The following tables report the effects of the shocks on prices, quantities, and economic surplus. The effects for both multimarket (MM) and partial equilibrium (PE) are shown. The first four tables report the changes in economic surplus from all crops; the latter four tables report the changes in prices and quantities for corn and soybean. The last table shows the effects of the shocks on the aggregate quantity of corn and soybean. To combine these two crops, we first convert the quantity of each into calories using data from the [USDA nutrition database](https://ndb.nal.usda.gov/ndb/foods). For soybeans, we use the entry on “Soybeans, green, raw,” while for corn we use the entry on “Corn, sweet, yellow, frozen, kernels on cob, unprepared.” Then, once the units are converted to a common measure (kcal), we find the change in calories demanded by each country for each shocks. Finally, we total these values across all countries and report their relative change with respect to the baseline amount calories demanded.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Brazil - % Change in Surplus for All Crops | | | | | | |
|  | **% Change in**  **Consumer Surplus** | | **% Change in**  **Producer Surplus** | | **% Change in**  **Total Surplus** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -4.75% | 0.73% | 1.75% | 0.14% | -1.50% | 0.44% |
| 2 | -3.87% | 5.82% | 2.18% | 0.81% | -0.85% | 3.32% |
| 3 | -2.66% | 4.31% | 1.43% | 0.66% | -0.61% | 2.49% |
| 4 | -1.06% | 9.09% | 1.80% | 1.02% | 0.37% | 5.06% |
| 5 | -0.30% | 7.00% | 1.15% | 0.90% | 0.43% | 3.95% |
| 6 | 2.18% | 12.49% | 1.24% | 1.10% | 1.71% | 6.79% |
| 7 | -1.24% | 6.23% | 1.44% | 0.79% | 0.10% | 3.51% |
| 8 | -4.36% | 2.36% | 1.80% | 0.41% | -1.28% | 1.39% |
| 9 | 4.63% | 15.51% | 0.75% | 1.11% | 2.69% | 8.31% |
| 10 | 1.70% | 7.99% | 0.36% | 1.00% | 1.03% | 4.49% |
| 11 | -1.73% | 2.13% | 0.91% | 0.35% | -0.41% | 1.24% |
| 12 | -0.60% | 3.31% | 0.70% | 0.49% | 0.05% | 1.90% |
| 13 | 1.50% | 7.51% | 0.59% | 0.92% | 1.05% | 4.21% |
| 14 | 2.94% | 10.32% | 0.42% | 1.12% | 1.68% | 5.72% |
| 15 | 2.50% | 7.45% | 0.26% | 0.91% | 1.38% | 4.18% |
| 16 | -1.81% | 2.94% | 1.00% | 0.48% | -0.40% | 1.71% |
| 17 | -3.27% | -1.11% | 0.91% | -0.17% | -1.18% | -0.64% |
| 18 | -0.92% | -0.55% | 0.17% | -0.05% | -0.38% | -0.30% |
| 19 | 1.20% | 3.39% | -0.03% | 0.54% | 0.58% | 1.97% |
| 20 | -5.03% | -4.92% | 0.98% | -0.96% | -2.03% | -2.94% |
| 21 | 0.52% | 2.95% | 0.24% | 0.46% | 0.38% | 1.71% |
| 22 | -0.30% | 1.82% | 0.35% | 0.32% | 0.02% | 1.07% |
