Food security and nutrition in Mexico
An overview

Food and Agriculture Organization of the United Nations
12th November 2013, Mexico City
PROGRESS TOWARDS
Millennium Development Goal One

HUNGER TARGET SINCE 1990-92

Legend
- Target already met or expected to be met by 2015 or previous < 5%
- Progress insufficient to reach the target if prevailing trends persist
- No progress or deterioration
- Falling or insufficient rates
- Not assessed

Data Sources
- Progress towards MDG target: UN Population Division (UNPD)
- Political boundaries: UNECE GeoInformation (UNEGI)
- Global relief: ESRI (Environmental Systems Research Institute) World Infra Data
- ABD Land and Water Division (UNW)

Notes
- Target: 60% of the first Millennium Development Goal is to halve, between 1990 and 2015, the proportion of people who suffer from hunger. The calculation of progress compares the estimated share of the hungry for 1990-92 with the share estimated for 1999-2001. The assessment for 2015 assumes continuation of current trends. The assessment is not rebased for developed economies.
- South Sudan declared its independence on 9 July 2011. Data for Sudan (pre-2011) and South Sudan are not yet available.
Overview of food insecurity in the world

Undernourishment in the developing regions: actual progress and target achievement trajectories towards the MDG and WFS targets

<table>
<thead>
<tr>
<th>Millions</th>
<th>Percentage undernourished</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990-92</td>
<td>Number (left axis)</td>
</tr>
<tr>
<td>1000</td>
<td>905</td>
</tr>
<tr>
<td>900</td>
<td>939</td>
</tr>
<tr>
<td>800</td>
<td>893</td>
</tr>
<tr>
<td>700</td>
<td>863</td>
</tr>
<tr>
<td>600</td>
<td>827</td>
</tr>
<tr>
<td>500</td>
<td>23.6%</td>
</tr>
<tr>
<td>400</td>
<td>18.8%</td>
</tr>
<tr>
<td>300</td>
<td>16.7%</td>
</tr>
<tr>
<td>200</td>
<td>15.5%</td>
</tr>
<tr>
<td>100</td>
<td>14.3%</td>
</tr>
</tbody>
</table>

Note: Data for 2011–13 in all graphics refer to provisional estimates.

Undernourishment in 2011–13, by region (millions)

- Total = 842 million
- Oceania: 1
- Caucasus and Central Asia: 6
- Developed regions: 16
- Western Asia and Northern Africa: 24
- Latin America and the Caribbean: 47
- South-Eastern Asia: 65
- Eastern Asia: 167
- Sub-Saharan Africa: 223
- Southern Asia: 295

Source: FAO.
Progress per region 2011-13

Regions differ markedly in progress towards achieving the MDG and WFS hunger targets.
• Food price crisis brought food security to the front page of the political agendas internationally
Food security and nutrition in Mexico

• Have mexicans access to sufficient amounts of food for a normal life?

• What about their nutrition status?
Physical and economical access to sufficient safe and nutritious food to satisfy nutritional needs of people and their food preferences, to be able to live an active and healthy life.
Mexican food exports 2012 by tariff group

US $10.4 billion

- Legumes and vegetables: 39.3%
- Edible fruits: 24.3%
- Meat and edible offal: 9.7%
- Coffee, tea, and spices: 6.5%
- Fish and crustacean: 6.5%
- Live animals: 5.5%
- Cereals: 3.4%
- Dairy, eggs and honey: 1.8%
- Milling products: 1.2%
- Seeds, fruits and oilseeds: 1.1%
- Live plants and flowers: 0.5%
- Other animal products: 0.2%

SIAP 2012
Mexico: agricultural trade balance (millions of dollars)

Source: Banxico
Imports of basic foods in Mexico- 2012

◊ Less than 5%  (Egg, white Maize and Coffee)
◊ From 5% to 10%  (Sugar)
◊ From 10% to 30%  (Milk, Beans, Poultry meat and Sorghum)
◊ Del 30 al 40%  (Bovine ans Swine meat)
◊ Más de 40%  (Wheat, yellow Maize, Rice and Soya)
Sales by segment of farmers

