## Chile

## Tomatoes and Products

## Annual

## 2007

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## Report Highlights:

Chile's tomato paste production is expected to increase, as planted area will increase. Production of fresh tomatoes is forecast to fall slightly.

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## Executive Summary

Our new tomato paste production estimates show an increase for MY2007 when compared to both last year and previous estimate. The canning industry contracted a larger planted area of tomatoes from producers; as a result total output of tomatoes for processing will increase. Fresh tomato production is expected to fall slightly.

## Production General

## Fresh Tomatoes

## For Fresh Consumption

Planting of tomatoes for fresh consumption is not expected to change in the coming years, as domestic consumption and exports volumes fell during last season. Exports to Argentina, Chile's main export market fell mainly due to changes in exchange policy. Industry sources have indicated that due to changes in varieties of tomatoes that have a longer shelf life but not as tasty consumers have reduced out of season consumption of tomatoes. As a result domestic prices fell and consequently planted area and production were also reduced. Higher prices for fresh tomatoes during CY2006 are not expected to increase planted area next season as the price increase during the winter month was due to a fall of tomatoes produced in greenhouses in the north of Chile (Arica) as a larger number of producers switched to alternative crops.

In Chile most tomatoes that go to the processing industry are produced in the irrigated central valley of Chile. Tomatoes for fresh consumption are planted throughout Chile from Arica to Tierra del Fuego. Almost 1,500 hectares of tomatoes are planted in greenhouse with drip-irrigation systems, these are all for fresh consumption.

| Prices Table |  |  |  |
| :---: | :---: | :---: | :---: |
| Country | Chile |  |  |
| Commodity | Fresh Tomatoes |  |  |
| Prices in | Pesos | Per uom | Kg . |
| Year | 2005 | 2006 | \% Change |
| Jan | 163.8 | 172.4 | 5\% |
| Feb | 144.1 | 144.4 | 0\% |
| Mar | 146.2 | 163.8 | 12\% |
| Apr | 179.2 | 168.1 | -6\% |
| May | 170.8 | 179.6 | 5\% |
| Jun | 180.1 | 219.4 | 22\% |
| Jul | 169.2 | 271.6 | 61\% |
| Aug | 179.3 | 257.1 | 43\% |
| Sep | 188.8 | 274.6 | 45\% |
| Oct | 256.1 | 268.9 | 5\% |
| Nov | 287.1 | 279.2 | -3\% |
| Dec | 222.9 | 230.4 | 3\% |
|  |  |  |  |
| Exchange Rate | 532 | Local Curre | ency/US \$ |
| Date of Quote | 4/30/2007 | MM/DD/ | /YYYY |

## For Processing

Total planted area of tomatoes for processing fell significantly since MY2003, from an estimated 11,000 hectares to only 8,500 in MY2006. In 2007, it increased again as a result a fall in production in the northern hemisphere, mainly in the US that was affected by adverse weather conditions resulting in a significant reduction in output. Industry sources indicated that in the long run planted area is not expected to vary significantly for the coming years, as the tomato processing industry is reportedly producing tomato paste for niche markets and for long-term customers. Presently there are only two processing industries in Chile that produce tomato paste and these reportedly have most of their production committed at the time they fix planting contracts with the farmers. Sources also indicate that in the long run, planted area and production figures probably will not vary significantly as the industry is presently producing at more than 85 percent of capacity. Chile's tomato production (planting and processing) represents less than 4 percent of total world production.

Tomatoes for processing are planted from mid-September through early November of each year and harvested from early-mid January through mid April. During the planting season, frosts are an important limiting factor in many growing areas. A dry summer, with significant temperature changes between day and night during the growing season, allows growers to produce tomatoes with a deep red color. Over 95 percent of tomatoes harvested
for processing are destined for paste production. The tomato products industry mainly targets the export market.

Tomatoes for industrial purposes are planted in the central area (Regions V through VII and the Santiago Metropolitan Region).

## Tomato Products

## Canned Tomatoes

Chile produces whole peeled, crushed peeled and diced tomatoes. Trade figures and PS\&D tables include all three products since statistics contain no product breakout. Most canned tomatoes are produced for export. Canned tomato production is highly dependent on export demand. Customers in the domestic or export market normally contract yearly production. Canned tomatoes are produced mainly for the Latin American market.

## Tomato Paste

We revised the tomato paste production for MY2006 upwards, as a result of new information given by industry sources. Moreover, these same sources have indicated that as a result of good prices and a strong demand for paste they processed more tomatoes than previously projected. The industry in Chile contracts tomato plantings and produces paste according to an expected demand for paste. Farmers plant tomatoes only by contract with the industry. For MY2007, another increase is expected as demand and prices are strong due to lower production in the Northern Hemisphere that has been affected by adverse weather conditions.