| 23 | -0.16% | 0.55% | 0.05% | 0.13% | -0.06% | 0.34% |
| 24 | -4.72% | -5.66% | 0.77% | -1.14% | -1.98% | -3.40% |
| 25 | -7.65% | -10.14% | 1.10% | -2.39% | -3.27% | -6.27% |
| 26 | -1.75% | -1.40% | 0.28% | -0.20% | -0.73% | -0.80% |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| China - % Change in Surplus for All Crops | | | | | | |
|  | **% Change in**  **Consumer Surplus** | | **% Change in**  **Producer Surplus** | | **% Change in**  **Total Surplus** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -19.56% | -34.96% | 3.34% | -6.78% | -8.11% | -20.87% |
| 2 | -15.85% | -25.72% | 3.52% | -3.25% | -6.16% | -14.49% |
| 3 | -15.02% | -26.71% | 2.84% | -3.46% | -6.09% | -15.08% |
| 4 | -13.96% | -23.39% | 3.10% | -2.47% | -5.43% | -12.93% |
| 5 | -15.23% | -28.03% | 2.68% | -3.86% | -6.27% | -15.94% |
| 6 | -14.27% | -26.40% | 2.75% | -3.19% | -5.76% | -14.80% |
| 7 | -13.14% | -22.44% | 2.78% | -2.29% | -5.18% | -12.37% |
| 8 | -17.65% | -31.13% | 3.45% | -4.97% | -7.10% | -18.05% |
| 9 | -6.99% | -13.10% | 0.90% | -0.63% | -3.04% | -6.86% |
| 10 | -12.66% | -26.94% | 1.18% | -3.40% | -5.74% | -15.17% |
| 11 | -6.58% | -10.90% | 1.41% | -0.40% | -2.58% | -5.65% |
| 12 | -6.09% | -11.31% | 1.02% | -0.30% | -2.53% | -5.80% |
| 13 | -8.97% | -17.84% | 1.22% | -1.16% | -3.87% | -9.50% |
| 14 | -7.88% | -16.48% | 0.62% | -1.01% | -3.63% | -8.75% |
| 15 | -5.40% | -10.41% | 1.17% | -0.12% | -2.12% | -5.27% |
| 16 | -4.01% | -5.03% | 1.39% | -0.00% | -1.31% | -2.52% |
| 17 | -6.90% | -13.23% | 0.74% | -0.59% | -3.08% | -6.91% |
| 18 | -4.10% | -8.90% | 0.59% | 0.02% | -1.75% | -4.44% |
| 19 | -0.63% | -1.66% | -0.26% | -0.05% | -0.44% | -0.86% |
| 20 | -7.79% | -14.00% | 1.32% | -0.72% | -3.24% | -7.36% |
| 21 | -4.75% | -9.20% | 0.84% | -0.13% | -1.95% | -4.67% |
| 22 | -1.84% | -1.34% | 1.05% | -0.07% | -0.39% | -0.70% |
| 23 | -1.04% | -3.03% | -0.31% | 0.05% | -0.68% | -1.49% |
| 24 | -5.16% | -9.26% | 1.08% | -0.10% | -2.04% | -4.68% |
| 25 | -0.50% | 2.82% | 1.03% | -0.30% | 0.26% | 1.26% |
| 26 | -4.32% | -9.58% | 0.20% | -0.14% | -2.06% | -4.86% |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| India - % Change in Surplus for All Crops | | | | | | |
|  | **% Change in**  **Consumer Surplus** | | **% Change in**  **Producer Surplus** | | **% Change in**  **Total Surplus** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -0.48% | 10.67% | 2.15% | 0.09% | 0.83% | 5.38% |
| 2 | -7.42% | 1.44% | 2.74% | -1.47% | -2.34% | -0.01% |
| 3 | 7.84% | 31.63% | 2.44% | -2.95% | 5.14% | 14.34% |
| 4 | -4.95% | 1.99% | 2.25% | -0.42% | -1.35% | 0.79% |