Segments

<table>
<thead>
<tr>
<th>Segment</th>
<th>REU</th>
<th>Sales</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>22.4%</td>
<td>0.0%</td>
</tr>
<tr>
<td>E2</td>
<td>7.5%</td>
<td>50.6%</td>
</tr>
<tr>
<td>E3</td>
<td>8.3%</td>
<td>8.4%</td>
</tr>
<tr>
<td>E4</td>
<td>9.9%</td>
<td>13.0%</td>
</tr>
<tr>
<td>E5</td>
<td>8.4%</td>
<td>40.8%</td>
</tr>
<tr>
<td>E6</td>
<td>0.3%</td>
<td>33.4%</td>
</tr>
</tbody>
</table>
Modern agriculture in Nuevo Leon
Sinaloa
Michoacan
Jalisco
Small agriculture in Chiapas
Small agriculture in EdoMex
México: labor income and cost of food basket quarterly (current pesos)

Source: CONEVAL
Food poverty
(Percentage by income)

1992 - 2012

Notas: las estimaciones de 2005, 2008, 2010 y 2012 utilizan los factores de expansión ajustados a los resultados definitivos del Censo de Población y Vivienda 2010, estimados por INEGI.
Fuente: estimaciones del CONEVAL con base en las ENIGH de 1992 a 2012

Fuente: CONEVAL. 2013
Levels of food insecurity in Mexico

Seguridad alimentaria | Inseguridad alimentaria leve | Inseguridad alimentaria moderada | Inseguridad alimentaria severa

Millones de Personas

<table>
<thead>
<tr>
<th>Seguridad alimentaria</th>
<th>Inseguridad alimentaria leve</th>
<th>Inseguridad alimentaria moderada</th>
<th>Inseguridad alimentaria severa</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.8</td>
<td>20.6</td>
<td>16.0</td>
<td>11.3</td>
</tr>
</tbody>
</table>

Fuente: Coneval 2013.
Prevalence of chronic undernourishment of indigenous people

**Fuente:** INSP, Encuesta Nacional de Salud y Nutrición, 2012
Population with low access to food in percentage

Fuente: CONEVAL, 2013
Strategic food security Project-PESA

PESA States
- States incorporated in 2013
  - Rural Development Agencies*

Projects carried out in 2012 nationwide
- Food production 178,132 projects
- Income generation 30,228 projects

Beneficiaries 2012
- 8,968 locations
- of 883 municipalities
- in 16 states
Model of a PESA community

- Water
- Poultry
- Greenhouses
- Organization
- Milpa Fruits
- Vegetables
- Honey culture
- Avocado
The Intergovernmental Committee for the Safeguarding of the Intangible Cultural Heritage has inscribed

Traditional Mexican cuisine – ancestral, ongoing community culture, the Michoacán paradigm

on the Representative List of the Intangible Cultural Heritage of Humanity upon the proposal of Mexico

Inscription on this List contributes to ensuring better visibility of the intangible cultural heritage and awareness of its significance, and to encouraging dialogue which respects cultural diversity

Date of inscription
16 November 2010

Director-General of UNESCO
[Signature]
Annual average expenditure on food per household (percent).

Total annual expenditure: $34,753 mxn

Source: INEGI
Annual average expenditure on food per household (percent) for the first decile

Total annual expenditure $ 16,380 mxn

- Cereals, 22.0%
- Meat, 15.6%
- Vegetables, 14.5%
- Vegetables oils, 2.6%
- Tubers, 1.8%
- Eggs, 5.4%
- Milk, 7.2%
- Fish, 1.7%
- Sugar, 2.1%
- Coffee, 1.4%
- Species, 0.8%
- Other food, 4.6%
- Tobacco, 0.6%
- Outside home, 10.3%
Overweight and obesity in children and adolescents

Overweight and obesity in children from 5 to 11

- 1999: Overweight 9.0%, Obesity 17.9%
- 2006: Overweight 14.6%, Obesity 20.2%
- 2012: Overweight 14.6%, Obesity 19.8%

Overweight and obesity in adolescents from 12 to 19

- 2006: Overweight 11.9%, Obesity 21.6%
- 2012: Overweight 13.3%, Obesity 21.3%
Overweight and obesity in adults in Mexico
School orchards

Nutritional education is key to improve the double charge of malnutrition
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¡MUCHAS GRACIAS!