The paste industry in Chile mainly produces a 30 to 32 Brix product. Small amounts are produced with 28 to 30 Brix for the Japanese market. As a result of industry mergers, sales of processing plants, and joint ventures with foreign companies, there are now only two players in the tomato paste industry in Chile today. The two companies are Aconcagua Foods and Agrozzi. Aconcagua Foods, which used to be Corpora bought several processing plants over the last few years and also established a joint venture with a Mexican Company named La Costena, a leading canned product producer and distribution company. Meanwhile Agrozzi, took control of Malloa, a tomato processing company that used to belong to Lever, a multinational company, and became the largest producer in Chile.

## Tomato Sauce

Tomato sauce production, like canned tomato production, is closely related to export demand. For this coming season a slight increase in output is expected as industry expects a stronger foreign demand.

## Production Policy

There are no government subsidies for tomatoes. Most imports are subject to a fixed general tariff of 6 percent ad valorem. All products pay an additional 19 percent value added tax.

## Consumption

## Fresh Tomatoes

There are no statistics on domestic consumption in Chile. Usually, we assume no significant change in domestic consumption, although high prices due to a smaller supply may reduce consumption some years. Figures are estimated as a residual of estimated production and export data.

Shelf life influences which tomato varieties are used in Chile. Improved shelf life has allowed growers to produce tomatoes in the extreme north of Chile (Arica) and transport them to major population centers 1,000 miles to the south e.g., Santiago, mainly during the winter season. This development has permitted a constant fresh tomato supply during the entire year, contributing to an increase in total fresh tomato consumption together with a fall in prices over the last few years. However increased competition from other horticultural products together with less tastier long shelf life tomatoes is expected to modestly affect domestic consumption of fresh tomatoes over the next few years. The most common varieties planted in Chile are Cal-ace, Marmande raf, Ac 55 vf, Early pack, Napoli and Roma.

## Processed Tomatoes

Since Chilean processed tomato production is mainly for the export market, domestic utilization is fundamentally a residual. As previously mentioned there are no statistics on domestic consumption

## Trade

## Fresh

Chile's fresh tomato exports are tied to export demand. But exports of fresh tomatoes are not expected to rebound in the short term as was indicated by an industry contact, mainly due to poor profitability that is forecasted to continue in 2007, as the Chilean peso gets stronger, reducing returns to growers. Additionally, shipping costs keep increasing.

Although Chile can export fresh tomatoes to the U.S., the industry is not optimistic about that market due to fumigation requirements, which reduce the products shelf life and the need to ship the product by air in order to compete in quality with other imports. As a result of limited space in airfreight and competition for that space with more profitable commodities, like berries and salmon, fresh Chilean tomatoes generally are not price competitive with Mexican tomatoes that are produced year round closer to the U.S. market.

## Processed

Tomato Paste: Neighboring Latin American countries are Chile's main export markets. Mexico is the largest market. The two processors indicated that they normally contract planting areas with farmers to produce enough tomato paste to supply their export needs. But, when lower production is expected from the most important tomato paste producer in the northern hemisphere, the industry increases production hoping to supply an unsatisfied demand.

Tomato Sauce: The industry has been able to diversify the tomato sauce export market, which was highly concentrated. Nevertheless most exports are destined for Latin American countries, whose economies are more or less stagnant. Consequently, only small increases in exports are likely in the next few years.

Canned Tomatoes: Although the industry is making a great effort to expand markets in neighboring Latin American countries, demand for Chile's canned tomatoes has been falling over the last few years.

| PSD Table |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Country | Chile |  |  |  |  |  |  |  |  |
| Commodity | Fresh Tomatoes |  |  |  |  |  | (HA)(MT) |  |  |
|  | 2005 | Revised |  | 2006 | Estimate |  | 2007 | Forecast |  |
|  | USDA Official | Post Estimate | Post Estimate New | USDA Official | Post Estimate | Post <br> Estimate <br> New | USDA Official | Post Estimate | Post Estimate New |
| Market Year Begin |  | 01/2006 | 01/2006 |  | 01/2007 | 01/2007 |  | 01/2008 | 01/2008 |
| Plant For Fresh Consump | 0 | 7000 | 6500 | 0 | 7000 | 6500 | 0 | 0 | 6500 |
| Plant For Processing | 0 | 8000 | 8500 | 0 | 9000 | 9500 | 0 | 0 | 9500 |
| Total Area Planted | 0 | 15000 | 15000 | 0 | 16000 | 16000 | 0 | 0 | 16000 |
| Harv. For Fresh Cons. | 0 | 7000 | 6500 | 0 | 7000 | 6500 | 0 | 0 | 6500 |
| Harv. For Processing | 0 | 8000 | 8000 | 0 | 9000 | 9500 | 0 | 0 | 10000 |
| Total Area Harvested | 0 | 15000 | 14500 | 0 | 16000 | 16000 | 0 | 0 | 16500 |
| Fresh Sale Production | 0 | 295000 | 274000 | 0 | 295000 | 270000 | 0 | 0 | 270000 |
| Processing Production | 0 | 608000 | 645000 | 0 | 702000 | 685000 | 0 | 0 | 700000 |
| Total Production | 0 | 903000 | 919000 | 0 | 997000 | 955000 | 0 | 0 | 970000 |
| Total Supply | 0 | 903000 | 919000 | 0 | 997000 | 955000 | 0 | 0 | 970000 |


