

# 3

Animal Product  
Manual

## Reference

### *Hides and Related By-Products*

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#### Introduction

The *Hides and Related By-Products* section covers parts and by-products that come from the exterior of animals and birds. Following are examples of hides and related by-products:

- ◆ Bristles (of swine)
- ◆ Capes (with or **without** feathers)
- ◆ Feathers **only**
- ◆ Hair
- ◆ Hides
- ◆ Rawhide
- ◆ Skins

- ◆ Wool (of sheep)

### What Is Not Covered

Not covered in this section are the following animal products and by-products:

- ◆ Animal glue and glue stock made from hide. May be imported as granules, flakes, or powder. Regulate as hide glue under [Animal Waste and Related By-Products](#)
- ◆ Hides and related by-products imported as trophies or that have been processed. Consider hides or skins attached to carcasses as trophies; regulate these products under [Trophies](#)
- ◆ Meals derived from exterior animal parts and ground hides; regulate these products under [Animal Waste and Related By-Products](#)
- ◆ Rawhide (as such, chopped, extruded, or coated) imported as toys or food for pets; regulate such products under [Pet Food, and Livestock, Poultry, and Aquaculture Feed](#)
- ◆ Collagen casings made from collagen obtained from hides; regulate such products under [Casings](#)



Since anthrax may be acquired by handling contaminated hides, wool, hair, or other similar material, carefully inspect such articles. Wear gloves and a face mask when handling these articles; and wash your hands thoroughly following handling. See the [Glossary](#) for more information about anthrax.


## Validation of Authorized Entry by VS Permit

When a VS permit authorizes entry of hides or related by-products, match the following information on the shipping documents with that on the permit:

- ◆ Current date
- ◆ Description of the material
- ◆ Shipper
- ◆ Consignee
- ◆ Conditions spelled out on the permit

Follow [Table 3-7-1](#) as you match the permit with the shipping documents.




TABLE 3-7-1 Validate Importation Authorized Entry by a VS Permit

| If the shipping documents: | And the:  | Then:  |
|----------------------------|---|--|
| Match the permit           |  | RELEASE or CONTROL as specified on the permit  |
| Do not match the permit    | Permit has expired  | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. HAVE the consignee contact VS, TTSPS (see <a href="#">Importation Authorized Entry by VS Permits</a> on page 2-4-28)</li> <li>3. SAFEGUARD the importation until you hear from VS, TTSPS</li> </ol> |
|                            | Discrepancy is <b>other than</b> an expired permit                                | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see <a href="#">Appendix H</a>)</li> </ol>  |

## Locator

When a VS permit **does not** accompany an importation of hides or related by-products, use [Table 3-7-2](#) to determine the appropriate regulatory action to take.


**TABLE 3-7-2 Where to Find Regulatory Action on Hides and Related By-Products Not Authorized by a VS Permit**

| If the hides or their by-products are:   | And the importation is being entered as:   | Then:                              |
|--|--|------------------------------------|
| Rawhide  | <b>Other than</b> pet food or toys <sup>1</sup>                                    | RELEASE                            |
| <ul style="list-style-type: none"> <li>◆ Capes</li> <li>◆ Hides</li> <li>◆ Skins</li> </ul>  |  | GO to <a href="#">Table 3-7-3</a>  |
| Feathers <b>only</b>   |  | GO to <a href="#">Table 3-7-13</a> |
| <ul style="list-style-type: none"> <li>◆ Bristles</li> <li>◆ Hair</li> <li>◆ Wool</li> </ul> |  | GO to <a href="#">Table 3-7-14</a> |

<sup>1</sup> Rawhide chews, toys, and pet paraphernalia are regulated under [Pet Food, and Livestock, Poultry, and Aquaculture Feed](#) on page 3-18-1.

