures is noxious weeds. If you have samples of screenings that need to be sent for identification, then follow the directions below for packaging and mailing:

1. Pour the screenings into a plastic bag.
2. Secure the plastic bag with a rubber band or a string.



Never use staples to secure a plastic bag that contains screenings.

3. Use a separate cloth bag and place the plastic bag inside the cloth bag (double bag).
4. Complete *PPQ Form 237, Record of Seed Offered for Importation Under the Federal Seed Act*.
5. Place the completed *Part 3* (pink copy) of PPQ Form 237 and the declaration of labeling (copy of the label and invoice) inside the cloth bag.
6. Secure the cloth bag (outer bag) by tying with the mailing tag.
7. Send the sample by **PRIORITY MAIL** to the following address:

Seed Examination Facility
USDA-APHIS-PPQ
Room 319, Building 308, BARC-East
Beltsville, MD 20705

8. Give the completed *Part 4* (yellow copy) of PPQ Form 237 to the consignee or the consignee's agent.
9. Place the completed *Parts 1* and *2* (remaining white copies) of PPQ Form 237 in a separate envelope and send the envelope to the Seed Examination Facility by First Class Mail on the same day you send the sample.
10. If the importer has posted a performance bond, then you may allow the screenings to go forward to the owner's premises pending release by the Seed Examination Facility.
Otherwise, hold the screenings until released by the Seed Examination Facility.

- 11.** Request additional bags, forms, and tags from the Seed Examination facility at the address listed above.

Controlled Substances

Although **not** regulated specifically as controlled substances by USDA-APHIS regulations, some seeds in the *Seeds Not for Planting Manual* may be prohibited entry as a controlled substance by another U.S. authority's regulations.

EXAMPLE *Cannabis sativa* spp. *indica* (marijuana) seeds can be used to grow plants that can be the source of depressant drugs.

Apply all APHIS restrictions to seeds **not** for planting first; continue to **Table 2-15** below; and then contact a CBP Officer to determine admissibility as a controlled substance.

TABLE 2-15 Suspect Controlled Substances Imports of Seeds

If the seeds are:	And the seeds:	Then:
Suspected to be a controlled substance referenced in this manual (<i>Seeds Not for Planting Manual</i>)	Are free of pests and contaminants	<ol style="list-style-type: none"> 1. APPLY APHIS restrictions 2. REFER to a CBP Officer for enforcement and final disposition ¹ 3. If CBP determines the seeds are not a controlled substance, then INSPECT and RELEASE
	Have pest(s) or contaminant(s) present	<ol style="list-style-type: none"> 1. APPLY safeguarding measures ² and requirements, including double-bagging with 3-mil bags to ensure prevention of pest dissemination 2. APPLY APHIS restrictions 3. REFER to a CBP Officer for enforcement and final disposition ¹ 4. If CBP determines the seeds are not a controlled substance, then handle the seeds based on agriculture pest risk as any other plant material

- 1 If CBPAS inspects a controlled substance as a condition of entry, then CBP requires at least two uniformed CBP personnel to be present during the inspection.
- 2 Safeguarding measures for CBP are included in the *Manual for Agricultural Clearance (MAC)*, Chapter 11, *Preventing the Spread of Pests and Diseases*.

3

Seeds Not for
Planting Manual

Reference

Contents

- Introduction [page 3-1](#)
- Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus [page 3-1](#)
- Reference Tables [page 3-2](#)

Introduction

The *Reference* chapter includes decision tables that provide the regulatory action to take on importations of unprocessed seeds, and information about external databases used to identify protected plants and genera of taxa regulated higher than genus.

Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus

Infrequently, higher taxa are used in the *Reference Tables*, such as bamboo (Bambusoideae) and citrus (Rutaceae).

If you are unsure whether the unprocessed seeds are any of the following:

- Federal noxious weeds or parasitic plants

- Protected by CITES or ESA

- Regulated by taxa higher than genus (as the family, subfamily, and tribe);

then access external databases in the following order:

1. [GRIN](#) (Germplasm Resources Integrated Network, a taxonomic database that also identifies CITES-listed plants, ESA-listed plants, and Federal noxious weeds)
2. [Parasitic Plants Database](#)
3. [CITES Species Database](#)
4. [Federal Noxious Weed List](#)
5. [List of plants protected by ESA](#)

Reference Tables

The reference tables in this chapter are listed alphabetically by common name and include prohibitions, restrictions to be met, regulatory action to take, and authorities for the regulatory actions taken when encountering unprocessed seeds **not** intended for planting or growing. The regulatory actions also apply to unprocessed seeds arriving from Guam and Northern Mariana Islands.



If the regulated seeds require fumigation as a condition of entry, then **prohibit** entry to the seeds because Guam **does not** have fumigation facilities.

After collecting and reviewing the documents accompanying a consignment, then determine the admissibility of each kind of seed using the reference tables. (See *Step 1: Determine if Admissible or Prohibited* on page 2-7.) Some seeds are **not** listed in the reference tables. If the seeds are **not** listed, then use **Table 2-3** on page 2-8 of to determine admissibility.

Before using the reference tables, be aware of the following:

Seeds, including nuts, are listed **only** if the regulations or previous instructions have specified the conditions of entry (treatments, prohibitions, restrictions, and import permits)

Seeds are listed alphabetically by common names, **except** *Prunus* spp., *Ribes* spp., and *Solanum* spp., which have common names cross-referenced in the *Index*

Seeds that are closely related or that have the same conditions of entry and regulatory actions are listed together. These seeds are as follows:

Corn and closely-related plants

Cucurbits (melon, squash, cucumber, and pumpkin)

Wheat, goatgrass, and their intergeneric crosses

Higher taxa are used in some reference tables, such as for bamboo (Bambusaceae), citrus (Rutaceae), cucurbits (Cucurbitaceae). If you are unsure whether a genus is regulated by a higher taxa, then see the *Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus* on page 3-1 for direction about how to access GRIN and other related databases

When you **do not** find the name of the seeds or nuts, then look in the *Index*. If the seeds are **neither** in the reference tables **nor** the , then you may be able to inspect the consignment and release the seeds with oral permission if pest-free following the sampling and inspecting procedures in this manual. See *Step 2: Decide if You Need to Sample* on page 2-9

Prohibited seeds may be imported for research or experimental purposes **only** under a valid 588 permit either Departmental Permit or Controlled Import Permit

Plant pests, including noxious weeds, may be imported for research or experimental purposes **only** under a validated *PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds*, that has been validated by PPQ's Biological and Technical Services

If you encounter seeds that are contained in used burlap or jute arriving from khapra beetle endemic countries¹, then the consignment **must** be fumigated. Be aware that an additional treatment may be required depending on pest findings. REQUIRE an import permit under 7 CFR 319.75 and T306-c. HOLD the consignment and NOTIFY local PPQ that the shipment **must** be fumigated in order to meet entry requirements

If you encounter articles that contain more than one kind of seed and one or more of the components of the mixture are listed in the tables that follow, then take action based on the most restrictive ingredient

EXAMPLE If you are inspecting a consignment of wild bird seed originating in Mexico that lists as ingredients: canola seed, flax seed, niger seed, and proso millet, then you would take action on the niger seed. Handicrafts, seed art, animal feed, and wild bird seed are articles that may be mixtures of seeds.

¹ See the list of [Countries Infested With Khapra Beetle](#).



Reference

Acorn (*Quercus* spp.)

Acorn (*Quercus* spp.)

Acorns are regulated to prevent the entry of *Curculio elephas*, *C. nuncum*, *Cydia splendana*, and *Hemimene juliana*. Use **Table 3-1** to regulate acorns.

TABLE 3-1 Acorn (*Quercus* spp.)

If the acorns were harvested in:	And the acorns are intended for:	Then:	Authority:
Canada		INSPECT and RELEASE	7CFR 319.56-11
Mexico		INSPECT and RELEASE	
Country other than listed above	Food or feed	PROHIBIT ENTRY	
	Analytical, industrial, or other nonfood use	1. REQUIRE an import permit ¹ under 7CFR 319.56 2. REQUIRE T302-g-1 or T302-g-2 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	

1 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. See [Plant and Plant Products Permits](#) for instructions and information about permits.

Bamboo (Bambusoideae)

Bambusoideae is a subfamily of Poaceae and its tribes Bambuseae and Brachyelytreae include the genera and species of bamboo. A list of all genera and species of bamboo is provided in the GRIN database. For directions for how to access GRIN and other related databases, see *Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus* on page 3-1.

Seeds of bamboo are regulated from all countries to prevent the entry of bamboo smut, *Ustilago shiraiana*, and other exotic pathogens. Therefore, **prohibit** entry to seeds of Bambusoideae. Your authority is 7CFR 319.37.

TABLE 3-2 Bamboo (Bambusoideae)

If the bamboo seeds are from:	Then:	Authority:
All countries	PROHIBIT ENTRY	7 CFR 319.37

Reference

Chestnut (*Castanea* spp.)

Chestnut (*Castanea* spp.)

Chestnuts are regulated to prevent the entry of *Curculio elephas*, *C. nuncum*, *Cydia splendana*, and *Hemimene juliana*. Use **Table 3-3** to regulate chestnuts.

TABLE 3-3 Chestnuts (*Castanea* spp.)

If harvested in:	And is destined to:	And:	Then:	Authority:
Canada	→	→	INSPECT and RELEASE	7 CFR 319.56-11
Korea	→	Is accompanied by a PPQ Form 203 ¹ endorsed by a PPQ Officer in Korea	RELEASE	
		Lacks an endorsed PPQ Form 203	1. REQUIRE and import permit under 7 CFR 319.56 2. REQUIRE T101-t-1 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	
Mexico	→	→	INSPECT and RELEASE	
Country other than listed above	Guam or Northern Mariana Islands	→	INSPECT and RELEASE	7 CFR 330.105
	Other than Guam or Northern Mariana Islands	→	1. Requirement an import permit under 7 CFR 319.56 2. REQUIRE T101-t-1 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	7 CFR 319.56-11

1 PPQ Form 203 is a Foreign Site Certificate of Inspection and/or Treatment.

Chickpeas (*Cicer spp.*)

Chickpeas (*Cicer spp.*) are regulated to prevent the entry of khapra beetle (*Trogoderma granarium*). To regulate chickpeas, see [Table 3-4](#).

TABLE 3-4 Chickpeas (*Cicer spp.*)

If the country of origin is or the shipment transited through:	And the shipment:	And the shipment:	Then:	Authority
Afghanistan, Algeria, Bangladesh, Burkina Faso (Upper Volta), Cyprus, Egypt, India, Iran, Iraq, Israel, Kuwait, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Oman, Pakistan, Palestinian Authority (West Bank), Qatar, Republic of Sudan, Saudi Arabia, Senegal, South Sudan, Sri Lanka, Syria, Tunisia, Turkey, United Arab Emirates	Is commercial	Is accompanied by either a phytosanitary certificate or a re-export certificate with an additional declaration stating, "The shipment was inspected and found free of Khapra beetle (<i>Trogoderma granarium</i>)."	INSPECT and RELEASE	Federal Order effective January 17, 2012
		Lacks the certificate or the additional declaration	PROHIBIT ENTRY	
	Is non-commercial	—————→	PROHIBIT ENTRY	
Other than the countries listed in the cells above		—————→	INSPECT and RELEASE	

Reference

Citrus (Rutaceae)

Citrus (Rutaceae)

Citrus seeds (Rutaceae) are regulated from all countries to prevent the entry of seed borne citrus diseases. The citrus family of Rutaceae includes all species of the subfamilies Aurantioideae, Rutoideae, and Toddalioideae. A list of all genera and species of citrus is provided in the GRIN database. For directions for how to access GRIN and other related databases, see *Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus*.

TABLE 3-5 Citrus (Rutaceae)

If imported from:	And the shipment:	Then:	Authority
Any country	Is accompanied by an import permit	INSPECT and RELEASE	7 CFR 319.37
	Lacks an import permit	1. HOLD the consignment 2. DIRECT the importer to APPLY for an import permit	

Coconut (*Cocos nucifera*)

Coconuts are regulated to prevent the entry of lethal yellowing and cadang disease. Begin at [Table 3-6](#) on page 3-11 to regulate coconuts.

The coconut seed consists of the hard-shelled, woody-textured endocarp, enclosing the pulp (endosperm) and liquid (milk or water). The coconut seed is three-angled, with three large, slightly sunken pores; the coconut seed is smaller than the coconut fruit.

The coconut fruit is comprised of the epicarp (also called exocarp) layer, the middle mesocarp layer, and the inner endocarp layer, all of which encloses the coconut nut or seed. Coconut fruit is botanically classified as a drupe².