| Export Trade Matrix |  |  |  |
| :--- | ---: | :--- | ---: |
| Country | Chile |  |  |
| Commodity | Fresh Tomatoes |  |  |
| Time Period | Jan- Dec | Units: | M.T. |
| Exports for: | 2005 |  | 2006 |
| U.S. | 66 | U.S. | 0 |
| Others |  | Others |  |
| Argentina | 148 | Spain | 30 |
| Spain | 23 | Argentina | 23 |
| U.K. | 8 | U.K. | 8 |
| Falkland | 2 | Falkland IsI. | 2 |
|  |  |  | 63 |
| Total for Others | 181 |  | 0 |
| Others not Listed | 0 |  | 63 |
| Grand Total | 247 |  |  |


| PSD Table |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Country | Chile |  |  |  |  |  |  |  |  |
| Commodity | Tomato Paste, 28-30\% TSS Basis |  |  |  |  |  | (MT)(MT, Net Weight) |  |  |
|  | 2005 | Revised |  | 2006 | Estimate |  | 2007 | Forecast |  |
|  | USDA Official | Post Estimate | $\begin{array}{\|c\|} \hline \text { Post } \\ \text { Estimate } \\ \text { New } \end{array}$ | USDA Official | Post Estimate | Post Estimate New | USDA Official | Post Estimate | Post <br> Estimate <br> New |
| Market Year Begin |  | 01/2006 | 01/2006 |  | 01/2007 | 01/2007 |  | 01/2008 | 01/2008 |
| Deliv. To Processors | 547000 | 547000 | 645000 | 632000 | 632000 | 685000 | 0 | 0 | 700000 |
| Beginning Stocks | 14013 | 14013 | 14013 | 9613 | 9613 | 9613 | 8713 | 8713 | 7613 |
| Production | 79600 | 79600 | 107190 | 90500 | 90500 | 110000 | 0 | 0 | 112000 |
| Imports | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Supply | 93613 | 93613 | 121203 | 100113 | 100113 | 119613 | 8713 | 8713 | 119613 |
| Exports | 62000 | 62000 | 89590 | 69400 | 69400 | 90000 | 0 | 0 | 91000 |
| Domestic Consumption | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 0 | 0 | 22000 |
| Ending Stocks | 9613 | 9613 | 9613 | 8713 | 8713 | 7613 | 0 | 0 | 6613 |
| Total Distribution | 93613 | 93613 | 121203 | 100113 | 100113 | 119613 | 0 | 0 | 119613 |


| Export Trade Matrix |  |  |  |
| :--- | ---: | :--- | :--- |
| Country | Chile |  |  |
| Commodity | Tomato Paste,28-30\% TSS Basis |  |  |
| Time Period | Jan- Dec | Units: | M.T. |
| Exports for: | 2005 |  | 2006 |
| U.S. | 1728 | U.S. | 3266 |
| Others |  | Others |  |
| Venezuela | 15422 | Mexico | 20699 |
| Mexico | 15323 | Venezuela | 13129 |
| Costa Rica | 12095 | Costa Rica | 9972 |
| Japan | 10395 | Colombia | 7983 |
| Colombia | 6215 | Japan | 6821 |
| Argentina | 3879 | Argentina | 5748 |
| Guatemala | 3792 | Ecuador | 3433 |
| Ecuador | 3575 | Guatemala | 2930 |
| Brazil | 3559 | Honduras | 2735 |
| Honduras | 1929 | Uruguay | 2500 |
| Total for Others | 76184 |  | 75950 |
| Others not Listed | 6825 |  | 10374 |
| Grand Total | 84737 |  | 89590 |