| 5 | -2.87% | 1.49% | 1.58% | -0.03% | -0.65% | 0.73% |
| 6 | 6.43% | 20.43% | 1.87% | -0.37% | 4.15% | 10.03% |
| 7 | -6.00% | -2.45% | 1.92% | -0.81% | -2.04% | -1.63% |
| 8 | -3.09% | 1.47% | 2.20% | 0.34% | -0.45% | 0.90% |
| 9 | -7.77% | -10.30% | 1.02% | -2.20% | -3.38% | -6.25% |
| 10 | 8.85% | 22.10% | 0.66% | -0.59% | 4.75% | 10.75% |
| 11 | -9.97% | -17.53% | 1.38% | -3.36% | -4.29% | -10.45% |
| 12 | -9.24% | -14.70% | 1.11% | -2.98% | -4.07% | -8.84% |
| 13 | -5.17% | -5.78% | 0.91% | -1.16% | -2.13% | -3.47% |
| 14 | -0.44% | 4.63% | 0.55% | -0.37% | 0.05% | 2.13% |
| 15 | 0.83% | 4.99% | 0.61% | 0.13% | 0.72% | 2.56% |
| 16 | -12.25% | -18.21% | 1.56% | -4.46% | -5.35% | -11.33% |
| 17 | -7.39% | -7.84% | 1.03% | -2.11% | -3.18% | -4.97% |
| 18 | 0.31% | 1.61% | 0.29% | 0.15% | 0.30% | 0.88% |
| 19 | 11.81% | 29.13% | 0.17% | -2.00% | 5.99% | 13.56% |
| 20 | -7.46% | -7.88% | 1.21% | -2.08% | -3.12% | -4.98% |
| 21 | -4.62% | -9.65% | 0.58% | -1.25% | -2.02% | -5.45% |
| 22 | 0.08% | 1.70% | 0.55% | 0.25% | 0.32% | 0.97% |
| 23 | -1.59% | -3.28% | -0.01% | -0.36% | -0.80% | -1.82% |
| 24 | -10.52% | -18.87% | 1.20% | -3.99% | -4.66% | -11.43% |
| 25 | -6.88% | -10.03% | 1.06% | -1.52% | -2.91% | -5.77% |
| 26 | 2.76% | 8.61% | 0.22% | 0.19% | 1.49% | 4.40% |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| United States - % Change in Surplus for All Crops | | | | | | |
|  | **% Change in**  **Consumer Surplus** | | **% Change in**  **Producer Surplus** | | **% Change in**  **Total Surplus** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -14.85% | -21.44% | 2.50% | -6.91% | -6.17% | -14.17% |
| 2 | -19.70% | -28.95% | 3.35% | -11.21% | -8.17% | -20.08% |
| 3 | -13.38% | -21.02% | 2.30% | -6.50% | -5.54% | -13.76% |
| 4 | -17.80% | -28.13% | 3.00% | -10.51% | -7.40% | -19.32% |
| 5 | -8.96% | -13.02% | 1.79% | -3.39% | -3.58% | -8.21% |
| 6 | -12.92% | -20.40% | 2.21% | -6.59% | -5.35% | -13.50% |
| 7 | -11.84% | -18.16% | 2.19% | -5.15% | -4.83% | -11.66% |
| 8 | -14.70% | -21.33% | 2.62% | -6.55% | -6.04% | -13.94% |
| 9 | -5.15% | -6.66% | 0.85% | -1.39% | -2.15% | -4.03% |
| 10 | -4.30% | -8.94% | 0.62% | -1.29% | -1.84% | -5.12% |
| 11 | -5.04% | -4.01% | 1.14% | -1.50% | -1.95% | -2.75% |
| 12 | -5.31% | -7.27% | 0.94% | -1.85% | -2.18% | -4.56% |
| 13 | -3.44% | -3.32% | 0.79% | -0.55% | -1.32% | -1.93% |
| 14 | -4.87% | -7.43% | 0.64% | -1.87% | -2.11% | -4.65% |
| 15 | -3.52% | -7.03% | 0.71% | -1.06% | -1.40% | -4.04% |
| 16 | -6.69% | -7.82% | 1.23% | -2.00% | -2.73% | -4.91% |