The coconut of commerce is the fruit with the husk removed. The coconut fruit with liquid is viable and capable of sprouting. Coconut pulp and milk can be used as food. See also definition of [coconut fruit](#).

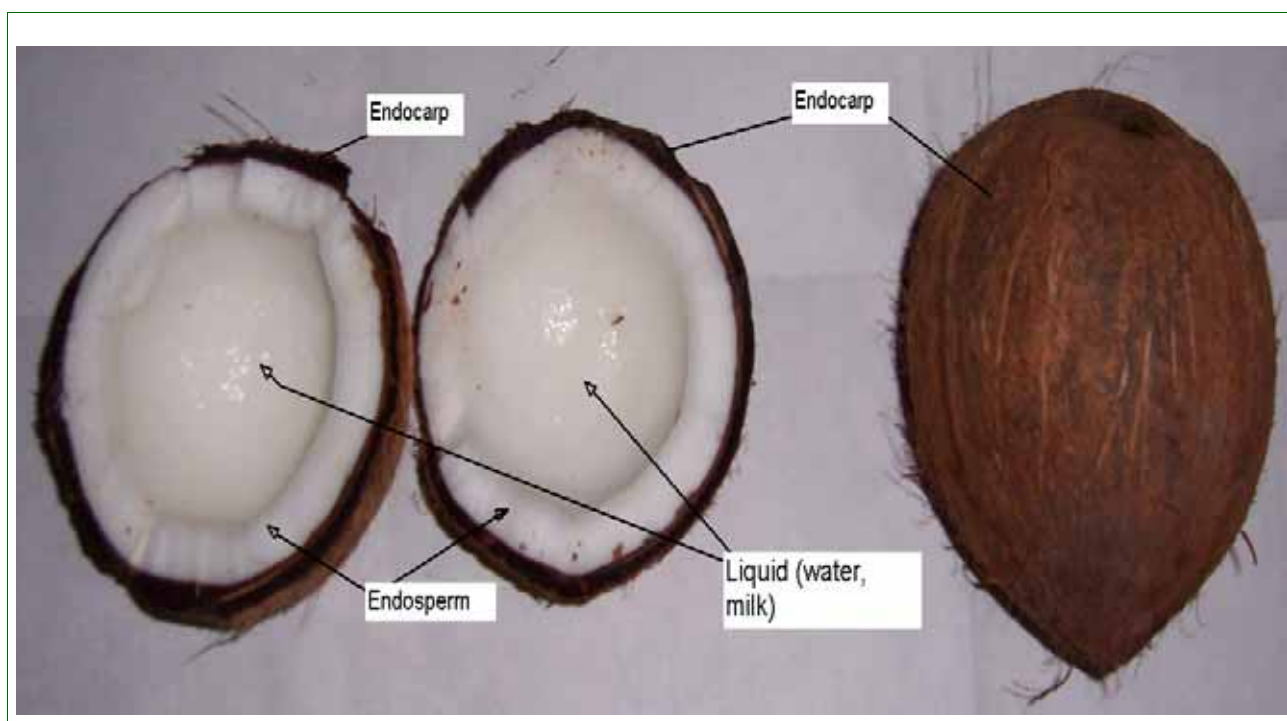


FIGURE 3-1 Coconut Seeds

² A drupe is a fleshy or fibrous, one-seeded, indehiscent (**does not** split open at maturity) fruit.

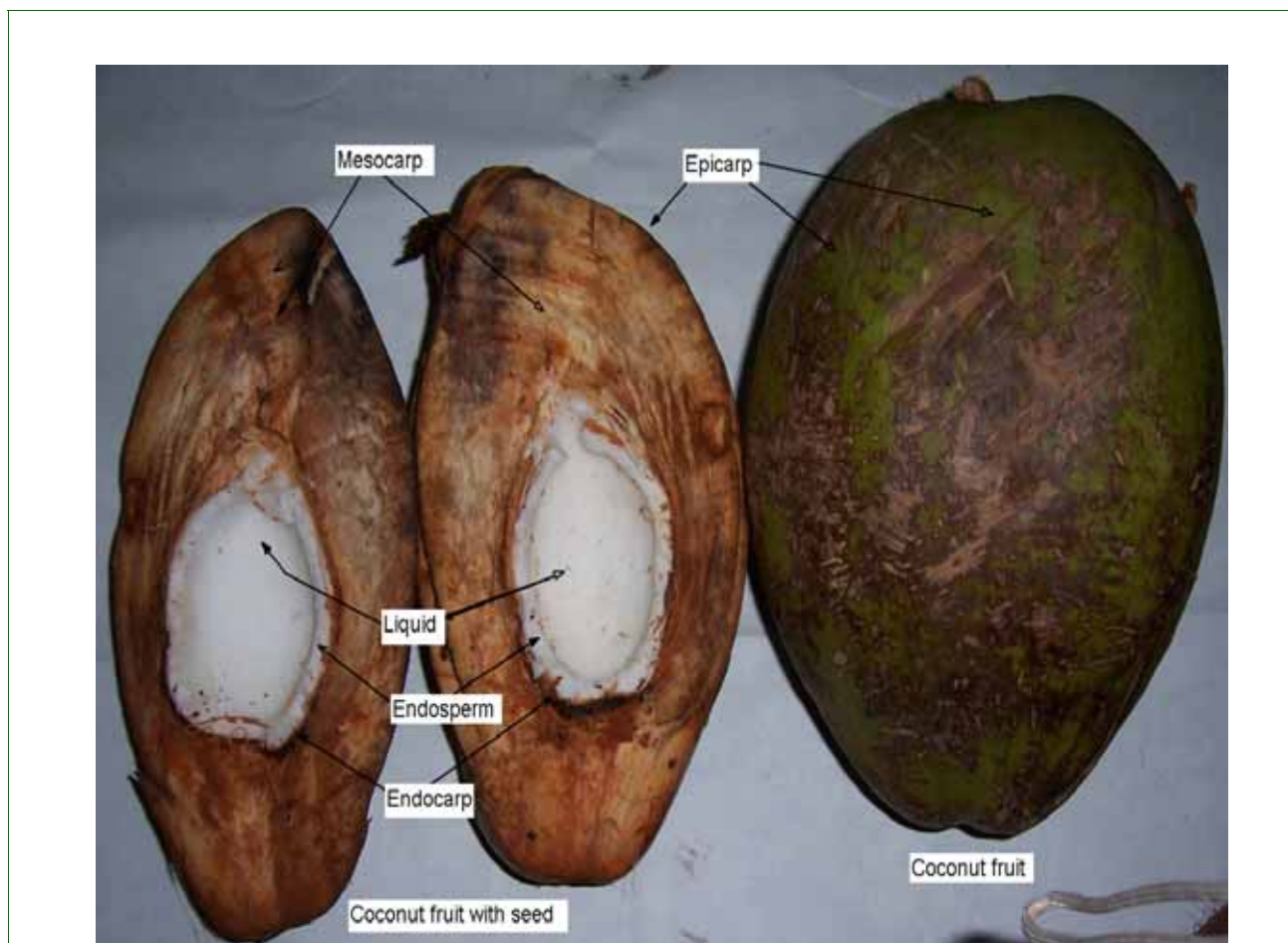


FIGURE 3-2 Coconut Fruit With Seed Section

TABLE 3-6 Coconut (*Cocos nucifera*)

If coconuts were harvested in:	And the coconuts:	And coconuts are:	And the shipment:	Then:	Authority
Costa Rica	Have sprouted		→	PROHIBIT ENTRY	7CFR 319.37
	Have not sprouted	With husk and milk (liquid)	Is accompanied by a Costa Rican phytosanitary certificate stating that the coconuts are of Malayan dwarf variety or Maypan variety	INSPECT and RELEASE; an import permit is not required	7CFR 319.37 and 319.56
			Lacks the phytosanitary certificate described above	PROHIBIT ENTRY	
		Without husk or without milk (liquid)	→	INSPECT and RELEASE; an import permit is not required	7CFR 319.56
Jamaica	Have sprouted		→	PROHIBIT ENTRY	7CFR 319.37
	Have not sprouted	With husk and milk (liquid)	Is accompanied by a Jamaican phytosanitary certificate stating that the coconuts are of Malayan dwarf variety or Maypan variety	INSPECT and RELEASE; an import permit is not required	7CFR 319.37 and 319.56
			Lacks the phytosanitary certificate described above	PROHIBIT ENTRY	
		Without husk or without milk (liquid)	→	INSPECT and RELEASE; an import permit is not required	7CFR 319.56
Mexico	Have sprouted		→	PROHIBIT ENTRY	7CFR 319.37
	Have not sprouted	With husk and milk (liquid)	Is accompanied by a Mexican phytosanitary certificate stating the coconuts are of Malayan dwarf variety or Maypan variety; and an import permit	INSPECT and RELEASE	7CFR 319.56
			Lacks the phytosanitary certificate described above	PROHIBIT ENTRY	
			Lacks an import permit	1. PLACE the shipment on HOLD 2. ALLOW the importer to apply for an import permit	
Without husk or without milk (liquid)	→	INSPECT and RELEASE; an import permit is not required			
Country other than listed above			→	GO to Table 3-7 on page 3-12	

Reference

Coconut (*Cocos nucifera*)

TABLE 3-7 Coconut (*Cocos nucifera*) from Other than Costa Rica, Jamaica, and Mexico

If the coconuts:	And:	And the coconuts:	And:	And the:	Then:	Authority :
Have liquid (coconut milk)	Any portion of the husks ¹ is present	Are immature	You can verify the coconuts were harvested in Thailand	Green, outer shell surface of the husks has been removed	INSPECT and RELEASE	7CFR 319.56
				Green, outer shell surface of the husks has not been removed	PROHIBIT ENTRY	7CFR 319.37
			You cannot verify the coconuts were harvested in Thailand	→	PROHIBIT ENTRY	
			Coconuts were harvested in other than Thailand	→	PROHIBIT ENTRY	
		Are mature	→	PROHIBIT ENTRY		
		Husks ¹ were completely removed	Have sprouted	→	PROHIBIT ENTRY	7CFR 319.37
Have not sprouted	→		INSPECT and RELEASE	7CFR 319.56		
Lack liquid			→	INSPECT and RELEASE	7CFR 319.56	

1 The coconut husk includes the outer shell (epicarp) and middle layer (mesocarp) of the fruit wall of the coconut fruit.

Coffee, Green Unroasted (cafe, java, *Coffea* spp.)

Coffee is regulated to prevent the entry of Mediterranean fruit fly (*Ceratitis capitata*), coffee berry borer (*Hypothenemus hampei*), and *Hemileia vastatrix* that is an injurious rust disease of coffee. Use [Table 3-8](#) to regulate green unroasted coffee.

TABLE 3-8 Coffee, Green Unroasted (cafe, java, *Coffea* spp.)

If the consignment is destined to:	And the consignment is:	And the consignment is:	And the coffee is:	Then:	Authority:
Alaska Continental United States Guam Northern Mariana Islands U.S. Virgin Islands	Samples	Transiting Hawaii or Puerto Rico	Packaged to prevent the escape of plant pests	ALLOW sample to move forward	7CFR 319.73
			Not packaged to prevent the escape of plant pests	1. REPACKAGE samples to prevent the escape of plant pests 2. ALLOW samples to move forward	
		Not transiting Hawaii or Puerto Rico	→	INSPECT and RELEASE	
	Other than samples	Transiting Hawaii or Puerto Rico	→	PROHIBIT ENTRY DO NOT allow coffee to be discharged from the carrier	
			Not transiting Hawaii or Puerto Rico	→	
		Hawaii Puerto Rico	→	→	

Reference

Corn (*Zea mays*) and Closely-related Plants

Corn (*Zea mays*) and Closely-related Plants

The closely-related plants to corn include: *Chionachne* spp., *Coix* spp., *Echinochloa* spp., *Eleusine* spp., *Euchleana* spp., *Miscanthus* spp., *Panicum* spp., *Pennisetum* spp., *Polytoca* spp., *Sclerachne* spp., *Setaria* spp., *Sorghum* spp., *Trilobachne* spp., and *Tripsacum* spp.

Corn and its relatives are regulated to prevent the entry of exotic plant diseases including *Peronospora maydis*, *Sclerospora sacchari*, and other downy mildews; also *Physoderma zae-maydis* and *Physoderma maydis*.

Millet, close relatives of corn, are regulated to prevent the entry of exotic plant diseases including *Peronospora maydis*, *Sclerospora sacchari*, other downy mildews, and *Physoderma zae-maydis*, and *Physoderma maydis*.

Pennisetum, a close relative of corn, is regulated to prevent the entry of exotic plant diseases.

Begin at [Table 3-9](#) to regulate seed importations of corn and closely related plants. If plant contaminants, see [Table 2-8](#) on page 2-16.