| PSD Table |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Country | Chile |  |  |  |  |  |  |  |  |
| Commodity | Tomatoes, Canned |  |  |  |  |  | (MT)(MT, Net Weight) |  |  |
|  | 2005 | Revised |  | 2006 | Estimate |  | 2007 | Forecast |  |
|  | USDA Official | Post Estimate | Post <br> Estimate <br> New | USDA Official | Post Estimate | Post Estimate New | USDA Official | Post Estimate | Post Estimate New |
| Market Year Begin |  | 01/2006 | 01/2006 |  | 01/2007 | 01/2007 |  | 01/2008 | 01/2008 |
| Deliv. To Processors | 4600 | 4600 | 4200 | 4600 | 4600 | 3970 | 0 | 0 | 3800 |
| Beginning Stocks | 137 | 137 | 137 | 137 | 137 | 226 | 137 | 137 | 226 |
| Production | 4400 | 4400 | 4000 | 4400 | 4400 | 3800 | 0 | 0 | 3630 |
| Imports | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Supply | 4537 | 4537 | 4137 | 4537 | 4537 | 4026 | 137 | 137 | 3856 |
| Exports | 1200 | 1200 | 711 | 1200 | 1200 | 600 | 0 | 0 | 600 |
| Domestic Consumption | 3200 | 3200 | 3200 | 3200 | 3200 | 3200 | 0 | 0 | 3100 |
| Ending Stocks | 137 | 137 | 226 | 137 | 137 | 226 | 0 | 0 | 156 |
| Total Distribution | 4537 | 4537 | 4137 | 4537 | 4537 | 4026 | 0 | 0 | 3856 |


| Export Trade Matrix |  |  |  |
| :--- | ---: | :--- | :--- |
| Country | Chile |  |  |
| Commodity | Tomatoes, Canned | M.T. |  |
| Time Period | Jan- Dec | Units: | 2006 |
| Exports for: | 2005 |  | 162 |
| U.S. | 205 | U.S. |  |
| Others |  | Others | 155 |
| Honduras | 403 | Mexico | 118 |
| Venezuela | 163 | Honduras | 101 |
| Costa Rica | 131 | apan | 75 |
| Colombia | 120 | Colombia | 50 |
| Japan | 100 | Costa Rica | 34 |
| Guatemala | 33 | Guatemala | 16 |
| Brazil | 21 | Brazil |  |
| Mexico | 17 |  |  |
| Argentina | 4 |  |  |
| Falkland | 1 |  |  |
| Total for Others | 993 |  |  |
| Others not Listed | 0 |  |  |
| Grand Total | 1198 |  |  |


| PSD Table |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Country | Chile |  |  |  |  |  |  |  |  |
| Commodity | Tomato Sauce |  |  |  |  |  | (MT)(MT, Net Weight) |  |  |
|  | 2005 | Revised |  | 2006 | Estimate |  | 2007 | Forecast |  |
|  | USDA Officia | Post Estimate | Post <br> Estimate <br> New | USDA Official | $\begin{array}{\|c\|} \text { Post } \\ \text { Estimate } \\ \hline \end{array}$ | Post Estimate New | USDA Official | Post Estimate | Post Estimate New |
| Market Year Begin |  | 01/2006 | 01/2006 |  | 01/2007 | 01/2007 |  | 01/2008 | 01/2008 |
| Deliv. To Processors | 8750 | 8750 | 8850 | 8700 | 8700 | 8900 | 0 | 0 | 9000 |
| Beginning Stocks | 205 | 205 | 205 | 215 | 215 | 178 | 225 | 225 | 238 |
| Production | 4000 | 4000 | 4700 | 3900 | 3900 | 4750 | 0 | 0 | 4800 |
| Imports | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Supply | 4205 | 4205 | 4905 | 4115 | 4115 | 4928 | 225 | 225 | 5038 |
| Exports | 3000 | 3000 | 3737 | 2900 | 2900 | 3700 | 0 | 0 | 3800 |
| Domestic Consumption | 990 | 990 | 990 | 990 | 990 | 990 | 0 | 0 | 990 |
| Ending Stocks | 215 | 215 | 178 | 225 | 225 | 238 | 0 | 0 | 248 |
| Total Distribution | 4205 | 4205 | 4905 | 4115 | 4115 | 4928 | 0 | 0 | 5038 |


| Export Trade Matrix |  |  |  |
| :---: | :---: | :---: | :---: |
| Country | Chile |  |  |
| Commodity | Tomato Sauce |  |  |
| Time Period | Jan- Dec | Units: | M.T. |
| Exports for: | 2005 |  | 2006 |
| U.S. |  | U.S. | 0 |
| Others |  | Others |  |
| Argentina |  | Argentina | 708 |
| Guatemala |  | Mexico | 590 |
| Peru |  | Guatemala | 488 |
| Mexico | 245 | Peru | 461 |
| Colombia | 201 | Dominican Rep. | 318 |
| Brazil |  | Colombia | 262 |
| Dominican Rep. | 168 | Brazil | 207 |
| Cuba | 131 | Costa Rica | 141 |
| Ecuador | 107 | Paraguay | 129 |
| Uruguay |  | Uruguay | 115 |
| Total for Others | 2794 |  | 3419 |
| Others not Listed | 263 |  | 318 |
| Grand Total | 3057 |  | 3737 |