## Hides, Skins, and Capes

**TABLE 3-7-3 Regulatory Action on Hides, Skins, and Capes**

| If the importation is:   | And is from:                           | Then:                              |
|--|--|------------------------------------|
| Leather  | Any animal                             | RELEASE                            |
| Tanned hides, skins, or capes  | All animals <b>except</b> birds        | RELEASE                            |
|  | Birds                                  | GO to <a href="#">Table 3-7-10</a> |
| Chrome-tanned hides, skins, or capes   | All animals <b>except</b> birds        | RELEASE                            |
|  | Birds                                  | GO to <a href="#">Table 3-7-10</a> |
| Hard-dried or flint-dried hides, skins, or capes   | Goat, lamb, or sheep                   | GO to <a href="#">Table 3-7-5</a>  |
|  | <b>Other than</b> goat, lamb, or sheep | GO to <a href="#">Table 3-7-4</a>  |
| <div style="display: flex; align-items: center;">  <div style="margin-left: 10px; background-color: #e0f2f1; padding: 5px; border: 1px solid #ccc;">                     Fresh hides may also harbor noxious weeds.                 </div> </div> | Swine                                  | GO to <a href="#">Table 3-7-6</a>  |
|  | Ruminants                              | GO to <a href="#">Table 3-7-7</a>  |
|  | Birds                                  | GO to <a href="#">Table 3-7-12</a> |
|  | Animals <b>other than</b> listed above | RELEASE                            |

### Hard-Dried or Flint-Dried Untanned Hides or Skins of Animals Other Than Goat, Lamb, or Sheep

Hard-dried or flint-dried untanned hides or skins **must** be dried to the extent that they look brittle enough to crack when bent. Continue to **Table 3-7-4** to determine the action to take.

**TABLE 3-7-4 Hard-Dried or Flint-Dried Untanned Hides or Skins of Animals Other than Goat, Lamb, or Sheep**

| If the importation is:   | And is from:  | And the country or region of export is: | Then:                              |
|--|---|---|------------------------------------|
| Hard-dried or flint-dried hides or skins of animals <b>other than</b> goat, lamb, or sheep | Swine   | Affected with ASF                       | GO to <a href="#">Table 3-7-6</a>  |
|  |   | Free from ASF                           | RELEASE                            |
|  | Ruminants <b>other than</b> goat, lamb or sheep                   | →                                       | RELEASE                            |
|  | Birds   | →                                       | GO to <a href="#">Table 3-7-11</a> |
|  | <b>Other than</b> an animal class listed in the three cells above | →                                       | RELEASE                            |

### Hard-Dried or Flint-Dried Untanned Hides or Skins of Goat, Lamb, or Sheep

Hard-dried or flint-dried hides or skins **must** be dried to the extent that they look brittle enough to crack when bent. Hard-dried or flint-dried hides or skins of goat, sheep, or lamb from countries where the khapra beetle are endemic **must** be inspected for this pest to prevent its entry. Because of a higher risk of khapra beetle on hides and skins from India and Sudan, a **mandatory** fumigation for this pest is required. Continue to **Table 3-7-5** to determine the action to take.

**TABLE 3-7-5 Hard-Dried or Flint-Dried Untanned Hides or Skins of Goat, Lamb, or Sheep**

| If the importation is:   | And the importation originated in or transited:   | And upon inspecting the hides or skins you: | Then:  |
|--|---|---|--|
| Hard-dried or flint-dried hides or skins of goat, lamb, or sheep | Afghanistan, Algeria, Bangladesh, Burkina Faso, Cyprus, Egypt, Iran, Iraq, Israel, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Pakistan, Saudi Arabia, Senegal, Sri Lanka, Syria, Tunisia, or Turkey | Find khapra beetle                          | REQUIRE treatment, following T416 <sup>1</sup> in the <i>Treatment Manual</i>  |
|  |   | Do not find khapra beetle                   | RELEASE  |
|  | India or Sudan  | —————→                                      | 1. REQUIRE a written permit (7CFR§319.75) issued by PPQ's Permit Services Branch of Biological and Technical Services in Riverdale, MD<br>2. REQUIRE treatment, following T416 <sup>1</sup> in the <i>Treatment Manual</i> |
| Country <b>other than</b> one listed above                       | —————→  | RELEASE                                     |  |

<sup>1</sup> Methyl bromide was a fumigant listed in the Treatment Manual (T416). Treatment with methyl bromide may result in foul odors because of the fumigant reacting with proteins in the hides or skins. Once formed, these disagreeable odors may be difficult or impossible to remove.