TABLE 3-9 Corn (*Zea mays*) and Closely Related Plants

If destined to:	And the seeds are:	And the outer shells are:	Then:	Authority:
Guam Northern Mariana Islands		→	INSPECT and RELEASE	7CFR 319.37
State or territory other than listed above	Corn (<i>Zea mays</i>)	→	GO to Table 3-10	
	Adlay (<i>Coix</i> spp.)	Removed ¹	INSPECT and RELEASE	7CFR 319.24
	Job's tears (<i>Coix lacryrma</i>)	Intact ²	GO to Table 3-11	7CFR 319.41
	Millet of: <i>Echinochloa</i> spp. <i>Eleusine</i> spp. <i>Panicum</i> spp. <i>Setaria</i> spp.	→	GO to Table 3-31	
	Millet of <i>Pennisetum</i> spp.	→	GO to Table 3-32	
	Corn relatives other than listed above	→	GO to Table 3-11	

1 The remaining seed is grooved and about the size of a kernel of popcorn or smaller.

2 Looks like a lacquered teardrop, slightly larger than a kernel of field corn.

TABLE 3-10 Corn (*Zea mays*)

If the corn was harvested in:	Then:	Authority
Africa, Algeria, Angola, Armenia, Australia, Azerbaijan, Bangladesh, Belarus, Benin, Bhutan, Botswana, Brunei, Bulgaria, Burkina Faso, Burundi, Cambodia, Cameroun, Cape Verde, Central African Republic, Chad, China, Comoros, Congo (Republic of), Congo (Democratic Republic of), Cote d'Ivoire, Djibouti, Egypt, Equatorial Guinea, Eritrea, Estonia, Ethiopia, Gabon, Gambia, Georgia, Ghana, Guinea, Guine-Bissau, Hong Kong, India, Indonesia, Japan and adjacent islands, Kazakhstan, Kenya, Kyrgyzstan, Laos, Latvia, Lesotho, Liberia, Libya, Lithuania, Madagascar, Malaysia, Malawi, Mali, Mauritania, Mauritius, Moldova, Mongolia, Morocco, Mozambique, Myanmar, Namibia, Nepal, Niger, Nigeria, North Korea, Oceania, Pakistan, Papua New Guinea, Philippines, Russia, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Singapore, Somalia, South Africa, South Korea, Sudan, Sri Lanka, Swaziland, Taiwan (Province of China), Tajikistan, Tanzania, Thailand, Timor-Leste, Tunisia, Turkmenistan, Uganda, Ukraine, Uzbekistan, Vietnam, Zambia, Zimbabwe	<ol style="list-style-type: none"> 1. PROHIBIT ENTRY 2. REFER all requests for import permits to Permit Services Plant and Plant Products Permits or call 1-877-770-5990; importations are allowed only under a valid 588 permit either Departmental Permit or Controlled Import Permit 	<p>7CFR 319.24</p> <p>7CFR 319.41</p>
Country or region other than listed above	<ol style="list-style-type: none"> 1. REQUIRE an import permit 2. INSPECT and RELEASE 	7CFR 319.41

TABLE 3-11 Adlay with Shell (*Coix spp.*), Job's Tears with Shell (*Coix lacryma*), and Corn Relatives

If:	And harvested in:	Then:	Authority
<i>Coix</i> spp. (Adlay)	Africa, Algeria, Angola, Armenia, Australia,voire, Djibouti, Egypt, Equatorial Guinea, Eritrea, Estonia, Ethiopia, Gabon, Gambia, Georgia, Ghana, Guine Azerbaijan, Bangladesh, Belarus, Benin, Bhutan, Botswana, Brunei, Bulgaria, Burkina Faso, Burundi, Cambodia, Cameroun, Cape Verde, Central African Republic, Chad, China, Comoros, Congo (Republic of), Congo (Democratic Republic of), Cote d'Ia, Guine-Bissau, Hong Kong, India, Indonesia, Japan and adjacent islands, Kazakhstan, Kenya, Kyrgyzstan, Laos, Latvia, Lesotho, Liberia, Libya, Lithuania, Madagascar, Malaysia, Malawi, Mali, Mauritania, Mauritius, Moldova, Mongolia, Morocco, Mozambique, Myanmar, Namibia, Nepal, Niger, Nigeria, North Korea, Oceania, Pakistan, Papua New Guinea, Philippines, Russia, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Singapore, Somalia, South Africa, South Korea, Sudan, Sri Lanka, Swaziland, Taiwan (Province of China), Tajikistan, Tanzania, Thailand, Timor-Leste, Tunisia, Turkmenistan, Uganda, Ukraine, Uzbekistan, Vietnam, Zambia, Zimbabwe	<ol style="list-style-type: none"> 1. PROHIBIT ENTRY 2. REFER all requests for import permits to Permit Services Plant and Plant Products Permits or call 1-877-770-5990; importations are allowed only under a valid 588 permit either Departmental Permit or Controlled Import Permit 	7CFR 319.24
<i>Coix lacryma</i> (Job's tears with shell)			7CFR 319.41
<i>Chionachne</i> spp.			
<i>Euchleana</i> spp.			
<i>Miscanthus</i> spp.			
<i>Polytoca</i> spp.			
<i>Sclerachne</i> spp.			
<i>Sorghum</i> spp.			
<i>Trilobachne</i> spp.			
<i>Tripsacum</i> spp.			
Country or region other than listed above	<ol style="list-style-type: none"> 1. REQUIRE an import permit 2. INSPECT and RELEASE 	7CFR 319.41	

Reference

Cotton (*Gossypium* spp.)

Cotton (*Gossypium* spp.)

Cotton seed is regulated to prevent the entry of pink bollworm, *Pectinophora gossypiella*. Use [Table 3-13](#) to regulate cotton seeds.

TABLE 3-12 Cotton (*Gossypium* spp.)


If destined to:	And the seeds are:	Then:	Authority
Guam Northern Mariana Islands		INSPECT and RELEASE	7CFR 319.8
State or territory other than listed above	Smooth (acid delinted)	INSPECT and RELEASE	
	Fuzzy (not acid delinted)	GO to Table 3-13	

TABLE 3-13 Cotton (*Gossypium* spp.), Fuzzy (Not Acid Washed) Destined to Other Than Guam or North Mariana Islands

If the country of origin is:	And:	And the consignment is destined to:	Then:	Authority
Approved areas of Mexico (State of Baja, State of Sinaloa, State of Sonora)	Is accompanied by an import permit and PPQ Form 203	All ports	RELEASE	7CFR 319.8
	Is accompanied by an import permit, but lacks PPQ Form 203	All ports other than ports south of Norfolk, Virginia (VA) and south of Portland, Oregon (OR)	1. REQUIRE T301 2. HOLD the consignment 3. NOTIFY local PPQ that the shipment must be treated to meet entry requirements	
		Ports south of Norfolk, VA	FOLLOW the instructions on the import permit	
		Ports south of Portland, OR	FOLLOW the instructions on the import permit	
Australia	Is accompanied by an import permit and an Australian phytosanitary certificate verifying that the shipment has been treated according to T301-e	All ports	RELEASE	
	Lacks an import permit and/or an Australian phytosanitary certificate verifying that the shipment has been treated according to T301-e	All ports	PROHIBIT ENTRY	
All countries other than Australia or approved areas of Mexico listed above	Is accompanied by an import permit	Norfolk, VA North of Norfolk, VA Portland, OR North of Portland, OR	1. REQUIRE T-301 2. HOLD the consignment 3. NOTIFY local PPQ that the shipment must be treated to meet entry requirements	
		South of Norfolk, VA	PROHIBIT ENTRY	
		South of Portland, OR	PROHIBIT ENTRY	

Reference

Cucurbits (melon, cucumber, pumpkin, squash) (Cucurbitaceae)

Cucurbits (melon, cucumber, pumpkin, squash) (Cucurbitaceae)

Cucurbit seeds are regulated when originating in khapra beetle endemic countries to prevent the entry of khapra beetle, *Trogoderma granarium*. Use [Table 3-14](#) to regulate seeds of cucurbits (Cucurbitaceae³).

TABLE 3-14 Cucurbits (melon, cucumber, pumpkin, squash) (Cucurbitaceae)

If consignment weighs:	And the cucurbit seeds were harvested in:	Then:	Authority:
2 ounces or less	→	INSPECT and RELEASE	7CFR 330.105
More than 2 ounces	Afghanistan, Algeria, Bangladesh, Burkina Faso (Upper Volta), Cyprus, Egypt, India, Iran, Iraq, Israel, Kuwait, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Oman, Pakistan, Palestinian Authority (West Bank), Qatar, Republic of Sudan, Saudi Arabia, Senegal, South Sudan, Sri Lanka, Syria, Tunisia, Turkey, United Arab Emirates	1. REQUIRE an import permit ¹ under 7CFR 319.75 and a phytosanitary certificate ² 2. REQUIRE T302-c-1 (see the Treatment Manual ; methyl bromide cannot exceed label rate for the commodity) 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	7CFR 319.75
	Country other than listed above	INSPECT and RELEASE	7CFR 330.105

- 1 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.
- 2 **Do not** prohibit entry if the importer **lacks** a phytosanitary certificate.

³ A list of all genera and species of cucurbits is provided in the GRIN database. For directions for how to access GRIN and other related databases, see [Identification of Protected Plants and Genera of Taxa Regulated Higher Than Genus](#).

Cumin (*Cuminum cyminum*)

Cumin seeds in jute or burlap bagging from khapra beetle endemic countries are regulated to prevent the entry of khapra beetle, *Trogoderma granarium*. Use [Table 3-15](#) to regulate cumin seeds.

TABLE 3-15 Cumin (*Cuminum cyminum*)

If the seeds were harvested in:	And were bagged in:	Then:	Authority:
Pakistan	Jute or burlap (new or used)	<ol style="list-style-type: none"> 1. REQUIRE an import permit¹ under 7CFR 319.75 and a phytosanitary certificate² 2. REQUIRE T302-c-1 (see the Treatment Manual; methyl bromide cannot exceed label rate for the commodity) 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements 	7CFR 319.75
	Neither jute nor burlap	INSPECT and RELEASE	7CFR 330.105
Afghanistan, Algeria, Bangladesh, Burkina Faso (Upper Volta), Cyprus, Egypt, India, Iran, Iraq, Israel, Kuwait, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Oman, Pakistan, Palestinian Authority (West Bank), Qatar, Republic of Sudan, Saudi Arabia, Senegal, South Sudan, Sri Lanka, Syria, Tunisia, Turkey, United Arab Emirates	Used jute or burlap	<ol style="list-style-type: none"> 1. REQUIRE an import permit¹ under 7CFR 319.75 2. REQUIRE T302-c-1 (see the Treatment Manual; methyl bromide cannot exceed label rate for the commodity) 3. HOLD consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements 	7CFR 319.75
	New jute or burlap or any other material	INSPECT and RELEASE	7CFR 330.105
Country other than listed above	→	INSPECT and RELEASE	7CFR 330.105

- 1 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.
- 2 **Do not** prohibit entry if the importer **lacks** a phytosanitary certificate.

Reference

Cut Grass, Catch-fly Grass, White Grass (*Leersia* spp.)

Cut Grass, Catch-fly Grass, White Grass (*Leersia* spp.)

Prohibit entry to grass seeds (*Leersia* spp.).

TABLE 3-16 Cut Grass, White Grass (*Leersia* spp.)

If the seeds are:	Then:	Authority
Catch-fly grass	PROHIBIT ENTRY	7 CFR 319.37
Cut grass		
White Grass		

Dodder (*Cuscuta* spp.)

More than 150 *Cuscuta* spp. are parasitic plant pests. Non-indigenous species are also Federal noxious weeds.

Unprocessed dodder seeds may be found in *Cuscuta* cakes, loose seed, herbal medicine, and tea bags. The most commonly used trade names appear on consignment labels as: *Cuscuta chinensis* (Tu Si Zi in Chinese), *Cuscuta japonica* (Toshishi in Japanese), *Cuscuta* spp. (Tosaja in Korean), and Semen Cuscutae⁴; however this list of trade names is **not** all inclusive. See [Table 3-17](#) to regulate dodder (*Cuscuta* spp.).

TABLE 3-17 Dodder (*Cuscuta* spp.)

If the imported item is:	And:	Then:	Authority
Dodder (<i>Cuscuta</i> spp.)	Seeds are whole	PROHIBIT ENTRY	7 CFR 330 7 CFR 360 7 CFR 361
	Seeds have been crushed or processed	SEE the <i>Miscellaneous and Processed Products Manual</i>	
Other than dodder seeds	Dodder is a contaminant mixed with other whole imported seeds	SEE Contaminants on page 2-13 and Special Procedures for Authorizing the Grinding of Commodities Contaminated with Federal Noxious Weed Seeds on page 2-20	
	Dodder is a contaminant mixed with other processed seeds	SEE the <i>Miscellaneous and Processed Products Manual</i>	

⁴ Semen Cuscutae is a pharmaceutical name and is **not** a botanical name.

