

# Harmonized Tariff Schedule of the United States (2012) Supplement 1 (Rev.1)

Annotated for Statistical Reporting Purposes

## CHAPTER 11

### PRODUCTS OF THE MILLING INDUSTRY; MALT; STARCHES; INULIN; WHEAT GLUTEN

II  
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#### Notes

1. This chapter does not cover:
    - (a) Roasted malt put up as coffee substitutes (heading 0901 or 2101);
    - (b) Prepared flours, groats, meals or starches of heading 1901;
    - (c) Corn flakes or other products of heading 1904;
    - (d) Vegetables, prepared or preserved, of heading 2001, 2004 or 2005;
    - (e) Pharmaceutical products (chapter 30); or
    - (f) Starches having the character of perfumery, cosmetic or toilet preparations (chapter 33).
  2. (A) Products from the milling of the cereals listed in the table below fall within this chapter if they have, by weight on the dry product:
    - (a) A starch content (determined by the modified Ewers polarimetric method) exceeding that indicated in column (2); and
    - (b) An ash content (after deduction of any added minerals) not exceeding that indicated in column (3).

Otherwise, they fall in heading 2302. However, germ of cereals, whole, rolled, flaked or ground is always classified in heading 1104.
  - (B) Products falling within this chapter under the above provisions shall be classified in heading 1101 or 1102 if the percentage passing through a woven metal wire cloth sieve with the aperture indicated in column (4) or (5) is not less, by weight, than that shown against the cereal concerned.
- Otherwise, they fall in heading 1103 or 1104.

| Cereal<br>(1)                              | Starch<br>content<br>(microns)<br>(2) | Ash<br>content<br>(microns)<br>(3) | Rate of passage through a sieve<br>with an aperture of-- |                        |
|--------------------------------------------|---------------------------------------|------------------------------------|----------------------------------------------------------|------------------------|
|                                            |                                       |                                    | 315 micrometers<br>(4)                                   | 500 micrometers<br>(5) |
|                                            | Percent                               | Percent                            | Percent                                                  | Percent                |
| Wheat and rye. . . . .                     | 45                                    | 2.5                                | 80                                                       | -                      |
| Barley. . . . .                            | 45                                    | 3                                  | 80                                                       | -                      |
| Oats. . . . .                              | 45                                    | 5                                  | 80                                                       | -                      |
| Corn (maize) and<br>grain sorghum. . . . . | 45                                    | 2                                  | -                                                        | 90                     |
| Rice. . . . .                              | 45                                    | 1.6                                | 80                                                       | -                      |
| Buckwheat. . . . .                         | 45                                    | 4                                  | 80                                                       | -                      |

3. For the purposes of heading 1103 the terms "groats" and "meal" mean products obtained by the fragmentation of cereal grains, of which --
  - (a) In the case of corn (maize) products, at least 95 percent by weight passes through a woven metal wire cloth sieve with an aperture of 2 mm;
  - (b) In the case of other cereal products, at least 95 percent by weight passes through a woven metal wirecloth sieve with an aperture of 1.25 mm.

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## Additional U.S. Note

1. Notwithstanding the rates of duty set forth in this subchapter, mixtures of the products classifiable in headings 1101, 1102, 1103 or 1104 (except mixtures classifiable in subheading 1102.90.30) are dutiable as follows:

column 1 (general)- 12.8%

column 1 (special)- Free (AU,CA,CL,E,IL,J,MX,P,SG)