## Hides, Skins, or Capes of Swine

To determine the action to take on hides, skins, or capes of swine, see [Table 3-7-6](#).

**TABLE 3-7-6 Regulatory Action on Hides, Skins, or Capes of Swine**


| If the importation is:          | And the country or region of export is: | And the importation is:                           | Then:  |
|---------------------------------|---|---|--|
| Hides, skins, or capes of swine | Free from ASF                           | —————→  | GO to <a href="#">Table 3-7-7</a>  |
|                                 | Affected with ASF                       | Consigned to an approved establishment            | AUTHORIZE shipment under seal with VS 16-78 (see <a href="#">Appendix K</a> to complete form)  |
|                                 |   | <b>Not</b> consigned to an approved establishment | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |



## Untanned Hides, Skins, or Capes of Ruminants or Swine

To determine the action to take on untanned hides, skins, or capes of ruminants or swine, see [Table 3-7-7](#).

**TABLE 3-7-7 Untanned Hides, Skins, or Capes of Ruminants or Swine**

| If the importation is:                                 | And the country or region of export is: | And the hides, skins, or capes:  | Then:  |
|--|---|--|--|
| Untanned hides, skins, or capes of ruminants and swine | Free from FMD                           | Are accompanied by adequate proof of origin <sup>1</sup>   | RELEASE<br><br> |
|  |   | <b>Lack</b> adequate proof of origin   | REFUSE ENTRY   |
|  | Affected with FMD                       | Are moist or salted and packed in bundles or on pallets  | GO to <a href="#">Table 3-7-8</a>  |
|  |   | Are <b>not</b> soaking in a solution (usually referred to as wet salted or green salted)   | GO to <a href="#">Table 3-7-8</a>  |
|  |   | Are soaking in a salt solution containing mineral acid   | GO to <a href="#">Table 3-7-9</a>  |
|  |   | Are pickled and packed in barrels, casks, plastic bags, or tight cases   | GO to <a href="#">Table 3-7-8</a>  |
|  |   | <ul style="list-style-type: none"> <li>◆ Are dehaired from being treated with lime</li> <li>◆ Are pliable</li> <li>◆ Are obviously processed (usually referred to as blue-chrome)</li> </ul> | RELEASE  |

Be aware of ticks on fresh hides, primarily from Mexico. See [Table 3-17-5](#)

1 Documentary evidence of the country from which the product originates. Examples include a bill of lading, certificate of origin, invoice, label, or document on official letterhead prepared by the manufacturer, seller, or shipper.

### Untanned Hides, Skins, or Capes of Ruminants and Swine from a Region of Origin Known to Be Affected with FMD and Packed in Bundles

Untanned hides, skins, or capes of ruminants and swine from a region of origin known to be affected with FMD, and packed in bundles are **not** dried to the extent that they look brittle enough to crack if bent. They are moist or salted and packed in bundles or on pallets and are usually referred to as wet salted or green salted. They are **not** soaking in a solution; therefore, collecting 5 ml of solution for testing (see [Table 3-7-9](#)) is impossible.

**TABLE 3-7-8 Regulatory Action on Untanned Hides, Skins, or Capes of Ruminants and of Swine from a Region of Origin Known to Be Affected with FMD and Packed in Bundles**

| If the importation is:   | And the country or region of export is: | And the importation is:                           | Then:  |
|--|---|---|--|
| Untanned hides, skins, or capes of ruminants packed in bundles | Affected with FMD                       | Consigned to an approved establishment            | AUTHORIZE shipment under seal with VS 16-78 (see <a href="#">Appendix K</a> to complete form)  |
|  |   | <b>Not</b> consigned to an approved establishment | <ol style="list-style-type: none"> <li><b>DO NOT</b> RELEASE the HOLD</li> <li>PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |

### Untanned Hides, Skins, or Capes of Ruminant and Swine from a Region of Origin Known to Be Affected with FMD and Pickled in Salt Solution Containing Mineral Acid

Untanned hides, skins, or capes of ruminant and swine from a region of origin known to be affected with FMD and pickled in salt solution containing mineral acid are contained so that at least 5 ml (about a teaspoon) can be collected. (These hides, skins, or capes are usually pickled in a salt solution containing mineral acid and packed in barrels, casks, tight cases, or plastic bags).