Reference

Elm (*Ulmus* spp.)

Elm (*Ulmus* spp.)

Elm seeds are regulated to prevent the entry of the elm mottle virus. Use [Table 3-18](#) to regulate elm seeds.

TABLE 3-18 Elm (*Ulmus* spp.)

If harvested in:	Then:	Authority:
Europe ¹	PROHIBIT ENTRY	7CFR 319.37
Other than Europe	INSPECT and RELEASE	

1 The recognized countries of Europe, **not** dependencies and/or territories are as follows: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Monaco, Netherlands, Norway, Poland, Portugal, Romania, San Marino, Serbia and Montenegro (formerly Yugoslavia), Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Vatican City.

Faba Bean, Horsebean (*Vicia faba*)

Faba beans are regulated to prevent the entry of seed weevils, Bruchidae.
Begin at [Table 3-19](#) to regulate faba beans.

TABLE 3-19 Faba Bean, Horsebean (*Vicia faba*)

If harvested in:	Then:	Authority:
Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, British Virgin Islands, Canada, Cayman Islands, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Grenada, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Saint Barthélemy, St. Eustatius, St. Kitts and Nevis, St. Lucia, St. Martin, St. Vincent and the Grenadines, Turks and Caicos Islands (countries in Central America, North America, West Indies)	INSPECT and RELEASE	7CFR 319.37
Country or region other than listed above	GO to Table 3-20	

TABLE 3-20 Faba Bean (*Vicia faba*) from Other Than Central America, North America, and West Indies

If the consignment weighs:	And the consignment is a:	And there are:	Then:	Authority:
1 pound or less	—————→	—————→	INSPECT and RELEASE	7CFR 319.37
More than 1 pound	Commercial lot	No whole seeds in the consignment (seeds are decorticated ¹ , split, or processed)	INSPECT and RELEASE	
		Whole seeds in the consignment	1. REQUIRE an import permit ² 2. REQUIRE T101-c-2 or T101-d-2 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	
	Noncommercial lot	—————→	INSPECT and RELEASE	
	Sample	—————→	INSPECT and RELEASE	

1 Decorticated (outer covering removed) seeds are **not** whole.

2 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. See [Plant and Plant Products Permits](#) for instructions and information about permits.

Reference

Goatgrass (*Aegilops* spp. and its intergeneric crosses)

Goatgrass (*Aegilops* spp. and its intergeneric crosses)

Wheat and its relatives are regulated to prevent the entry of injurious pests and pathogens. Use **Table 3-21** to regulate seeds of *Aegilops* spp. and its intergeneric crosses. See also *Wheat (*Triticum* spp. and its intergeneric crosses)*.



Important

Confirm the origin of the grain as grain is transshipped from many ports. The port of transshipment **does not** necessarily reflect the country in which the grain was harvested.

TABLE 3-21 Goatgrass (*Aegilops* spp. and its intergeneric crosses)

If the seeds are destined to:	And the seeds were harvested in:	And the consignment:	Then:	Authority
Guam	_____	—————→	INSPECT and RELEASE	7CFR 330.105
State or territory other than Guam	Mexico	Is accompanied by a phytosanitary certificate listing the state of origin of the goat grass and an additional declaration stating that “The grain originated in an area where Karnal bunt is not known to occur ¹ , as attested to by either survey results, or by testing for bunted kernels or spores”	INSPECT and RELEASE	7CFR 319.59
	Afghanistan, Algeria, Armenia, Australia, Azerbaijan, Bangladesh, Belarus, Bulgaria, Chile, China, Cyprus, Egypt, Estonia, Falkland Islands, Georgia, Greece, Guatemala, Hungary, India, Iran, Iraq, Israel, Italy, Japan, Kazakhstan, Kyrgyzstan, Latvia, Libya, Lithuania, Moldova, Morocco, Nepal, North Korea, Oman, Pakistan, Portugal, Romania, Russia, Spain, Tajikistan, Tanzania, Tunisia, Turkey, Turkmenistan, South Africa, South Korea, Ukraine, Uzbekistan, or Venezuela	—————→	PROHIBIT ENTRY	
	A country other than listed above	—————→	INSPECT and RELEASE	7CFR 330.105

1 The areas where Karnal bunt is **not** known to occur include the States of Chihuahua, Guanajuato, Jalisco, Michoacan, Queretaro and the Mexicali valley of Baja California and Sonora.

Hemp/Marijuana (*Cannabis sativa*)

Cannabis sativa (hemp, marijuana) seeds are listed as Federal Seed Act seeds. Although **not** regulated specifically by APHIS regulations, *Cannabis sativa* seeds may be banned as a controlled substance by another U.S. authority's regulations. Marijuana seeds (*Cannabis sativa* ssp. *indica*) are the source of a controlled substance. First see [Table 3-22](#) below to apply APHIS restrictions, then see [Controlled Substances](#) on page 2-27.

TABLE 3-22 Hemp, Marijuana (*Cannabis sativa*)

If the shipment:	Then:
Is accompanied by a phytosanitary certificate	<ol style="list-style-type: none"> 1. REQUIRE an agricultural inspection; <i>Cannabis sativa</i> ssp. <i>sativa</i> seeds are Federal Seed Act Agricultural (FSA-A) seeds 2. SEE and FOLLOW Table 2-15 on page 2-27
Lacks a phytosanitary certificate	<ol style="list-style-type: none"> 1. PROHIBIT ENTRY 2. SEE and FOLLOW Table 2-15

Reference

Hibiscus (*Hibiscus* spp.)

Hibiscus (*Hibiscus* spp.)

Hibiscus seed, like those of cotton seed, are regulated to prevent the entry of pink bollworm, *Pectinophora gossypiella*. Use **Table 3-23** to regulate consignments of hibiscus seed.

TABLE 3-23 Hibiscus seed of kenaf, mallow, roselle, and sorrel)

If the consignment is for:	Then:	Authority:
Food or feed	PROHIBIT ENTRY	7CFR 330.106
Analytical, industrial, or other nonfood use	1. REQUIRE T302-d 2. HOLD the consignment 3. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	7CFR 319.37

Kola Nut (cola nut) (*Cola* spp.)

Kola nuts are host to fruit flies (the pod) and various seed boring weevils (the nut). Use [Table 3-24](#) to regulate kola nuts.

TABLE 3-24 Kola Nut (cola nut, *Cola* spp.)

If the consignment is:	Then:	Authority:
Solely the nuts (fresh or dry)	INSPECT and RELEASE	7CFR 330.106
Nuts within its pod (fruit) Nuts with pulp attached	GO to the <i>Fruits and Vegetables Import Manual</i> to regulate the kola nuts as fresh fruits	7CFR 319.56

Reference

Lentils (*Lens spp.*)

Lentils (*Lens spp.*)

Lentils are regulated to prevent the entry of seed weevils (Bruchidae) and injurious rust diseases. Begin at [Table 3-25](#) to regulate lentils.

TABLE 3-25 Lentils (*Lens spp.*)

If harvested in:	Then:	Authority:
Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, British Virgin Islands, Canada, Cayman Islands, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Grenada, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Nicaragua, Panama, Saint Barthélemy, St. Eustatius, St. Kitts and Nevis, St. Lucia, St. Martin, St. Vincent and the Grenadines, Turks and Caicos Islands (countries in Central America, North America, West Indies)	INSPECT and RELEASE	7CFR 319.37
Country or region other than listed above	GO to Table 3-26	

TABLE 3-26 Lentils (*Lens spp.*) from Other Than Canada, Central America, Mexico, North America, West Indies

If the consignment weighs:	And is:	And there are:	Then:	Authority:
1 pound or less	_____	_____ →	INSPECT and RELEASE	7CFR 319.37
More than 1 pound	Commercial	No whole seeds (seeds are decorticated ¹ , split, or processed)	INSPECT and RELEASE	
		Whole seeds	1. HOLD the consignment 2. REQUIRE T101-e-1 3. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	
	Noncommercial	_____ →	INSPECT and RELEASE	
	Sample	_____ →	INSPECT and RELEASE	

1 Decorticated (outer covering removed) lentils are **not** whole.

Macadamia Nut (*Macadamia* spp.)

Macadamia nuts are regulated to prevent the entry of general feeders, specifically Lepidoptera. Use [Table 3-27](#) to regulate macadamia nuts.

TABLE 3-27 Macadamia Nut (*Macadamia* spp.)

If the nuts have:	And the nuts were harvested in:	Then:	Authority:
Husks or shells	St. Eustatius	1. REQUIRE an import permit ¹ under 7CFR 319.56 2. INSPECT and RELEASE	7CFR 319.56
	Other than St. Eustatius	PROHIBIT ENTRY	
No husks and no shells	—————▶	INSPECT and RELEASE	7CFR 330.105

¹ If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Reference

Mahoberberis (Mahoberberis spp.)

Mahoberberis (*Mahoberberis* spp.)

Mahoberberis seeds are regulated to prevent the entry of new races of black stem rust, *Puccinia graminis* f. spp. *tritici*. Therefore, PROHIBIT ENTRY to mahoberberis seeds. Your authority is 7 CFR 319.37.

TABLE 3-28 Mahoberberis (*Mahoberberis* spp.)

If the seeds are:	Then:	Authority
Mahoberberis	PROHIBIT ENTRY	7 CFR 319.37

Mexican Jumping Beans (seeds of *Sebastiania pavoniana* or *Sebastiania bilocularis* of the family Euphorbiaceae)

Jumping beans are tan to brown seeds in which the egg of a small moth (*Cydia deshaisiana*) has been laid. It is the moth's feeding larva moving inside the seed which makes the beans jump. Use [Table 3-29](#) that follows to determine admissibility.

TABLE 3-29 Mexican Jumping Beans

If your inspection reveals:	Then:	Authority:
No external pests (hitchhikers) or disease	RELEASE ¹	7CFR 330
External pests (hitchhikers) or disease	<ol style="list-style-type: none"> 1. HOLD the consignment 2. CONTACT APHIS Identifier through proper channels 	

¹ The jumping bean moth larva consumes **only** *Sebastiania* seeds and is therefore of **no** economic importance as an agricultural pest. However, inform the importer or the importer's agent that the State of Hawaii lists *Cydia deshaisiana* as a prohibited species.



FIGURE 3-3 Mexican Jumping Bean 10X

Reference

Millets and Pseudo-Millets (various genera)

Millets and Pseudo-Millets (various genera)

Millets and pseudo millets (various genera) include various cereal and forage grasses which bear an abundance of small roundish grains. Millets may be close relatives of corn are regulated to prevent the entry of exotic cereal diseases. Continue to [Table 3-30](#) on page 3-33.

TABLE 3-30 Millets and Pseudo-Millets

If the grain is:	And:	And:	And:	Then:	Authority	
Alkali treated, malted, parboiled, or pearled)			→	INSPECT and RELEASE		
Not processed as described in the cell above	Is a corn relative: <i>Coix</i> spp. ¹	Milled (hulled) such that the husk (fibrous outer layers of grain) is removed	28 or fewer unhulled seeds per quart of milled millet	INSPECT and RELEASE		
			29 or more unhulled seeds per quart of milled millet	GO to Table 3-9 on page 3-14		
		Unmilled	→	SEE Table 3-9		
	<i>Echinochloa</i> spp. <i>Eleusine</i> spp. <i>Panicum</i> spp.		→	GO to Table 3-31		
		<i>Paspalum scrobiculatum</i> (bastard millet, ditch millet, kodo millet)	One or more intact embryos are present	Is accompanied by a Permit to Move Noxious Weeds (PPQ Form 526)	RELEASE or CONTROL as specified on the permit	7CFR 360
				Lacks a permit	PROHIBIT ENTRY ²	
		No intact embryos are present	→	INSPECT and RELEASE	7CFR 330.105	
	<i>Setaria</i> spp..		→	GO to Table 3-31		
	<i>Urochloa panicoides</i> (liverseed grass)	One or more intact embryos are present		Is accompanied by a Permit to Move Noxious Weeds (PPQ Form 526)	RELEASE or CONTROL as specified on the permit	
				Lacks a permit	PROHIBIT ENTRY ²	
No intact embryos are present		→	INSPECT and RELEASE			
Is a millet other than listed in the cells above		→	INSPECT and RELEASE			
Is a pseudo millet ³		→	INSPECT and RELEASE			

- 1 Adlay millet for example.
- 2 Refer all requests for permits to Permit Services. Importations may be allowed under a valid 588 permit (either Departmental Permit or Controlled Import Permit).
- 3 Examples of pseudo millets (*Amaranthus caudatus*, *Amaranthus cruentus*, *Amaranthus hypochondriacus*, *Chenopodium* spp., *Fagopyrum esculentum*, and *Fagopyrum tataricum*).