| 17 | -7.80% | -10.52% | 1.06% | -3.25% | -3.37% | -6.89% |
| 18 | -0.02% | 1.00% | 0.26% | 0.38% | 0.12% | 0.69% |
| 19 | -2.03% | -2.82% | 0.12% | -1.61% | -0.96% | -2.21% |
| 20 | -4.44% | -3.83% | 0.99% | -0.77% | -1.73% | -2.30% |
| 21 | -1.78% | -2.19% | 0.51% | -0.48% | -0.63% | -1.33% |
| 22 | -1.74% | -1.50% | 0.59% | -0.22% | -0.57% | -0.86% |
| 23 | -0.00% | 1.16% | -0.06% | -0.21% | -0.03% | 0.47% |
| 24 | -3.44% | -1.50% | 0.85% | -1.01% | -1.29% | -1.25% |
| 25 | -6.12% | -6.69% | 1.03% | -2.09% | -2.54% | -4.39% |
| 26 | -4.24% | -5.15% | 0.53% | -2.71% | -1.86% | -3.93% |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Corn - % Change in Price for each Country | | | | | | | | |
|  | **Brazil** | | **China** | | **India** | | **United States** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -9.12% | -1.13% | 14.15% | 24.62% | -17.28% | -7.63% | 7.38% | 17.05% |
| 2 | -14.93% | -4.86% | 4.15% | 17.33% | -19.12% | -6.98% | 11.08% | 23.26% |
| 3 | -13.70% | -5.87% | 8.07% | 18.32% | -30.29% | -20.84% | 7.08% | 16.55% |
| 4 | -14.05% | -5.04% | 4.10% | 15.89% | -15.04% | -4.18% | 12.00% | 22.89% |
| 5 | -12.09% | -4.86% | 9.98% | 19.44% | -10.58% | -1.86% | 0.01% | 8.75% |
| 6 | -13.67% | -5.87% | 8.53% | 18.74% | -17.11% | -7.70% | 5.99% | 15.42% |
| 7 | -11.17% | -3.10% | 4.45% | 15.02% | -11.09% | -1.35% | 3.91% | 13.67% |
| 8 | -12.94% | -3.57% | 9.76% | 22.02% | -8.92% | 2.38% | 6.52% | 17.86% |
| 9 | -9.77% | -7.48% | 5.35% | 8.34% | 0.73% | 3.49% | 1.72% | 4.49% |
| 10 | -10.74% | -8.61% | 16.18% | 18.97% | -12.79% | -10.22% | 5.57% | 8.15% |
| 11 | -5.77% | -1.69% | 1.50% | 6.85% | 8.28% | 13.20% | -4.13% | 0.81% |
| 12 | -4.80% | -1.88% | 3.61% | 7.42% | 4.33% | 7.84% | 0.42% | 3.94% |
| 13 | -7.67% | -4.35% | 7.70% | 12.04% | -2.80% | 1.20% | -1.34% | 2.67% |
| 14 | -8.28% | -6.97% | 9.17% | 10.88% | -7.72% | -6.14% | 3.45% | 5.04% |
| 15 | -7.94% | -4.15% | 2.10% | 7.07% | -8.67% | -4.09% | 1.38% | 5.98% |
| 16 | -6.94% | -2.93% | -2.13% | 3.13% | 3.92% | 8.77% | -0.09% | 4.76% |
| 17 | -1.77% | -0.10% | 6.34% | 8.53% | -1.50% | 0.52% | 4.24% | 6.26% |
| 18 | -3.51% | -1.54% | 3.55% | 6.13% | -3.14% | -0.76% | -2.23% | 0.16% |
| 19 | -2.49% | -3.38% | 2.03% | 0.86% | -15.70% | -16.78% | 1.05% | -0.03% |
| 20 | -2.11% | 1.56% | 4.19% | 8.99% | -3.77% | 0.65% | -2.08% | 2.36% |
| 21 | -4.95% | -2.30% | 2.53% | 5.99% | 4.62% | 7.81% | -2.28% | 0.92% |
| 22 | -5.20% | -1.99% | -3.56% | 0.64% | -3.78% | 0.10% | -3.07% | 0.81% |
| 23 | -0.47% | -1.53% | 3.30% | 1.92% | 3.23% | 1.96% | -0.51% | -1.79% |