PPQ **must** test the pH level using a pH determination paper strip. Paper strips can be purchased at medical supply stores. The paper strips **must** be able to determine a pH level between 4 and 9. Follow the directions that accompany the paper strips.

Continue to [Table 3-7-9](#) to determine the action to take.

**TABLE 3-7-9 Untanned Hides, Skins, or Capes of Ruminant or Swine from a Region of Origin Known to Be Affected with FMD, and Are Pickled in a Salt Solution Containing Mineral Acid**

| If the importation is:   | And the country or region of export is: | And the pH level of the importation is: | And the importation is:                    | Then:   |
|--|---|---|--|---|
| Untanned hides, skins, or capes of ruminant or swine that are pickled in a salt solution containing mineral acid | Affected with FMD                       | Less than or equal to 5.0               | —————→                                     | RELEASE   |
|  |   | Greater than 5.0                        | Consigned to an approved establishment     | AUTHORIZE shipment under seal with VS 16-78 (see <a href="#">Appendix K</a> to complete form)                                 |
|  |   |   | Not consigned to an approved establishment | 1. <b>DO NOT</b> RELEASE the HOLD<br>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a> ) |

## Tanned Hides, Skins, or Capes, and Chrome-tanned Hides, Skins, or Capes of Birds

**TABLE 3-7-10 Tanned Hides, Skins, or Capes, and Chrome-tanned Hides, Skins, or Capes of Birds**

| If the importation is:   | And is from: | And the country or region of export is: | And the importation:          | Then:        |
|--|--------------|---|-------------------------------|--------------|
| <ul style="list-style-type: none"> <li>◆ Tanned hides, skins, or capes</li> <li>◆ Chrome-tanned hides skins, or capes</li> </ul> | Birds        | Affected with HPAI (H5N1)               | Is accompanied by a VS permit | RELEASE      |
|  |              |   | Lacks a VS permit             | REFUSE ENTRY |
|  |              | Free from HPAI (H5N1)                   | —————▶                        | RELEASE      |

## Hard-dried or Flint-dried Untanned Hides or Skins of Birds

**TABLE 3-7-11 Hard-dried or Flint-dried Untanned Hides or Skins of Birds**

| If the importation is:                                     | And the country or region of export is: | And the importation is for:  | And the importation:          | Then:        |
|--|---|--|-------------------------------|--------------|
| Hard-dried or flint-dried untanned hides or skins of birds | Affected with HPAI (H5N1)               | ◆ Scientific, educational, or research purposes  | Is accompanied by a VS permit | RELEASE      |
|  |   | ◆ Consignment to a museum  | Lacks a VS permit             | REFUSE ENTRY |
|  |   | <b>Other than</b> scientific, educational, or research purposes or consignment to a museum | —————▶                        | REFUSE ENTRY |
|  | Free from HPAI (H5N1)                   | —————▶   | RELEASE                       |              |