Reference

Millets and Pseudo-Millets (various genera)

TABLE 3-31 Millets of *Echinochloa* spp., *Eleusine* spp., *Panicum* spp., and *Setaria* spp.

If the millets were harvested in:	And the genus and species is:	And the importer:	Then:	Authority
Africa (all countries) ¹ , Armenia, Australia, Azerbaijan, Bangladesh, Belarus, Bhutan, Brazil, Brunei, Bulgaria, Cambodia, China, Estonia, Georgia, Hong Kong, India, Indonesia, Japan and adjacent islands, Kazakhstan, Kyrgyzstan, Laos, Latvia, Lithuania, Malaysia, Moldova, Mongolia, Myanmar, Nepal, New Zealand, North Korea, Oceania, Pakistan, Papua New Guinea, Philippines, Russia, Singapore, Sri Lanka, South Korea, Tajikistan, Taiwan (Province of China), Thailand, Timor-Leste, Turkmenistan, Ukraine, Uzbekistan, or Vietnam	→		1. PROHIBIT ENTRY 2. REFER all requests for import permits ePermits or fax to 1-877-770-5990; importations may allowed only under a under permit for specific purposes	7CFR 319.24
Country or region other than listed above	<i>Setaria pumila</i> ssp. <i>pallidifusca</i>	Has a validated import permit, PPQ Form 526 ² Lacks a validated permit	RELEASE or CONTROL as specified on the import permit 1. PROHIBIT ENTRY 2. REFER all requests for import permits to ePermits or fax to 1-877-770-5990; importations may be allowed only under permit for specific purposes	7CFR 360
	Genus and species other than listed above	Is accompanied by a validated import permit Lacks a validated importer permit	INSPECT and RELEASE 1. HOLD the consignment 2. DIRECT the importer to apply for a permit	

1 Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroun, Cape Verde, Central African Republic, Chad, Comoros, Congo, Republic of, Congo, Democratic Republic of The, Cote d'Ivoire, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe

2 An ePermit PPQ Form 526, *Application to Move Biological Control Agents, Live Plant Pests, or Noxious Weeds* or PPQ Form 526, *Application to Move Live Plant Pests and Noxious Weeds*.

TABLE 3-32 Millets of *Pennisetum* spp.

If harvested in:	And the species is:	And:	Then:	Authorit y
Africa (all countries) ¹ , Armenia, Azerbaijan, Bangladesh, Belarus, Bhutan, Brazil, Brunei, Bulgaria, Cambodia, China, Estonia, Georgia, Hong Kong, India, Indonesia, Japan and adjacent islands, Kazakhstan, Kyrgyzstan, Laos, Latvia, Lithuania, Malaysia, Moldova, Mongolia, Myanmar, Nepal, New Zealand, North Korea, Oceania, Pakistan, Papua New Guinea, Philippines, Russia, Singapore, South Korea, Sri Lanka, Tajikstan, Taiwan (Province of China), Thailand, Timor-Leste, Turkmenistan, Ukraine, Uzbekistan, or Vietnam			1. PROHIBIT ENTRY 2. REFER all requests for import permits to ePermits or fax to 1-877-770-5990; importations may be allowed under a valid 588 permit (either Departmental Permit or Controlled Import Permit)	7CFR 319.24
		→		
Australia	<i>Pennisetum clandestinum</i> <i>P. macrorum</i> <i>P. pedicellatum</i> <i>P. polystachion</i>	Is accompanied by a validated permit PPQ Form 526 ²	RELEASE or CONTROL as specified on the import permit	7CFR 360
		Lacks a validated permit	1. PROHIBIT ENTRY 2. REFER all requests for import permits to ePermits or fax to 1-877-770-5990; importations may be allowed only under a valid 588 permit (either Departmental Permit or Controlled Import Permit)	
	Species of <i>Pennisetum</i> other than listed above	Is accompanied by a validated permit PPQ Form 526 ²	INSPECT and RELEASE	7CFR 319.41
		Lacks a validated import permit	1. HOLD the consignment 2. DIRECT the importer to apply for a permit	

Reference

Millet and Pseudo-Millet (various genera)

TABLE 3-32 Millets of *Pennisetum* spp. (continued)

If harvested in:	And the species is:	And:	Then:	Authority
Country or region other than listed above	<i>Pennisetum clandestinum</i>	Has a validated PPQ Form 526 ²	RELEASE or CONTROL as specified on the import permit	7CFR 360
	<i>P. macrorum</i>	Lacks a validated permit	1. PROHIBIT ENTRY 2. REFER all requests for import permits to ePermits ; importations may be allowed only under a valid 588 permit (either Department Permit or Controlled Import Permit)	
	<i>P. pedicellatum</i>	Lacks a validated permit		
	<i>P. polystachion</i>	Lacks a validated permit		
	Species of <i>Pennisetum</i> other than listed above	Is accompanied by a validated PPQ Form 526	RELEASE or CONTROL as specified on the import permit	7CFR 319.41
		Lacks a validated permit	1. HOLD the consignment 2. DIRECT the importer to apply for a permit	

1 Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroun, Cape Verde, Central African Republic, Chad, Comoros, Congo, Republic of, Congo, Democratic Republic of The, Cote d'Ivoire, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe.

2 An ePermit PPQ Form 526, Application to Move Biological Control Agents, Live Plant Pests, or Noxious Weeds or PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds.

Niger (*Guizotia abyssinica*)

Niger seed, used in the feeding of wild birds, is regulated to prevent the entry of noxious weeds, in particular *Cuscuta* spp. (dodder). Use [Table 3-33](#) to regulate niger seeds.

TABLE 3-33 Niger (*Guizotia abyssinica*)

If the niger seed is arriving from:	And from:	And:	Then:	Authority:
Canada	Armstrong Milling Co. Ontario, Canada	→	RELEASE	7CFR 360
	Baden Feed and Supply Baden, Ontario, Canada			
	Heritage Acres Bird and Pet Nutrition, Arkona, Ontario, Canada			
	Sun Country Seeds, Langham, SK, Canada			
	Company other than one listed in the cell above	Is U.S. returned seed in its original, unopened packaging from a USDA approved heat treatment facility (see Table 3-35)		
		Is not as above	GO to Table 3-34	
Other than Canada		→		



Reference

Niger (*Guizotia abyssinica*)

TABLE 3-34 Niger (*Guizotia abyssinica*) from Other than Canada

If the seeds are arriving from:	And the consignment is from:	And:	And the port of arrival:	And the consignment is destined to:	Then:	Authority	
Ethiopia India	IMCO Agro Industries PCL (Ethiopia) (see Table 3-35) M/s A.S.A. Agrotech (India) (see Table 3-35)	Is accompanied by a phytosanitary certificate stating that the seeds were heated to 248 °F for 15 minutes; and a certificate of sterilization with the bill of lading	→		<ol style="list-style-type: none"> 1. VERIFY that the seal numbers match the documents 2. SAMPLE the first and approximately every 25th containers following the procedures for sampling seeds ¹ 3. If federal noxious weeds are present, then send to the Seed Examination Facility for viability testing ¹ 4. RELEASE 	7CFR 360	
		Lacks a phytosanitary certificate with the statement that the seeds were heated to 248 °F for 15 minutes	→		PROHIBIT ENTRY		
		Lacks the certificate of sterilization with the bill of lading	→		PROHIBIT ENTRY		
	Other than a facility listed in the cell above	→	Is Maryland or New Jersey		Facility currently approved to treat niger seeds with dry heat (see Table 3-35)		<ol style="list-style-type: none"> 1. AUTHORIZE the seeds to move under bond to the facility 2. REQUIRE T412-a 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements
					Other than a facility currently approved to treat niger seeds with dry heat		PROHIBIT ENTRY
			Is other than Maryland or New Jersey	→			PROHIBIT ENTRY

TABLE 3-34 Niger (*Guizotia abyssinica*) from Other than Canada (continued)

If the seeds are arriving from:	And the consignment is from:	And:	And the port of arrival:	And the consignment is destined to:	Then:	Authority
Other than Ethiopia, India			Is Maryland or New Jersey	Facility currently approved to treat niger seeds with dry heat (see Table 3-35)	1. AUTHORIZE the seeds to move under bond to the facility 2. REQUIRE T412-a 3. HOLD the consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	7CFR 360
				Other than a facility currently approved to treat niger seeds with dry heat	PROHIBIT ENTRY	
			Is other than Maryland or New Jersey		PROHIBIT ENTRY	

- 1 Take as random a sample as possible but **do not** de-van the container. If contaminants are present, then remove and send them for identification through proper channels to a PPQ botanist at the nearest PPQ Plant Inspection Station. If Federal noxious weeds are present, then send the seeds for viability testing to the attention of Rodney Young or David Bitzel at USDA-APHIS-PPQ, Bldg. 308, Room 319, BARC East, Beltsville, MD 20705. **Do not** hold the consignment while awaiting the results of viability testing.

Reference

Niger (*Guizotia abyssinica*)

USDA Approved Heat Treatment Facilities for Niger Seed

Niger seed may enter the U.S. **only** if treated at one of the authorized facilities listed in **Table 3-35**.


TABLE 3-35 USDA Approved Heat Treatment Facilities for Niger Seed

Country	Authorized Facility	Address	Certification Ends
Ethiopia	IMCO Agro Industries PLC	A/Kality Kebele 10 House No. Addis Ababa, Ethiopia	12/31/2015
India	M/s A.S.A. Agrotech	<i>Facility:</i> Mahalgoan Taluka Kamptee, 441202 India <i>Office:</i> 81-A, Mitra Kunj 2nd Floor Central Avenue Gandhibagh, Nagpur 440018 India	04/30/2015
USA	ETO ETO Sterilization	2500 Brunswick Avenue Linden, NJ 07036	06/01/2015
USA	I.S.I. Import Sterilization, Inc.	3701 Duncanwood Lane, Suite B Baltimore, MD 21213	05/13/2015

Oats (*Avena* spp.)

Use [Table 3-36](#) to regulate oats.

TABLE 3-36 Oats (*Avena* spp.)

If the oats are:	And the importer:	Then:	Authority :
Animated oats (<i>Avena ludoviciana</i>) Wild oats (<i>A. sterilis</i>)	Has a validated PPQ Form 526, Application to Move Plant Pests and Noxious Weeds	RELEASE or CONTROL as specified on the import permit	7CFR 360
	Lacks a validated PPQ Form 526, Application to Move Plant Pests and Noxious Weeds	PROHIBIT ENTRY	
Neither animated nor wild oats		INSPECT and RELEASE	

Reference

Okra (*Abelmoschus* spp.)

Okra (*Abelmoschus* spp.)

Okra seeds, like cottons, are regulated to prevent the entry of pink bollworm, *Pectinophora gossypiella*. Use [Table 3-37](#) to regulate okra seeds.

TABLE 3-37 Okra (*Abelmoschus* spp.)

If the seeds are intended for:	Then:	Authority:
Food or feed	1. PROHIBIT ENTRY 2. NOTE that okra seeds may be restricted by the Food and Drug Administration	7CFR 319.37
Analytical, industrial, or other nonfood use	1. REQUIRE an import permit ¹ under 7CFR 319.37 2. REQUIRE T203-c-6 3. HOLD consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	

1 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Peanut and Related Groundnuts, Raw and Unroasted (*Arachis* spp.)

Raw, unroasted peanuts are prohibited from specified countries to prevent the entry of the peanut stripe virus and peanut clump virus. Peanut stripe virus occurs in China, India, Japan, Philippines, Thailand, and Timor-Leste. Peanut clump virus occurs in Burkina Faso (formerly Upper Volta), Côte d'Ivoire, India, and Senegal. Use [Table 3-38](#) to regulate raw, unroasted peanuts and related groundnuts.

TABLE 3-38 Peanut and Related Groundnuts, Raw and Unroasted (*Arachis* spp.)

If the peanuts were harvested in:	Then:	Authority:
Burkina Faso China Côte d'Ivoire India Indonesia Japan Philippines Senegal Thailand Timor-Leste	PROHIBIT ENTRY	7CFR 319.37
Country other than listed above	INSPECT and RELEASE	7CFR 330.105

Reference

Poppy, Opium (*Papaver somniferum*)

Poppy, Opium (*Papaver somniferum*)

The importation of poppy seeds (*Papaver somniferum*) as a spice, cooking or baking ingredient, in bird feed, or as a cosmetic is legitimate. The slate blue poppy seeds we use as a spice actually comes from the plant that produces opium. Although **not** regulated as a controlled substance by USDA-APHIS regulations, poppy seeds may be prohibited entry as a controlled substance by another U.S. authority’s regulations. First see [Table 3-39](#) below to regulate and apply APHIS restrictions; then see [General Inspection Procedures for Clearing Seeds](#) on page 2-6.