| 24 | -1.38% | 1.85% | 1.89% | 6.12% | 8.57% | 12.47% | -4.10% | -0.19% |
| 25 | 1.91% | 4.50% | -5.45% | -2.06% | 3.17% | 6.29% | -0.03% | 3.10% |
| 26 | -1.81% | -1.37% | 5.69% | 6.28% | -6.58% | -6.04% | 0.49% | 1.03% |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Corn - % Change in Quantity for each Country | | | | | | | | |
|  | **Brazil** | | **China** | | **India** | | **United States** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -2.45% | 0.91% | -21.25% | -19.89% | 4.14% | 6.17% | -15.78% | -13.78% |
| 2 | -0.30% | 3.93% | -15.71% | -14.00% | 3.09% | 5.64% | -21.31% | -18.79% |
| 3 | 1.46% | 4.75% | -16.14% | -14.80% | 14.86% | 16.84% | -15.33% | -13.37% |
| 4 | 0.29% | 4.08% | -14.37% | -12.84% | 1.10% | 3.38% | -20.75% | -18.50% |
| 5 | 0.89% | 3.93% | -16.94% | -15.71% | -0.33% | 1.50% | -8.88% | -7.07% |
| 6 | 1.47% | 4.74% | -16.47% | -15.14% | 4.25% | 6.22% | -14.41% | -12.46% |
| 7 | -0.89% | 2.50% | -13.51% | -12.13% | -0.95% | 1.09% | -13.07% | -11.05% |
| 8 | -1.05% | 2.88% | -19.39% | -17.79% | -4.29% | -1.92% | -16.77% | -14.43% |
| 9 | 5.08% | 6.04% | -7.13% | -6.74% | -3.40% | -2.82% | -4.20% | -3.62% |
| 10 | 6.06% | 6.95% | -15.69% | -15.33% | 7.72% | 8.26% | -7.12% | -6.58% |
| 11 | -0.35% | 1.36% | -6.23% | -5.53% | -11.70% | -10.67% | -1.68% | -0.65% |
| 12 | 0.30% | 1.52% | -6.49% | -6.00% | -7.07% | -6.34% | -3.92% | -3.19% |
| 13 | 2.12% | 3.52% | -10.29% | -9.73% | -1.81% | -0.97% | -2.98% | -2.15% |
| 14 | 5.08% | 5.63% | -9.01% | -8.79% | 4.63% | 4.96% | -4.40% | -4.07% |
| 15 | 1.76% | 3.35% | -6.36% | -5.71% | 2.34% | 3.30% | -5.78% | -4.83% |
| 16 | 0.68% | 2.37% | -3.21% | -2.53% | -8.10% | -7.08% | -4.86% | -3.85% |
| 17 | -0.62% | 0.08% | -7.17% | -6.89% | -0.84% | -0.42% | -5.48% | -5.06% |
| 18 | 0.42% | 1.25% | -5.29% | -4.95% | 0.12% | 0.62% | -0.62% | -0.13% |
| 19 | 3.11% | 2.73% | -0.54% | -0.69% | 13.79% | 13.56% | 0.25% | 0.02% |
| 20 | -2.80% | -1.26% | -7.89% | -7.26% | -1.45% | -0.53% | -2.82% | -1.90% |
| 21 | 0.75% | 1.86% | -5.29% | -4.84% | -6.98% | -6.31% | -1.41% | -0.74% |
| 22 | 0.26% | 1.61% | -1.06% | -0.52% | -0.89% | -0.08% | -1.46% | -0.65% |
| 23 | 1.68% | 1.24% | -1.37% | -1.55% | -1.31% | -1.58% | 1.71% | 1.45% |
| 24 | -2.85% | -1.49% | -5.49% | -4.94% | -10.89% | -10.08% | -0.66% | 0.15% |
| 25 | -4.72% | -3.63% | 1.22% | 1.66% | -5.74% | -5.08% | -3.16% | -2.51% |
| 26 | 0.92% | 1.10% | -5.15% | -5.07% | 4.77% | 4.88% | -0.94% | -0.83% |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Soybean - % Change in Price for each Country | | | | | | | | |