## Untanned Skins or Capes of Birds With or Without Feathers

**TABLE 3-7-12 Untanned Skins or Capes of Birds and With or Without Feathers**

| If the importation is:   | And the country or region of export is:           | And the importation is for:  | And the importation:                                 | Then:  |
|--|---|--|--|--|
| Untanned skins or capes of birds and with or <b>without</b> feathers | Affected with HPAI (H5N1) <b>only</b>             | <ul style="list-style-type: none"> <li>◆ Scientific, educational, or research purposes</li> <li>◆ Consignment to a museum</li> </ul> | Is accompanied by a VS permit                        | RELEASE  |
|  |   |  | <b>Lacks</b> a VS permit                             | REFUSE ENTRY   |
|  |   | <b>Other than</b> scientific, educational, or research purposes or consignment to a museum   | —————▶   | REFUSE ENTRY   |
|  | Affected with HPAI (H5N1) in combination with END | <ul style="list-style-type: none"> <li>◆ Scientific, educational, or research purposes</li> <li>◆ Consignment to a museum</li> </ul> | Is accompanied by a VS permit                        | RELEASE  |
|  |   |  | <b>Lacks</b> a VS permit                             | REFUSE ENTRY   |
|  |   | <b>Other than</b> scientific, educational, or research purposes or consignment to a museum   | —————▶   | REFUSE ENTRY   |
|  | Affected with END <b>only</b>                     | —————▶   | Is consigned to an approved establishment            | AUTHORIZE shipment under seal with VS 16-78 (see <a href="#">Appendix K</a> to complete form)  |
|  |   | —————▶   | Is <b>not</b> consigned to an approved establishment | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |
|  | Free from <b>both</b> END and HPAI (H5N1)         | —————▶   |  | RELEASE  |

## Feathers Only or Products that Contain Feathers



**Never** cut into or otherwise open finished products with feathers inside (such as comforters, crafts, and pillows) from Afghanistan, Albania, Azerbaijan, Bangladesh, Benin, Burkina Faso, Cambodia, Cameroon, China, Czech Republic<sup>1</sup>, Djibouti, Egypt, Germany<sup>1</sup>, Ghana, Hong Kong, Hungary<sup>1</sup>, India, Indonesia, Iran, Israel, Ivory Coast (Côte d'Ivoire), Japan, Jordan, Kazakhstan, Kuwait, Laos, Malaysia, Myanmar (Burma), Nepal, Niger, Nigeria, Pakistan, Palestinian Autonomous Territories, Poland<sup>1</sup>, Romania, Russia, Saudi Arabia, South Korea, Sudan, Sweden<sup>1</sup>, Thailand, Togo, Turkey, Ukraine, United Kingdom or Vietnam. You risk contracting exotic strains of avian influenza. (Country listing will be updated as country status changes.)

- 1 Regionalized country. **Only** VS-defined areas are considered to be affected with HPAI (H5N1). The areas in regionalized countries **NOT** listed in the VS-restricted zone are considered free from HPAI (H5N1). The VS defined areas follow: Czech Republic (regions (kraj) of Kralovehradecky and Pardubicky ONLY), Germany (the following kreis: Bamberg, Bautzen, Dobeln, Erlangen-Hochstadt, Gorlitz, Havelland, Jerichowerland, Kitzingen, Mecklenburg-Strelitz, Muldentale, Neustadt A.D. Aisch, Oberhavel, Ostprignitz-Ruppin, Potsdam-Mittelmark, Prignitz, Saalfeld-Rudolstadt, Schwandorf, Torgue-Oschatz, and Uckermark ONLY), Hungary (Bacs-Kiskun and Csongrad counties ONLY), Poland (voivodships (provinces) of Kujawsko-Pomorskie, Mazowiekie, and Warminsko-Mazurskie ONLY), Sweden (Kalmar county ONLY), United Kingdom (counties of Norfolk and Suffolk, England ONLY). Contact your local PPQ-VRS-AQI Veterinarian or a PPQ-VRS-HQ Staff Veterinarian for current information on VS-defined areas for regionalized countries.

Continue to **Table 3-7-13**.

**TABLE 3-7-13 Feathers Only or Products that Contain Feathers**

| If:  | And the country or region of export is:  | And the feathers are:   | And: | And the importation:  | Then:   |
|--|--|---|------|---|---|
| <ul style="list-style-type: none"> <li>◆ Feathers <b>only</b></li> <li>◆ Products that contain feathers (such as coats, comforters, crafts and pillows)</li> </ul> | <ul style="list-style-type: none"> <li>◆ Affected with HPAI (H5N1) <b>only</b></li> <li>◆ Affected with HPAI (H5N1) in combination with END</li> </ul> | In bulk or part of items needing further processing   | →    | Is accompanied by a VS permit <sup>1</sup>                                | RELEASE or CONTROL as specified on the permit |
|  |  |   |      | Lacks a VS permit <sup>1</sup>  | REFUSE ENTRY                                  |
|  |  | As <b>fully-finished</b> <sup>2</sup> items, including coats, comforters, crafts, and pillows | →    | Visible feathers are clean and dry, and free from blood, skin, and manure | RELEASE                                       |
|  |  |   | →    | Visible feathers are contaminated with blood, skin, or manure             | REFUSE ENTRY                                  |