TABLE 3-39 Poppy, Opium (*Papaver somniferum*)

If the consignment:	And the seed is in:	And:	Then:
Is commercial ¹	Bulk	—————→	INSPECT and RELEASE
	Bags, bottles, or other similar individual use containers	Is labeled for baking, bird feed, cooking, facial cleansing, or other such routine use	INSPECT and RELEASE
		Is labeled for planting	SEE the <i>Seeds for Planting</i> CBP job aid and the <i>Plants for Planting Manual</i>
		Is not labeled	<ol style="list-style-type: none"> SEE and FOLLOW Table 2-15 on page 2-27 to REFER the shipment to CBP for enforcement and final disposition CBP enforcement officials will determine if the plant material is the source of a controlled substance
	Other than bulk or bags, bottles, or other similar individual use containers	—————→	<ol style="list-style-type: none"> SEE and FOLLOW Table 2-15 to REFER the shipment to CBP for enforcement and final disposition CBP enforcement officials will determine if the plant material is the source of a controlled substance
Is not commercial (i.e., is in baggage or is in the mail)	Bags, bottles, or other similar individual use containers	—————→	INSPECT and RELEASE
	Other than bags, bottles, or other similar individual use containers	—————→	<ol style="list-style-type: none"> INSPECT and RELEASE SEE and FOLLOW Table 2-15 to REFER the shipment to CBP for enforcement and final disposition CBP enforcement officials will determine if the plant material is the source of a controlled substance

1 As evidenced by moving from a commercial supplier to a spice manufacturer, bakery, pet food manufacturer, or market in the United States.


Prunus spp. (almond, apricot, cherry, plum, and other stone fruits)

The seeds of stone fruits are regulated because of a wide diversity of diseases, many of them viruses. Begin at [Table 3-40](#) to regulate seeds of stone fruits.

TABLE 3-40 Prunus spp. (almond, apricot, cherry, plum, and other stone fruits)

If the seeds are:	Then:
<i>Prunus avium</i> <i>P. cerasus</i> <i>P. laurocerasus</i> <i>P. mahaleb</i> <i>P. sargentii</i> <i>P. serotina</i> <i>P. serrula</i> <i>P. serrulata</i> <i>P. subhirtella</i> <i>P. virginiana</i> <i>P. yedoensis</i> <i>Prunus effusa</i>	GO to Table 3-41
<i>Prunus</i> spp. other than listed above	GO to Table 3-42

TABLE 3-41 Prunus avium, P. cerasus, P. laurocerasus, P. mahaleb, P. sargentii, P. serotina, P. serrula, P. serrulata, P. subhirtella, P. virginiana, P. yedoensis, and Prunus x effusa

If the seeds were harvested in:	And destined to:	Then:	Authority:
Canada	Colorado Michigan New York Washington	1. REQUIRE an import permit ¹ under 7CFR 319.37 to notify the State 2. INSPECT and RELEASE	7CFR 319.37
	State or territory other than listed above	INSPECT and RELEASE	
Country other than Canada		INSPECT and RELEASE	

- ¹ If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Reference

Prunus spp. (almond, apricot, cherry, plum, and other stone fruits)

TABLE 3-42 Prunus Species Other Than those Covered in Table 3-41

If the seeds were harvested in:	And the importer:	And the seeds are destined to:	Then:	Authority:
Canada	Has a phytosanitary certificate that states that the: 1. Seeds were grown in the country listed on the phytosanitary certificate 2. Plum pox virus does not occur in that country	Colorado Michigan New York Washington	1. REQUIRE an import permit ¹ under 7CFR 319.37 to notify the State 2. INSPECT and RELEASE	7CFR 319.37
		State other than listed above	INSPECT and RELEASE	
		—————→	PROHIBIT ENTRY	
Europe ²	Has a phytosanitary certificate that states: 1. Seeds were produced in a nursery free from plum pox virus 2. Seeds were free of the plum pox virus based on test of parent stock ³	—————→	INSPECT and RELEASE	
		—————→	PROHIBIT ENTRY	
Country or region other than listed above	Has a phytosanitary certificate that states: 1. Seeds were grown in the country listed on the phytosanitary certificate 2. Plum pox virus does not occur in that country	—————→	INSPECT and RELEASE	
		—————→	PROHIBIT ENTRY	

- 1 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit (see [Plant and Plant Products Permits](#)).
- 2 The recognized countries of Europe, **not** dependencies and/or territories are as follows: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Monaco, Netherlands, Norway, Poland, Portugal, Romania, San Marino, Serbia and Montenegro (Yugoslavia), Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Vatican City
- 3 Currently only Belgium, France, Federal Republic of Germany, The Netherlands, and Great Britain can make such certification.

Ribes spp. (currants, gooseberry)

Seeds of *Ribes* spp. are regulated to prevent the further spread of white pine blister rust. Use [Table 3-43](#) to regulate seeds of *Ribes* spp.

TABLE 3-43 *Ribes* spp. (currants, gooseberry)

If the consignment is destined to:	Then:	Authority:
Massachusetts New York West Virginia Wisconsin	1. REQUIRE an import permit ¹ under 7CFR 319.37 to notify the State 2. INSPECT and RELEASE	7CFR 319.37
State other than listed above	INSPECT and RELEASE	

¹ If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Reference

Rice (*Oryza* spp.)

Rice (*Oryza* spp.)

Rice is regulated to prevent the entry of noxious weeds, and fungal and bacterial diseases of rice including blight (*Oospora oryzaetorum*), glume blotch (*Melanomma glumarum*), bacterial blight (*Xanthomonas campestris* pv. *oryzae*), and leaf streak (*Xanthomonas campestris* pv. *oryzicola*).

Begin at **Table 3-44** to regulate rice. If the rice is wild rice, *Zizania* spp., then see **Table 3-56** on page 3-61.

TABLE 3-44 Rice (*Oryza* spp.)

And is:	And is:	And:	Then:	Authority:
Threshed, unmilled rice in its hull	<i>Oryza longistaminata</i> (wild rice, red rice, long-stamen rice)	Is accompanied by a valid import permit (<i>PPQ Form 526, Application and Permit to Move Live Plant Pests or Noxious Weeds</i>)	RELEASE or CONTROL as specified on the import permit	7CFR 360
	<i>Oryza punctata</i> (wild rice, red rice)		PROHIBIT ENTRY	
	<i>Oryza rufipogon</i> (red rice, brown beard rice, wild rice, wild red rice)	Lacks a valid permit	PROHIBIT ENTRY	
	which are Federal Noxious Weeds			
	Other than a rice species listed in the cell above	Is accompanied by a valid 588 permit either Departmental Permit or Controlled Import Permit	RELEASE or CONTROL as specified on the import permit	7CFR 319.55
			Lacks a valid permit	
Husked, milled (hulls are detached), polished, or otherwise processed beyond harvesting			SEE "Rice" (under Grains) in <i>Miscellaneous and Processed Products Manual</i>	

Safflower (*Carthamus tinctorius*)

Safflower (*Carthamus tinctorius*) seeds are regulated to prevent the entry of Khaphra beetle (*Trogoderma granarium*). See [Table 3-45](#) to regulate safflower.

TABLE 3-45 Safflower (*Carthamus tinctorius*)

If the country of origin is or the shipment transited through:	And the shipment:	And the shipment:	Then:	Authority
Afghanistan, Algeria, Bangladesh, Burkina Faso (Upper Volta), Cyprus, Egypt, India, Iran, Iraq, Israel, Kuwait, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Oman, Pakistan, Palestinian Authority (West Bank), Qatar, Republic of Sudan, Saudi Arabia, Senegal, South Sudan, Sri Lanka, Syria, Tunisia, Turkey, United Arab Emirates	Is commercial	Is accompanied by either a phytosanitary certificate or a re-export certificate with an additional declaration stating, "The shipment was inspected and found free of Khaphra beetle (<i>Trogoderma granarium</i>)."	INSPECT and RELEASE	Federal Order effective January 17, 2012
		Lacks the certificate or the declaration	PROHIBIT ENTRY	
Other than the countries listed in the cells above	Is non-commercial	—————→	PROHIBIT ENTRY	
		—————→	INSPECT and RELEASE	

Screenings

Screenings are the chaff, immature seeds, inert matter, sterile florets, weed seeds, and other material removed in any way from any seeds in any kind of cleaning or processing; and which contain less than 25 percent of live agricultural or vegetable seeds. Screenings are imported for processing and used chiefly as food for livestock.

To determine which seeds are classified as agricultural and which seeds are classified as vegetable, see *A List of Agricultural and Vegetable Seed Regulated* by the Federal Seed Act.

Screenings are regulated to prevent the entry of noxious weeds. To regulate screenings from Canada, see [Table 3-46](#) on page 3-51.

To regulate screenings from other than Canada, see [Table 3-47](#) on page 3-52.

If you have a sample of screenings that you need to send for identification, then see [Special Procedures for Packaging and Mailing Samples of Screenings](#) on page 2-25.

TABLE 3-46 Screenings from Canada

If the screenings are from:	And the screenings are:	And the shipment:	Then:	Authority
Canada	Derived from corn	Is accompanied by a Canadian phytosanitary certificate with the declaration "screening for processing, not for seeding"; and evidence that the importer holds a USDA-issued permit or the USDA permit number is written on the Canadian phytosanitary certificate	INSPECT and ALLOW movement to the processing establishment ¹	7CFR 361
		Lacks the phytosanitary certificate, declaration, and/or evidence that the importer holds a USDA-issued permit	PROHIBIT ENTRY	
	Derived from barley, buckwheat, cowpea, field bean, field pea, flax, millet (including proso), oats, rye, sorghum (including broomcorn), soybean, or wheat	Is accompanied by a declaration "screening for processing or manufacture, not for seeding"	INSPECT and ALLOW movement to the processing establishment ¹	
		Lacks the declaration above	PROHIBIT ENTRY	
	Derived from other than the crops listed above	Is moving to an approved establishment for processing (see Establishments Approved for Processing Screenings, Figure 3-48)	1. ALLOW movement to the approved processing establishment 2. SEND a copy of the invoice and entry summary to the USDA-APHIS-PPQ Seed Examination Facility ²	
		Is not moving to an approved establishment	PROHIBIT ENTRY	
Pelletized	—————→		SEE the <i>Miscellaneous and Processed Products Manual</i>	
Other than Canada	—————→		GO to Table 3-47	

- 1 Processing screenings means the establishment will be converting, preparing, or treating the plant or plant part by subjecting to some physical or chemical procedure beyond harvesting.
- 2 USDA-APHIS-PPQ Seed Examination Facility, Room 319, Building 308 BARC-East, Beltsville, MD 20705.

TABLE 3-47 Screenings from Other Than Canada

If the screenings are:	And the shipment:	Then:	Authority	
Derived from Barley Buckwheat Cowpea Field bean Field pea Flax Oats Rye Soybean	Is accompanied by a declaration "screening for processing or manufacture, not for seeding"	INSPECT and ALLOW movement to the processing establishment ¹	7CFR 361	
	Lacks the declaration above	PROHIBIT ENTRY		
Derived from corn, millet (including proso), or sorghum (including broomcorn)	—————▶	GO to Table 3-9		
Derived from wheat	—————▶	GO to Table 3-55		
Derived from other than the crops listed above	—————▶	PROHIBIT ENTRY		
Pelletized	—————▶	SEE the <i>Miscellaneous and Processed Products Manual</i>		

1 Processing screenings means the establishment will be converting, preparing, or treating the plant or plant part by subjecting to some physical or chemical procedure beyond harvesting.

Establishments Approved for Processing Screenings

The establishments listed in [Table 3-48](#) are approved for processing screenings from Canada.



Important

The list of establishments approved for processing screenings from Canada in [Table 3-48](#) changes frequently. Contact the Seed Examination Facility in Beltsville, Maryland, botanists Rodney Young (301-313-9333) or David Bitzel (301-313-9332), for possible updates to the list.