column 2- 20%

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description                          | Unit<br>of<br>Quantity | Rates of Duty |                                                                                  |         |
|------------------------|----------------------|----------------------------------------------|------------------------|---------------|----------------------------------------------------------------------------------|---------|
|                        |                      |                                              |                        | 1             |                                                                                  | 2       |
|                        |                      |                                              |                        | General       | Special                                                                          |         |
| 1101.00.00             |                      | Wheat or meslin flour. . . . .               |                        | 0.7¢/kg       | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                      | 2.3¢/kg |
|                        | 10                   | Hard spring wheat. . . . .                   | kg                     |               |                                                                                  |         |
|                        | 20                   | Durum wheat. . . . .                         | kg                     |               |                                                                                  |         |
|                        | 30                   | White winter wheat. . . . .                  | kg                     |               |                                                                                  |         |
|                        | 90                   | Other. . . . .                               | kg                     |               |                                                                                  |         |
| 1102                   |                      | Cereal flours other than of wheat or meslin: |                        |               |                                                                                  |         |
| 1102.20.00             | 00                   | Corn (maize) flour. . . . .                  | kg                     | 0.3¢/kg       | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                         | 1.1¢/kg |
| 1102.90                |                      | Other:                                       |                        |               |                                                                                  |         |
| 1102.90.20             | 00                   | Buckwheat flour. . . . .                     | kg                     | Free          |                                                                                  | 1.1¢/kg |
| 1102.90.25             | 00                   | Rice flour. . . . .                          | kg                     | 0.09¢/kg      | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                         | 1.4¢/kg |
| 1102.90.27             | 00                   | Rye flour. . . . .                           | kg                     | 0.23¢/kg      | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                      | 1¢/kg   |
| 1102.90.30             | 00                   | Other:<br>Mixtures. . . . .                  | kg                     | 12.8%         | Free (A*,AU,BH,CA,CL,CO,E,IL,J,JO,MA,MX,OM,P,PA,PE,SG)                           | 20%     |
| 1102.90.60             | 00                   | Other. . . . .                               | kg                     | 9%            | 10.2% (KR)<br>Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,MA,MX,OM,P,PA,PE,SG)<br>7.2% (KR) | 20%     |
| 1103                   |                      | Cereal groats, meal and pellets:             |                        |               |                                                                                  |         |
| 1103.11.00             |                      | Groats and meal:<br>Of wheat. . . . .        |                        | 0.5¢/kg       | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                      | 2.3¢/kg |
|                        | 20                   | Semolina. . . . .                            | kg                     |               |                                                                                  |         |
|                        | 40                   | Other. . . . .                               | kg                     |               |                                                                                  |         |
| 1103.13.00             |                      | Of corn (maize). . . . .                     |                        | 0.3¢/kg       | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                         | 1.1¢/kg |
|                        | 20                   | Cornmeal. . . . .                            | kg                     |               |                                                                                  |         |
|                        | 60                   | Other. . . . .                               | kg                     |               |                                                                                  |         |
| 1103.19                |                      | Of other cereals:                            |                        |               |                                                                                  |         |
| 1103.19.12             | 00                   | Of oats. . . . .                             | kg                     | 0.8¢/kg       | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                         | 1.8¢/kg |
| 1103.19.14             | 00                   | Of rice. . . . .                             | kg                     | 0.09¢/kg      | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                         | 1.4¢/kg |
| 1103.19.90             | 00                   | Of other cereals. . . . .                    | kg                     | 9%            | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                      | 20%     |

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description                                                                                                                                                              | Unit<br>of<br>Quantity | Rates of Duty |                                                                             |         |
|------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------|-----------------------------------------------------------------------------|---------|
|                        |                      |                                                                                                                                                                                  |                        | 1             |                                                                             | 2       |
|                        |                      |                                                                                                                                                                                  |                        | General       | Special                                                                     |         |
| 1103 (con.)            |                      | Cereal groats, meal and pellets (con.):                                                                                                                                          |                        |               |                                                                             |         |
| 1103.20.00             |                      | Pellets. . . . .                                                                                                                                                                 | kg                     | Free          |                                                                             | 10%     |
|                        | 10                   | Of wheat. . . . .                                                                                                                                                                | kg                     |               |                                                                             |         |
|                        | 90                   | Of other cereals. . . . .                                                                                                                                                        | kg                     |               |                                                                             |         |
| 1104                   |                      | Cereal grains otherwise worked (for example, hulled, rolled, flaked, pearled, sliced or kibbled), except rice of heading 1006; germ of cereals, whole, rolled, flaked or ground: |                        |               |                                                                             |         |
|                        |                      | Rolled or flaked grains:                                                                                                                                                         |                        |               |                                                                             |         |
| 1104.12.00             | 00                   | Of oats. . . . .                                                                                                                                                                 | kg                     | 1.2¢/kg       | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                    | 1.8¢/kg |
| 1104.19                |                      | Of other cereals:                                                                                                                                                                |                        |               |                                                                             |         |
| 1104.19.10             | 00                   | Of barley. . . . .                                                                                                                                                               | kg                     | 2¢/kg         | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                 | 4.4¢/kg |
| 1104.19.90             | 00                   | Other. . . . .                                                                                                                                                                   | kg                     | 0.45¢/kg      | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                 | 1¢/kg   |
|                        |                      | Other worked grains (for example, hulled, pearled, sliced or kibbled):                                                                                                           |                        |               |                                                                             |         |
| 1104.22.00             | 00                   | Of oats . . . . .                                                                                                                                                                | kg                     | 0.5%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                    | 11%     |
| 1104.23.00             | 00                   | Of corn (maize). . . . .                                                                                                                                                         | kg                     | 0.45¢/kg      | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                    | 1¢/kg   |
| 1104.29                |                      | Of other cereals:                                                                                                                                                                |                        |               |                                                                             |         |
| 1104.29.10             | 00                   | Of barley. . . . .                                                                                                                                                               | kg                     | 1.2%          | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                 | 17%     |
| 1104.29.90             | 00                   | Other. . . . .                                                                                                                                                                   | kg                     | 2.7%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                    | 20%     |
| 1104.30.00             | 00                   | Germ of cereals, whole, rolled, flaked or ground. . . . .                                                                                                                        | kg                     | 4.5%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                    | 20%     |
| 1105                   |                      | Flour, meal, powder, flakes, granules and pellets of potatoes:                                                                                                                   |                        |               |                                                                             |         |
| 1105.10.00             | 00                   | Flour, meal and powder. . . . .                                                                                                                                                  | kg                     | 1.7¢/kg       | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,MA,MX,OM,P,PA,PE,SG)                       | 5.5¢/kg |
| 1105.20.00             | 00                   | Flakes, granules and pellets. . . . .                                                                                                                                            | kg                     | 1.3¢/kg       | 1.3¢/kg (KR)<br>Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG) | 6.1¢/kg |