TABLE 3-7-13 Feathers Only or Products that Contain Feathers (continued)

| If:  | And the country or region of export is:   | And the feathers are:   | And:  | And the importation: | Then:  |
|--|---|---|---|----------------------|--|
| <ul style="list-style-type: none"> <li>◆ Feathers <b>only</b></li> <li>◆ Products that contain feathers (such as coats, comforters, crafts and pillows)</li> </ul> | Affected with <b>END only</b>             | In bulk or part of items needing further processing   | Is consigned to an approved establishment                                 | →                    | AUTHORIZE shipment under seal with VS 16-78 (see <a href="#">Appendix K</a> to complete form)  |
|  |   |   | Is <b>not</b> consigned to an approved establishment                      | →                    | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |
|  |   | As <b>fully-finished</b> <sup>2</sup> items, including coats, comforters, crafts, and pillows | Visible feathers are clean and dry, and free from blood, skin, and manure | →                    | RELEASE  |
|  |   |   | Visible feathers are contaminated with blood, skin, or manure             | →                    | REFUSE ENTRY   |
|  | Free from <b>both</b> HPAI (H5N1) and END | In bulk or part of items needing further processing <sup>1</sup>                              | Is accompanied by a certificate of origin                                 | →                    | RELEASE  |
|  |   |   | <b>Lacks</b> a certificate of origin                                      | →                    | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |
|  |   | As <b>fully-finished</b> <sup>2</sup> items, including coats, comforters, crafts, and pillows | →   | RELEASE              |  |

- 1 Bulk feathers or feathers needing further processing from an HPAI (H5N1) affected country, that were legally-imported into another country and then re-exported as bulk feathers or feathers needing further processing to the United States requires a VS permit.
- 2 Fully-finished is defined as needing **no** further processing and ready for sale to the consumer.

## Wool, Hair, and Bristles

TABLE 3-7-14 Regulatory Action on Wool, Hair, and Bristles

| If the importation is:   | And the source of the wool, hair, or bristles is:  | And when inspected, the articles are:  | And the country or region of export is: | And the articles:                                     | Then:  |                                    |
|--|--|--|---|---|--|------------------------------------|
| <ul style="list-style-type: none"> <li>◆ Wool<sup>1</sup></li> <li>◆ Hair</li> <li>◆ Bristles</li> </ul> | <ul style="list-style-type: none"> <li>◆ Ruminant (alpaca, bison, camel, cow, deer, goat, sheep, vicuna, or yak for example)</li> <li>◆ Swine (boar, peccary, or pig for example)</li> </ul> | Free from blood stains   | Free from FMD                           | →   | RELEASE  |                                    |
|  |  |  | Affected with FMD                       | Have been scoured, thoroughly washed, or dyed         |  |                                    |
|  |  |  |   |   | Have <b>not</b> been scoured, washed, or dyed  | GO to <a href="#">Table 3-7-15</a> |
|  |  | <b>Bloodstained</b>  |   | Are consigned to an approved establishment            | AUTHORIZE shipment under seal with VS 16-78 (see <a href="#">Appendix K</a> to complete form)  |                                    |
|  |  |  | →                                       | Are <b>not</b> consigned to an approved establishment | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |                                    |
|  |  | <ul style="list-style-type: none"> <li>◆ <b>Neither</b> ruminant <b>nor</b> swine (badger, beaver, cat, dog, fox, hare, rabbit, sable, seal, squirrel, or weasel for example)</li> </ul> | →                                       |   |  | RELEASE                            |

1 Wool comes **only** from ruminants such as alpaca, goat, or sheep.



### Ruminant or Swine Wool, Hair, or Bristles Free from Blood Stains, but Not Washed, Scoured, or Dyed, and from a Region of Origin Known to Be Affected with FMD

To determine the action to take on wool, hair, or bristles that are free from blood stains, but have **not** been washed, scoured, or dyed, and from a country or region of origin that is known to be affected with FMD, see [Table 3-7-15](#).