TABLE 3-48 Establishments Approved for Processing Screenings from Canada

Approved Establishments for Processing Screenings	
ADM Northern Sun 5525 136th Avenue, SE Enderlin, ND 58027	NW Feed Manufacturing 245 5th Avenue, South Twin Falls, ID 83301
ADM Processing 1388 Highway 97 Velva, ND 58790	R & G Quality Feed PO Box 160 Malta, MT 59538
Agra Basic Feed 100 S. Broadway Belgrade, MT 59714	Rivards Quality Seed, Inc. Mr. Ken Schuster, General Manager PO Box 303 Argyle, MN 56713
CHS, Inc. 506 N. First Street Fairfield, WA 99012	Saco Dehy, Inc. Mr. Bobby Menge PO Box 268 Saco, MT 59261
Maine Organic Milling, Inc. 81 Goldwaith Road Auburn, ME 04210	Seeds, Inc. PO Box 866 Tekoa, WA 99033 Phone: 509/291-5411
Mid Valley Milling, Inc. PO Box 49 Prosser, WA 99350 Phone: 509/786-1300	

Reference

Solanum spp. (potatoes, tropical soda apple, turkey berry, and wetland nightshade)

Solanum spp. (potatoes, tropical soda apple, turkey berry, and wetland nightshade)

Solanum spp. includes potatoes, tropical soda apple, turkey berry, and wetland nightshade. Seeds of *Solanum* spp. are regulated to prevent the entry of a variety of potato diseases. Use [Table 3-49](#) to regulate seeds of *Solanum* spp., but **not** seed potatoes.

TABLE 3-49 *Solanum* spp. (potatoes, tropical soda apple, turkey berry, and wetland nightshade)

If the species is one that:	And the seeds were collected in:	And the genus and species is:	And the consignment:	Then:	Authority:
Does not bear tubers (a species other than potatoes)	→	<i>Solanum tampicense</i> (wetland nightshade)	Is accompanied by a validated <i>PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds</i>	RELEASE or CONTROL as specified on the import permit	7CFR 360
		<i>S. torvum</i> (turkey berry)	Lacks a validated permit	PROHIBIT ENTRY	
		<i>S. viarum</i> (tropical soda apple)			
Does bear tubers (potatoes)	→	One not listed above	→	INSPECT and RELEASE	7CFR 319.37
		Canada	→	INSPECT and RELEASE	
		Chile	Is accompanied by a phytosanitary certificate issued by the Servicio Agrícola y Ganadero of Chile stating that the conditions of 7CFR 319.37-5(o)[1 through 3] have been met	1. REQUIRE an import permit ¹ under 7CFR 319.37 to notify the State 2. INSPECT and RELEASE	
	Lacks such certification		PROHIBIT ENTRY		
	New Zealand	→	1. REQUIRE an import permit ¹ 2. INSPECT and RELEASE		
Country other than listed above	→	PROHIBIT ENTRY			

1 If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Soybeans (*Glycine max*)

Soybeans (*Glycine max*) seeds are regulated to prevent the entry of Khapra beetle (*Trogoderma granarium*). To regulate soybeans, see [Table 3-50](#),

TABLE 3-50 Soybeans (*Glycine max*)

If the country of origin is or the shipment transited through:	And the shipment:	And the shipment:	Then:	Authority
Afghanistan, Algeria, Bangladesh, Burkina Faso (Upper Volta), Cyprus, Egypt, India, Iran, Iraq, Israel, Kuwait, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Oman, Pakistan, Palestinian Authority (West Bank), Qatar, Republic of Sudan, Saudi Arabia, Senegal, South Sudan, Sri Lanka, Syria, Tunisia, Turkey, United Arab Emirates	Is commercial	Is accompanied by either a phytosanitary certificate or a re-export certificate with an additional declaration stating, "The shipment was inspected and found free of Khapra beetle (<i>Trogoderma granarium</i>)."	INSPECT and RELEASE	Federal Order effective January 17, 2012
		Lacks the certificate or the declaration	PROHIBIT ENTRY	
	Is non-commercial	—————→	PROHIBIT ENTRY	
Other than the countries listed in the cells above		—————→	INSPECT and RELEASE	

Reference

Sprangletop (*Leptochloa* spp.)

Sprangletop (*Leptochloa* spp.)

Prohibit entry to sprangletop seeds. Your authority is 7 CFR 319.37.

TABLE 3-51 Sprangletop (*Leptochloa* spp.)

If the seeds are:	Then:	Authority
Sprangletop	PROHIBIT ENTRY	7 CFR 319.37

Sugarcane (*Saccharum* spp.)

Sugarcane seeds are regulated to prevent the introduction of certain injurious insects and fungi that attack sugarcane. Use [Table 3-52](#) to regulate sugarcane seeds.

TABLE 3-52 Sugarcane (*Saccharum* spp.)

If the species is:	And the consignment:	Then:	Authority:
<i>Saccharum spontaneum</i> (wild sugarcane)	Is accompanied by a validated PPQ Form 526 ¹	RELEASE or CONTROL as specified on the import permit	7CFR 360
	Lacks a validated permit	PROHIBIT ENTRY	
One of the genus <i>Saccharum</i> other than <i>spontaneum</i>	Is destined to Guam or Northern Mariana Islands	INSPECT and RELEASE	7CFR 330.105
	Is destined a State or territory other than listed above	PROHIBIT ENTRY	7CFR 319.41 and 7CFR 319.15

1 PPQ Form 526, Application to Move Live Plant Pests and Noxious Weeds.

Reference

Sweet Pea and Other Peas of *Lathyrus* spp.

Sweet Pea and Other Peas of *Lathyrus* spp.

Lathyrus spp. includes the following peas: caley, chickling, everlasting, flat, grass, perennial, rough, sweet, tangier, and yellow. *Lathyrus* spp. are regulated to prevent the entry of general feeders, especially bruchids. Use **Table 3-53** to regulate peas of *Lathyrus* spp.

TABLE 3-53 Sweet Pea and Other Peas in the Genus *Lathyrus* spp.

If the peas are harvested in:	And the peas are intended for:	Then:	Authority:
Belize, Canada, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, or Panama	→	INSPECT and RELEASE	7CFR 319.37
Country or region other than listed above	Food or feed	1. REQUIRE an import permit ¹ under 7CFR 319.37 2. REQUIRE T101-e-1 3. HOLD consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	
	Analytical, industrial, or other non-food use	1. REQUIRE an import permit ¹ under 7 CFR 319.37 2. REQUIRE T203-a-2 3. HOLD consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements	

¹ If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Vetch (*Vicia* spp. Other Than *V. faba*)

Vetch seeds are regulated to prevent the entry of general feeders, especially bruchids.

Use [Table 3-54](#) to regulate vetch seeds **other than** *Vicia faba*. If the seeds are *V. faba* (faba beans), then see [Faba Bean, Horsebean \(*Vicia faba*\)](#) on page 3-23 and [Table 3-19](#).

TABLE 3-54 Vetch (*Vicia* spp. Other Than *V. faba*)

If harvested in:	Then:	Authority:
Belize, Canada, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, or Panama	INSPECT and RELEASE	7CFR 319.37
Country or region other than listed above	<ol style="list-style-type: none"> 1. REQUIRE an import permit¹ under 7CFR 319.37 2. REQUIRE T101-e-1 3. HOLD consignment 4. NOTIFY local PPQ that the shipment must be treated in order to meet entry requirements 	

¹ If the importer **lacks** an import permit and the consignment is noncommercial that can be inspected 100 percent, then the permit requirements may be waived. Otherwise, HOLD the consignment and direct the importer to apply for a permit. Refer to [Plant and Plant Products Permits](#) for instructions and information about permits.

Reference

Wheat (*Triticum* spp. and its intergeneric crosses)

Wheat (*Triticum* spp. and its intergeneric crosses)

Wheat (*Triticum* and its intergeneric crosses) and its relatives are regulated to prevent the entry of injurious pests and pathogens. Use **Table 3-55** to regulate seeds of *Triticum* spp. (wheat) and its intergeneric crosses that are **not** milled and are **not** processed products. See also *Goatgrass (Aegilops spp. and its intergeneric crosses)*.



Confirm the origin of the grain as grain is transshipped from many ports. The port of transshipment **does not** necessarily reflect the country in which the grain was harvested.

TABLE 3-55 Wheat (*Triticum* spp. and its intergeneric crosses) Not Milled and Not Processed Products

If the seeds are destined to:	And the seeds were harvested in:	And the consignment:	Then:	Authority
Guam		→	INSPECT and RELEASE	
State or territory other than Guam	Mexico	Is accompanied by a phytosanitary certificate listing the state of origin of the wheat and an additional declaration stating that “The grain originated in an area where Karnal bunt is not known to occur ¹ , as attested to by either survey results, or by testing for bunted kernels or spores”	INSPECT and RELEASE	
		Lacks the certification specified in the cell above	PROHIBIT ENTRY	7CFR 330.105
	Afghanistan, Algeria, Armenia, Australia, Azerbaijan, Bangladesh, Belarus, Bulgaria, Chile, China, Cyprus, Egypt, Estonia, Falkland Islands, Georgia, Greece, Guatemala, Hungary, India, Iran, Iraq, Israel, Italy, Japan, Kazakhstan, Kyrgyzstan, Latvia, Libya, Lithuania, Moldova, Morocco, Nepal, North Korea, Oman, Pakistan, Portugal, Romania, Russia, Spain, Tajikistan, Tanzania, Tunisia, Turkey, Turkmenistan, South Africa, South Korea, Ukraine, Uzbekistan, Venezuela	→	PROHIBIT ENTRY	7CFR 319.59
Country other than listed above		→	INSPECT and RELEASE	7CFR 330.105

1 The areas where Karnal bunt is **not** known to occur include the states of Chihuahua, Guanajuato, Jalisco, Michoacan, Queretaro and the Mexicali valley of Baja California and Sonora.

Wild Rice (*Zizania* spp.)

Use [Table 3-56](#) to regulate wild rice. See also [Rice \(*Oryza* spp.\)](#).

TABLE 3-56 Wild Rice (*Zizania* spp.)

If the wild rice was harvested in:	Then:	Authority:
Canada	INSPECT and RELEASE	7CFR 319.37
Country other than listed above	PROHIBIT ENTRY	

Reference

Wild Rice (*Zizania* spp.)

Glossary

Introduction

Use this *Glossary* to find the meaning of specialized words, abbreviations, acronyms, and terms used in regulating unprocessed seeds imported for purposes **other than** planting or growing. To locate where in the manual a given definition, term, or abbreviation is mentioned, use the [Index](#).

Definitions, Terms, and Abbreviations

areca nut. See [betel nut](#).

basmati rice. Specialty rice with a long grain grown principally in India, Iran, Pakistan, and Sri Lanka; commonly contaminated with husks and paddy rice.

bean. Several plants of the genus *Phaseolus* or related plants (e.g., *Vigna unguiculata*, *V. radiata*, and *Glycine max*) bearing similar pods or seeds.

betel nut. Hard, nutmeg sized seed of the betel palm (*Areca catechu*). Used as a folk remedy, gnawed to clean teeth, or shaved and wrapped in betel leaves to be chewed as a stimulant or breath freshener. Also known as [areca nut](#).

bran. Seed husk or coat of a seed removed in milling.

brown rice. Rice that has been removed from the hulls but has **not** been polished and retains most of the bran layers, endosperm, and germ.

bulk shipment. Loose material in carriers, bulk containers, or in storage.

cereal. Member of the grass family in which the seed is the most important part used for food or feed.

certificate. Authorization to move a regulated commodity, most often indicated by stamping “Released” or “Treated and Released” on documents or containers.

coconut fruit. The coconut fruit is a dry, fibrous, single-seeded drupe. The smooth, thin, outer layer of the fruit is the epicarp (also called exocarp). The epicarp of immature coconuts may be green, orange, yellow, or ivory in color. Mature coconuts have a brown or gray epicarp. The thick, fibrous, middle layer of the fruit is the mesocarp. Together, the epicarp and mesocarp comprise the

husk of a coconut. The inner layer of the fruit wall is the hard, woody endocarp. The endocarp surrounds the seed. The seed is hollow and may be filled with liquid (coconut water or milk). The solid, white pulp is the endosperm of the seed. The coconut of commerce is the fruit with the husk removed.

commercial shipment. Goods that are imported for resale purposes or for profit (example corn imported for cattle feed); **not** for personal use.

compliance agreement. Written understanding in which a party agrees to follow PPQ procedures.

contaminants. Undesirable impurity, e.g., soil, animal manure, and weed seeds.

controlled import permit. A single authorization that consolidates and makes consistent the conditions for importing otherwise prohibited or restricted plant material for experimental, therapeutic or developmental purposes.

corn, shelled. Dried individual kernel which has been removed from the cob; generally imported for animal feed.

cotton seed. The seed of the cotton plant separated from lint (for propagation). Contrast with **polished rice**.

cover. Material that covers or is laid, placed, or spread over or upon cargo.

crating. Rigid shipping structure that consists of a wood frame of which the size and shape are determined by the commodity to be shipped.

disease. Interaction between a pathogen and the plant resulting in damage to the plant. The damage caused is referred to as a symptom.

drupe. Fleshy or fibrous fruit with a hard, stony covering enclosing the seed. The fruit does not split open at maturity (indehiscent).

endemic. Native or indigenous to a particular place.

fuzzy seed. Linted cottonseed or that covered with short fibers that results from the cotton ginning process to remove the longer cotton fibers.

hitchhiking pest. Insects or other pests which are **not** directly associated with their host material and which move with cargo, in baggage, or at large in carriers.

hull. (noun) The dry outer covering of a fruit, seed, husk.

hulled. The hull or hulls have been removed.

husk. (noun) The membranous or green outer envelope of many fruits and seed, as of an ear of corn or a nut.

husked. The husk has been removed.

husked rice. Rice removed from the hulls but **not** polished and retaining most of the bran layers, endosperm, and germ.

inspectional unit. Portion of a shipment used to determine what size sample should be inspected. Also, quarantine action is taken on the inspectional unit.

intergeneric. Existing or occurring between genera (hybridization).

kola nut. Large, fleshy, and bitter caffeine-containing tree seed (*Cola* spp.) that is approximately the size of a chestnut and is chewed as a condiment and stimulant; seed erroneously called nuts. Also known as cola nut.

legume. Plant of the family Fabaceae characteristically bearing pods.

medicinal seeds. Those which are used for their curative powers, and are **not** to be planted.