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description                                                                                                                                       | Unit<br>of<br>Quantity | Rates of Duty |                                                                    |      |
|------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------|--------------------------------------------------------------------|------|
|                        |                      |                                                                                                                                                           |                        | 1             |                                                                    | 2    |
|                        |                      |                                                                                                                                                           |                        | General       | Special                                                            |      |
| 1106                   |                      | Flour, meal and powder of the dried leguminous vegetables of heading 0713, of sago or of roots or tubers of heading 0714 or of the products of chapter 8: |                        |               |                                                                    |      |
| 1106.10.00             | 00                   | Of the dried leguminous vegetables of heading 0713...                                                                                                     | kg. ....               | 8.3%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)           | 35%  |
| 1106.20                |                      | Of sago or of roots or tubers of heading 0714:                                                                                                            |                        |               |                                                                    |      |
| 1106.20.10             | 00                   | Of Chinese water chestnuts. ....                                                                                                                          | kg. ....               | 8.3%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,MA,MX,OM,P,PA,PE,SG)<br>6.6% (KR) | 35%  |
| 1106.20.90             | 00                   | Other. ....                                                                                                                                               | kg. ....               | Free          |                                                                    | Free |
| 1106.30                |                      | Of the products of chapter 8:                                                                                                                             |                        |               |                                                                    |      |
| 1106.30.20             | 00                   | Banana and plantain. ....                                                                                                                                 | kg. ....               | 2.8%          | Free (A*,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)          | 20%  |
| 1106.30.40             | 00                   | Other. ....                                                                                                                                               | kg. ....               | 9.6%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,MA,MX,OM,P,PA,PE,SG)<br>7.6% (KR) | 20%  |

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description                       | Unit<br>of<br>Quantity | Rates of Duty |                                                                              |          |
|------------------------|----------------------|-------------------------------------------|------------------------|---------------|------------------------------------------------------------------------------|----------|
|                        |                      |                                           |                        | 1             |                                                                              | 2        |
|                        |                      |                                           |                        | General       | Special                                                                      |          |
| 1107                   |                      | Malt, whether or not roasted              |                        |               |                                                                              |          |
| 1107.10.00             | 00                   | Not roasted. . . . .                      | kg. . . . .            | 0.3¢/kg       | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                  | 0.88¢/kg |
| 1107.20.00             | 00                   | Roasted. . . . .                          | kg. . . . .            | 0.42¢/kg      | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                  | 0.88¢/kg |
| 1108                   |                      | Starches; inulin:                         |                        |               |                                                                              |          |
|                        |                      | Starches:                                 |                        |               |                                                                              |          |
| 1108.11.00             |                      | Wheat starch. . . . .                     |                        | 0.54¢/kg      | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                     | 3.3¢/kg  |
|                        | 10                   | For food use. . . . .                     | kg                     |               |                                                                              |          |
|                        | 90                   | Other. . . . .                            | kg                     |               |                                                                              |          |
| 1108.12.00             |                      | Corn (maize) starch. . . . .              |                        | 0.54¢/kg      | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                     | 3.3¢/kg  |
|                        | 10                   | For food use. . . . .                     | kg                     |               |                                                                              |          |
|                        | 90                   | Other. . . . .                            | kg                     |               |                                                                              |          |
| 1108.13.00             |                      | Potato starch. . . . .                    |                        | 0.56¢/kg      | Free (A+,AU,BH,CA,CL,CO,D,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                  | 5.5¢/kg  |
|                        | 10                   | For human consumption. . . . .            | kg                     |               |                                                                              |          |
|                        | 90                   | Other. . . . .                            | kg                     |               |                                                                              |          |
| 1108.14.00             | 00                   | Cassava (manioc) starch. . . . .          | kg. . . . .            | Free          |                                                                              | Free     |
| 1108.19.00             |                      | Other starches. . . . .                   |                        | Free          |                                                                              | Free     |
|                        | 10                   | Cereal starches for non-food use. . . . . | kg                     |               |                                                                              |          |
|                        | 90                   | Other. . . . .                            | kg                     |               |                                                                              |          |
| 1108.20.00             | 00                   | Inulin. . . . .                           | kg. . . . .            | 2.6%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                     | 50%      |
| 1109.00                |                      | Wheat gluten, whether or not dried:       |                        |               |                                                                              |          |
| 1109.00.10             | 00                   | To be used as animal feed. . . . .        | kg. . . . .            | 1.8%          | Free (A,AU,BH,CA,CL,CO,E,IL,J,JO,KR,MA,MX,OM,P,PA,PE,SG)                     | 20%      |
| 1109.00.90             | 00                   | Other. . . . .                            | kg. . . . .            | 6.8%          | Free (A,BH,CA,CL,CO,E,IL,J,JO,MA,MX,OM,P,PA,PE,SG)<br>3.7% (AU)<br>5.4% (KR) | 20%      |