**TABLE 3-7-15 Wool, Hair, or Bristles Free from Blood Stains, but Not Washed, Scoured, or Dyed and from a Region of Origin Known to Be Affected with FMD**

| If the importation is:                  | And is:   | And country or region of export is: | And the articles are:  | Then:                              |
|---|---|-------------------------------------|--|------------------------------------|
| Wool from ruminant <sup>1</sup>         | Free from bloodstains, but has <b>not</b> been washed, scoured, or dyed | Affected with FMD                   | Free from contamination by manure or dunglocks, but may show grease tags | RELEASE                            |
|   |   |                                     | Contaminated with manure or dunglocks                                    | GO to <a href="#">Table 3-7-16</a> |
| Hair or bristles from ruminant or swine | Free from bloodstains, but has <b>not</b> been washed, scoured, or dyed | Affected with FMD                   | Free from contamination by manure or dunglocks                           | RELEASE                            |
|   |   |                                     | <b>Lightly</b> contaminated (less than 20 percent) with manure           | GO to <a href="#">Table 3-7-17</a> |

<sup>1</sup> Wool comes **only** from ruminants such as alpaca, goats, and sheep.

## Wool that Is Lightly Contaminated With Manure

To determine the action to take on wool that is contaminated with manure, both lightly (less than 20%) or heavily (more than 20% contaminated), see [Table 3-7-16](#).

**TABLE 3-7-16 Wool that Is Contaminated with Manure**

| If the importation is:   | And is:  | And is:                                    | Then:  |
|--|--|--|--|
| Wool <sup>1</sup> that is lightly (less than 20%) contaminated with manure | <ul style="list-style-type: none"> <li>◆ Is accompanied by a certificate from the agency responsible for animal health in the exporting region</li> <li>OR</li> <li>◆ Is accompanied by a declaration from the exporter that verifies the wool is sheep body wool, farm or full skirted</li> </ul> | →  | RELEASE  |
|  | Lacks the certification or declaration described in the cell above   | Consigned to an approved establishment     | AUTHORIZE shipment under seal with VS Form 16-78 (see <a href="#">Appendix K</a> to complete form)   |
|  |  | Not consigned to an approved establishment | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |
| Wool that is heavily (more than 20%) contaminated with manure              | →  | Consigned to an approved establishment     | AUTHORIZE shipment under seal with VS Form 16-78 (see <a href="#">Appendix K</a> to complete form)   |
|  |  | Not consigned to an approved establishment | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |

<sup>1</sup> Wool **only** comes from ruminants alpaca, goats, and sheep.

### Swine Hair or Bristles Heavily Contaminated with Manure

To determine the action to take on swine hair or bristles that are heavily (more than 20%) contaminated with manure, see [Table 3-7-17](#).

**TABLE 3-7-17 Swine Hair or Bristles that Are Heavily Contaminated with Manure**

| If the importation is:  | And the country or region of export is: | And the importation is:                           | Then:  |
|---|---|---|--|
| Swine hair or bristles heavily (more than 20%) contaminated with manure | Affected with FMD                       | Consigned to an approved establishment            | AUTHORIZE shipment under seal with VS Form 16-78 (see <a href="#">Appendix K</a> to complete form)   |
|   |   | <b>Not</b> consigned to an approved establishment | <ol style="list-style-type: none"> <li>1. <b>DO NOT</b> RELEASE the HOLD</li> <li>2. PROVIDE the importer with the appropriate options (see <a href="#">Table 2-2-11</a>)</li> </ol> |

**Reference:** Hides and Related By-Products  
Wool, Hair, and Bristles

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