Mexican jumping-beans. Seeds of several Mexican shrubs of the genera *Sebastiania* or *Sapium* of the family Euphorbiaceae that “jumps” because of the movement of the contained larva of a small moth, *Cydia dehaisiana*.

milled. Ground, pulverized, or broken down into small particles.

millet. Any of the several cereal grasses (or cereal crops) whose small grains are used for food and fodder.

noncommercial. Goods that are **not** imported for profit or resale, generally for personal consumption.

Northern Mariana Islands. Short form for the Commonwealth of the Northern Mariana Islands that is a group of islands in the North Pacific Ocean about three-quarters of the way from Hawaii to the Philippines. Includes Farallon de Pajaros, Maug Islands, Asuncion Islands, Agrihan, Pagan, Guguan, Sarigan, Anatahan, Farallon De Medinilla, Saipan, Tinian, Rota.

noxious weeds. Undesirable plant as specified by the Federal Noxious Weed Regulations. As defined by the Federal Noxious Weed Regulations, noxious weeds are, “Any living stage (including, but **not** limited to seeds and reproductive parts) of any parasitic or other plant or a kind, which is of foreign origin, is new to or **not** widely prevalent in the United States, and can directly

or indirectly injure crops, other useful plants, livestock or poultry or other interests of agriculture, including irrigation or navigation or the fish or wildlife resources of the United States or the public health.”

nut. Hard shelled, woody-textured, one-sided fruit that **does not** split open as an acorn, coconut, or macadamia nut.

packing material. Covering, stuffing, or holding apparatus used to protect, cushion, or brace goods during shipment (e.g., straw, plant litter, paper, vermiculite).

pallet. Portable, wooden platform used for storing or moving cargo or freight.

pathogen. Organism that is capable of causing disease in a particular host or range of hosts. Obtains its nutrients wholly or in part from another living organism (e.g., microorganism such as a bacterium or fungus).

polished rice. Rice that has had the hulls removed, and most of the bran and starch cells rubbed off and screened out.

processed seed. That which has been subjected to any degree of alteration beyond harvesting, e.g., cracked corn.

pulse. Vegetables in the family Fabaceae (Leguminosae) that bear or produce edible pods or seeds, such as beans, chickpeas, cowpeas, lentils, peas, and vetches.

rice polish. Finely powdered material obtained in milling white rice. It consists of the inner bran layer with a little of the starch interior that is rubbed off the kernels.

sample. Portion that is representative of the whole; a specimen.

seed. Ripened ovule, enclosing a rudimentary plant and food necessary for its germination.

screenings. The chaff, immature seeds, inert matter, sterile florets, weed seeds, and other material removed in any way from any seeds in any kind of cleaning or processing; and which contain less than 25 percent of live agricultural or vegetable seeds.

seed cotton. Forms of unginning cotton from which the seed has **not** been separated (**not** used for propagation). Contrast with **cotton seed**.

seeds not for planting. Whole intact seeds (including grains and nuts) imported for purposes **other than** planting or sowing.

smut. Various destructive diseases of cereal grasses caused by parasitic fungi characterized by the transformation of various plant organs into dark brown or black often dusty masses of spores.

transit permit. Document that authorizes movement of articles from regulated areas to specified points where host plants **do not** grow and where the regulated material is handled, utilized, processed, treated, or consumed in such a manner as to eliminate pest risk. An example when a transit permit would be required is the movement of uncertified cotton products to northern markets. Transit permits are issued on the basis that the commodities will **not** be transhipped to non-approved destinations, and that there will be conformity to the conditions of a compliance agreement or the transit permit.

treatment. Chemical or physical procedure used to kill pests; fumigation, cold treatment, hot water dip, application of fungicide, vapor heat.

triticale. Intergeneric hybrid between wheat and rye sometimes used as a generic name.

tritordeum. Intergeneric hybrids between wheat and barley sometimes used as a generic name.

unprocessed seed. Seed that has **not** been subjected to any degree of alteration beyond harvesting.

variety. Subdivision of a kind which is characterized by growth, fruit, seed, or other characteristics by which it can be differentiated from other sorts of the same kind, e.g, Marquis wheat, Kennebec Irish potato, Winesap apple, and Kentucky wonder pole bean.

West Indies. Principal countries of: Anguilla, Antigua and Barbuda, Bahamas, Barbados, Cayman Islands, Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe (and St. Barthelemy), Haiti, Jamaica, Martinique, Montserrat, St. Eustatius, St. Kitts and Nevis, St. Lucia, St. Martin, St. Vincent and the Grenadines, Turks and Caicos Islands, and the British Virgin Islands.

Index

A

Abelmoschus spp. 3-42

acorn (*Quercus* spp.) 3-4

adlay (*Coix* spp.) 3-14

Aegilops 3-60

Aegilops spp. 3-24

Allegheny ciinkapin. See chestnut

almond (*Prunus dulcis*) 3-45

animated oats 3-41

approved establishments 3-53

apricot (*Prunus armeniaca*) 3-45

Arachis spp. 3-43

Avena spp. 3-41

B

bamboo (Bambusoideae) 3-5

barb goatgrass 3-24

beans, Mexican jumping 3-31

C

caley peas (*Lathyrus* spp.) 3-58

Canada

- acorns 3-4
- approved establishments for processing screenings 3-53
- chestnuts 3-6
- faba beans, horsebeans 3-23
- lentils 3-28
- niger seed 3-37
- peas 3-58
- potatoes 3-54
- Prunus* 3-45, 3-46
- screenings from 3-51
- Solanum* spp. 3-54
- tropical soda apple 3-54
- turkey berry 3-54
- vetch 3-59
- wetland nightshade 3-54

Cannabis sativa (hemp/marijuana) 3-25

Castanea spp. 3-6

catch-fly grass seed (*Leersia lenticularis*) 3-20

cherry (*Prunus* spp.) 3-45

chestnut (*Castanea*) 3-6

chickling peas (*Lathyrus* spp.) 3-58

chickpeas (*Cicer* spp.) 3-7

citrus (Rutaceae) 3-8

coconut (*Cocos nucifera*) 3-9, 3-11, 3-12

coffee (*Coffea*) 3-13

cola nut (*Cola acumenata*) 3-27

Cola spp. 3-27

controlled substances 2-27

corn (*Zea mays*) 3-14, 3-15

cotton (*Gossypium* spp.) 3-16

cucumber (*Cucumis sativus*) 3-18

cucurbits (Cucurbitaceae) 3-18

cumin (*Cuminum cyminum*) 3-19

currants (*Ribes* spp.) 3-47

Cuscuta japonica 3-21

Cuscuta spp. (dodder) 3-21

Cydia deshaisiana 3-31

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

D

dodder (*Cuscuta* spp.) 3-21

E

Echinochloa spp. millets 3-34

Eleusine spp. millets 3-33, 3-34

elm seed (*Ulmus* spp.) 3-22

establishments, approved 3-53

Euphorbiaceae 3-31

everlasting peas (*Lathyrus* spp.) 3-58

F

faba bean (*Vicia faba*) 3-23

Federal noxious weeds 3-21

flat peas (*Lathyrus* spp.) 3-58

G

Glycine max 3-55

goatgrass (*Aegilops* spp.) 3-24

gooseberry (*Ribes* spp.) 3-47

grass *Leersia* spp. 3-20

grass peas (*Lathyrus* spp.) 3-58

groundnuts 3-43

Guam 3-14

Guizotia abyssinica (*niger*) 3-37

H

herbal medicine 3-21

hibiscus (*Hibiscus* spp.) 3-26

horsebean (*Vicia faba*) 3-23

I

intergeneric crosses 3-24, 3-60

J

Job's tears (*Coix lacryma*) 3-14

K

kenaf (*Hibiscus* spp.) 3-26

kola nut (*Cola* spp.) 3-27

L

Lathyrus spp. 3-58

Leersia spp. 3-20

Lens spp. 3-28

lentils (*Lens* spp.) 3-28

Leptochloa spp. 3-56

M

macadamia nut (*Macadamia* spp.) 3-29

mahoberberis spp.) 3-30

mallow (*Hibiscus* spp.) 3-26

marijuana (*Cannabis sativa*) 3-25

melon seeds 3-18

Mexican jumping beans (*Sebastiania pavoniana*) or
(*Sebastiania bilocularis*) 3-31

millets 3-32
Echinochloa spp. 3-34
 locator 3-14

mixtures, seed 3-3

N

niger (*Guizotia abyssinica*) 3-37, 3-38

non-indigenous species 3-21

Northern Mariana Islands 3-14

O

oats (*Avena* spp.) 3-41

okra seed 3-42

opium (*Papaver somniferum*) 3-44

Oryza spp. 3-48

P

Panicum spp. 3-33, 3-34

Papaver somniferum 3-44

peanuts (*Arachis* spp.) 3-43

peas (*Lathyrus* spp.) 3-58

pelletized screenings 3-51

Pennisetum spp. millets 3-35

perennial peas (*Lathyrus* spp.) 3-58

plum (*Prunus domestica*) 3-45

poppy (*Papaver somniferum*) 3-44

potatoes (*Solanum* spp.) 3-54

Prunus spp. 3-45

pseudo-millets 3-32

pumpkin seed (*Curcubita maxima*) 3-18

Q

Quercus spp. 3-4

R

Ribes spp. 3-47

rice (*Oryza* spp.) 3-48

rose mallow seed (*Hibiscus moscheutos*) 3-26

roselle (*Hibiscus* spp.) 3-26

rough peas (*Lathyrus* spp.) 3-58

Rutaceae 3-8

S

Saccharum spontaneum (wild sugarcane) 3-57

Saccharum spp. 3-57

safflower (*Carthamus tinctorius*) 3-49

screenings

approved establishments for processing 3-53

from Canada 3-51

from other than Canada 3-52

information 3-50

special procedures for packaging and mailing samples 2-25

Sebastiania spp. 3-31

Semen cuscutae 3-21

Setaria spp. millets 3-33, 3-34

Solanum spp. 3-54

sorrel (*Hibiscus* spp.) 3-26

soybeans (*Glycine max*) 3-55

sprangletop (*Leptochloa* spp.) 3-56

squash seeds (*Curcubita*) 3-18

stone fruits 3-45

sugarcane (*Saccharum* spp.) 3-57

sweet peas (*Lathyrus*) spp. 3-58

T

tangier peas (*Lathyrus* spp.) 3-58

Toshishi. See dodder (*Cuscuta* spp.)

Triticum spp. 3-60

tropical soda apple (*Solanum* spp.) 3-54

Tu Si Zi. See dodder (*Cuscuta* spp.)

turkey berry (*Solanum* spp.) 3-54

U

Ulmus spp. 3-22

V

vetch (*Vicia sativa*) 3-59

Vicia 3-59

Vicia faba 3-23

Vicia spp. 3-59

W

wetland nightshade (*Solanum* spp.) 3-54

wheat (*Aegilops* spp.) 3-24

wheat (*Triticum* spp.) 3-60

white grass seed 3-20

wild oats 3-41

wild rice (*Zizania* spp.) 3-61

wild sugarcane (*Saccharum spontaneum*) 3-57

Windsor bean. See faba bean

Y

yellow peas (*Lathyrus* spp.) 3-58

Z

Zizania spp. 3-61



Comment Sheet

Directions

Use this sheet if you have a suggestion for improving the formatting (design, layout, composition), grammar, or spelling in the manual.

Description of the problem, error, inconsistency, missing or insufficient information

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Reason for improvement or change

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