|  | **Brazil** | | **China** | | **India** | | **United States** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -12.68% | -0.18% | 6.69% | 18.10% | -17.26% | -4.98% | 0.72% | 10.20% |
| 2 | -18.71% | -3.02% | 0.72% | 15.03% | -8.56% | 6.86% | 2.14% | 14.04% |
| 3 | -11.23% | -1.33% | 4.25% | 13.29% | -24.75% | -15.02% | 1.99% | 9.50% |
| 4 | -18.27% | -5.69% | -0.03% | 11.45% | -9.93% | 2.43% | 3.42% | 12.97% |
| 5 | -11.77% | -4.02% | 5.75% | 12.83% | -7.39% | 0.23% | 0.42% | 6.31% |
| 6 | -16.25% | -8.15% | 0.32% | 7.72% | -25.09% | -17.12% | 4.32% | 10.47% |
| 7 | -13.96% | -4.08% | 3.53% | 12.55% | -4.63% | 5.09% | 0.38% | 7.88% |
| 8 | -13.09% | -0.60% | 1.27% | 12.67% | -17.02% | -4.75% | -0.48% | 9.00% |
| 9 | -16.04% | -9.96% | 3.28% | 8.84% | 4.36% | 10.34% | -1.38% | 3.24% |
| 10 | -6.36% | -3.31% | 6.65% | 9.43% | -19.25% | -16.25% | -0.46% | 1.85% |
| 11 | -7.77% | -1.16% | 1.74% | 7.76% | 2.71% | 9.20% | -1.02% | 3.99% |
| 12 | -7.46% | -2.09% | 0.42% | 5.31% | 6.17% | 11.44% | 0.26% | 4.33% |
| 13 | -9.13% | -4.64% | 3.47% | 7.56% | 2.21% | 6.62% | -2.09% | 1.31% |
| 14 | -9.83% | -5.93% | 5.13% | 8.69% | -2.56% | 1.27% | 1.32% | 4.28% |
| 15 | -6.14% | -4.68% | 1.29% | 2.62% | -3.23% | -1.80% | 0.90% | 2.00% |
| 16 | -8.91% | -1.35% | -3.52% | 3.37% | 8.21% | 15.64% | -1.08% | 4.66% |
| 17 | -6.31% | 1.00% | 1.32% | 8.00% | 3.33% | 10.52% | 1.63% | 7.18% |
| 18 | 0.48% | 1.10% | 0.74% | 1.31% | -1.88% | -1.27% | -1.76% | -1.29% |
| 19 | -2.14% | -1.56% | 2.10% | 2.63% | -17.56% | -16.99% | 3.82% | 4.26% |
| 20 | -2.82% | 3.69% | 3.05% | 9.00% | 3.99% | 10.40% | -2.94% | 2.00% |
| 21 | -3.06% | -1.62% | 3.10% | 4.42% | 2.71% | 4.12% | 0.30% | 1.39% |
| 22 | -2.82% | -0.77% | 0.74% | 2.61% | -4.42% | -2.41% | -0.89% | 0.66% |
| 23 | -0.81% | 0.13% | 0.81% | 1.67% | 1.23% | 2.16% | -0.10% | 0.61% |
| 24 | -0.39% | 4.24% | -0.62% | 3.61% | 7.52% | 12.07% | -0.81% | 2.71% |
| 25 | 0.15% | 7.23% | -5.19% | 1.27% | -0.49% | 6.46% | -0.17% | 5.20% |
| 26 | -0.36% | 1.78% | 2.33% | 4.28% | -6.31% | -4.22% | 5.09% | 6.71% |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Soybean - % Change in Quantity for each Country | | | | | | | | |
|  | **Brazil** | | **China** | | **India** | | **United States** | |
| Year | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** | **MM** | **PE** |
| 1 | -4.10% | 0.14% | -19.75% | -14.62% | -0.40% | 4.02% | -14.93% | -8.24% |
| 2 | -2.89% | 2.44% | -18.59% | -12.15% | -11.10% | -5.55% | -19.74% | -11.35% |
| 3 | -2.29% | 1.07% | -14.80% | -10.74% | 8.63% | 12.13% | -12.97% | -7.68% |
| 4 | 0.32% | 4.60% | -14.42% | -9.25% | -6.41% | -1.96% | -17.21% | -10.48% |
| 5 | 0.61% | 3.25% | -13.55% | -10.37% | -2.93% | -0.18% | -9.24% | -5.10% |
| 6 | 3.83% | 6.58% | -9.56% | -6.24% | 10.97% | 13.84% | -12.79% | -8.46% |
| 7 | -0.06% | 3.30% | -14.20% | -10.14% | -7.61% | -4.11% | -11.65% | -6.36% |
| 8 | -3.76% | 0.48% | -15.37% | -10.24% | -0.58% | 3.83% | -13.95% | -7.27% |
| 9 | 5.98% | 8.05% | -9.64% | -7.14% | -10.51% | -8.36% | -5.87% | -2.62% |
| 10 | 1.64% | 2.68% | -8.87% | -7.62% | 12.06% | 13.13% | -3.12% | -1.49% |
| 11 | -1.30% | 0.94% | -8.98% | -6.27% | -9.77% | -7.44% | -6.76% | -3.23% |
| 12 | -0.13% | 1.69% | -6.49% | -4.29% | -11.14% | -9.24% | -6.37% | -3.50% |
| 13 | 2.23% | 3.75% | -7.95% | -6.11% | -6.93% | -5.35% | -3.46% | -1.06% |
| 14 | 3.47% | 4.79% | -8.62% | -7.02% | -2.41% | -1.03% | -5.54% | -3.46% |
| 15 | 3.29% | 3.78% | -2.72% | -2.12% | 0.94% | 1.45% | -2.40% | -1.62% |
| 16 | -1.48% | 1.09% | -5.83% | -2.73% | -15.31% | -12.64% | -7.81% | -3.76% |
| 17 | -3.30% | -0.81% | -9.46% | -6.46% | -11.09% | -8.50% | -9.71% | -5.80% |
| 18 | -1.10% | -0.89% | -1.31% | -1.06% | 0.80% | 1.02% | 0.71% | 1.04% |
| 19 | 1.06% | 1.26% | -2.36% | -2.12% | 13.52% | 13.73% | -3.75% | -3.44% |
| 20 | -5.20% | -2.99% | -9.95% | -7.27% | -10.71% | -8.40% | -5.11% | -1.62% |
| 21 | 0.82% | 1.31% | -4.16% | -3.57% | -3.84% | -3.33% | -1.89% | -1.12% |
| 22 | -0.07% | 0.62% | -2.95% | -2.11% | 1.22% | 1.94% | -1.63% | -0.54% |
| 23 | -0.43% | -0.11% | -1.74% | -1.35% | -2.08% | -1.75% | -1.00% | -0.50% |
| 24 | -5.00% | -3.43% | -4.82% | -2.92% | -11.39% | -9.75% | -4.67% | -2.19% |
| 25 | -8.25% | -5.84% | -3.93% | -1.03% | -7.73% | -5.22% | -7.98% | -4.20% |
| 26 | -2.16% | -1.43% | -4.33% | -3.46% | 2.65% | 3.41% | -6.56% | -5.42% |

|  |  |  |
| --- | --- | --- |
| % Change in Calories for all Countries | | |
| Year | **MM** | **PE** |
| 1 | -13.10% | -9.97% |
| 2 | -15.11% | -11.17% |
| 3 | -11.44% | -8.69% |
| 4 | -13.27% | -9.95% |
| 5 | -8.87% | -6.53% |
| 6 | -10.33% | -7.84% |
| 7 | -9.79% | -7.01% |
| 8 | -12.63% | -9.26% |
| 9 | -3.35% | -2.11% |
| 10 | -5.19% | -4.39% |
| 11 | -3.59% | -1.96% |
| 12 | -4.39% | -3.14% |
| 13 | -4.08% | -2.88% |
| 14 | -3.43% | -2.66% |
| 15 | -3.40% | -2.53% |
| 16 | -4.79% | -3.04% |
| 17 | -5.60% | -4.30% |
| 18 | -1.83% | -1.39% |
| 19 | -0.01% | -0.09% |
| 20 | -4.75% | -3.21% |
| 21 | -1.95% | -1.28% |
| 22 | -1.77% | -0.92% |
| 23 | 0.35% | 0.30% |
| 24 | -3.43% | -2.22% |
| 25 | -4.18% | -2.75% |
| 26 | -2.52% | -2.15% |