Organic Agriculture Worldwide: Current Statistics

Helga Willer, Research Institute of Organic Agriculture (FiBL), Frick, Switzerland

Acknowledgements

› International Trade Centre, Geneva

› The Swiss State Secretariat of Economic Affairs SECO, Berne

› Nürnberg Messe, the organizers of the BioFach Organic Trade Fair

› This work would not be possible without the support of the 200 experts who contribute to the making of «The World of Organic Agriculture»
The World of Organic Agriculture 2011 and 2012
www.organic-world.net
Key data/indicators related to area and producers 2010

› 160 countries have data on organic agriculture.
› 37 million hectares of agricultural land are organic (including conversion areas).
› 0.9 percent of the agricultural land is organic, and 7 countries have more than ten percent organic agricultural land.
› The organic agricultural land remained steady compared with 2009.
› There are 43 million hectares of further, non agricultural areas (up from 41 million hectares).
› 1.6 million producers were reported, more than three quarters are in developing countries.
FiBL-IFOAM-Survey: Number of countries and territories covered

Table 1: Countries and territories covered by the global survey on organic agriculture 2010

<table>
<thead>
<tr>
<th>Region</th>
<th>Countries* with data on organic agriculture</th>
<th>Countries per region</th>
<th>Share of countries that provided data (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>37</td>
<td>57</td>
<td>65</td>
</tr>
<tr>
<td>Asia</td>
<td>37</td>
<td>49</td>
<td>76</td>
</tr>
<tr>
<td>Europe</td>
<td>45</td>
<td>46</td>
<td>98</td>
</tr>
<tr>
<td>South &amp; Central America, Caribbean</td>
<td>29</td>
<td>45</td>
<td>64</td>
</tr>
<tr>
<td>North America</td>
<td>2</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>Oceania</td>
<td>10</td>
<td>13</td>
<td>77</td>
</tr>
<tr>
<td>World</td>
<td>160</td>
<td>214</td>
<td>75</td>
</tr>
</tbody>
</table>

Source: FiBL-IFOAM Survey 2012
Data collection systems of area and operator data

- Governments: 70; 44%
- FiBL-IFOAM: 55; 34%
- Private sector: 35; 22%

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Organic agricultural land and other areas 2010

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Distribution of organic agricultural land by region 2010

- Oceania: 33%
- Europe: 27%
- Latin America: 23%
- Africa: 3%
- Northern America: 7%
- Asia: 7%
- Africa: 3%

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
The ten countries with the most organic agricultural land 2010

- Australia (2009): 12.00
- Argentina: 4.18
- United States (2008): 1.95
- Brazil (2007): 1.77
- Spain: 1.46
- China: 1.39
- Italy: 1.11
- Germany: 0.99
- Uruguay (2006): 0.93
- France: 0.85

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Shares of organic agricultural land in the regions 2010

<table>
<thead>
<tr>
<th>Region</th>
<th>Organic agr. land [ha]</th>
<th>Share of total agr. land</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>1'075'829€</td>
<td>0.1%€</td>
</tr>
<tr>
<td>Asia</td>
<td>2'778'291€</td>
<td>0.2%€</td>
</tr>
<tr>
<td>Europe</td>
<td>10'002'087€</td>
<td>2.1%€</td>
</tr>
<tr>
<td>Latin America</td>
<td>8'389'459€</td>
<td>1.4%€</td>
</tr>
<tr>
<td>Northern America</td>
<td>2'652'624€</td>
<td>0.7%€</td>
</tr>
<tr>
<td>Oceania</td>
<td>12'144'984€</td>
<td>2.9%€</td>
</tr>
<tr>
<td>Total</td>
<td>37'041'004€</td>
<td>0.9%€</td>
</tr>
</tbody>
</table>

Source: FiBL-IFOAM Survey 2012.

(European Union: 5.1 %)
The countries with the highest shares of organic agricultural land 2010

- Falkland Islands (Malvinas): 35.9%
- Liechtenstein: 27.3%
- Austria: 19.7%
- Sweden: 14.1%
- Estonia: 12.5%
- Switzerland: 11.4%
- Czech Republic: 10.5%
- Latvia: 9.4%
- Slovakia: 9.0%
- Italy: 8.7%

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Distribution of organic shares 2010

- 97 countries, 63%
- 33 countries, 21%
- 18 countries, 12%
- 7 countries, 4%

More than 10% organic
Between 5-10% organic
Between 1-5% organic
Less than 1% organic
Growth of the organic agricultural land 1999-2010

Source: FiBL-IFOAM-SOEL Surveys 2000-2012, based on data from governments, the private sector and certifiers.
Development of organic agricultural land in the regions 1999-2010
Europe: Development of organic agricultural land
1985-2010

Million Hectares

<table>
<thead>
<tr>
<th>Year</th>
<th>Million Hectares</th>
</tr>
</thead>
<tbody>
<tr>
<td>1985</td>
<td>0.1</td>
</tr>
<tr>
<td>1987</td>
<td>0.1</td>
</tr>
<tr>
<td>1989</td>
<td>0.2</td>
</tr>
<tr>
<td>1991</td>
<td>0.3</td>
</tr>
<tr>
<td>1993</td>
<td>0.5</td>
</tr>
<tr>
<td>1995</td>
<td>0.6</td>
</tr>
<tr>
<td>1997</td>
<td>0.8</td>
</tr>
<tr>
<td>1999</td>
<td>1.0</td>
</tr>
<tr>
<td>2001</td>
<td>1.4</td>
</tr>
<tr>
<td>2003</td>
<td>1.8</td>
</tr>
<tr>
<td>2005</td>
<td>2.3</td>
</tr>
<tr>
<td>2007</td>
<td>2.9</td>
</tr>
<tr>
<td>2009</td>
<td>3.7</td>
</tr>
<tr>
<td>2011</td>
<td>4.5</td>
</tr>
<tr>
<td>2013</td>
<td>5.4</td>
</tr>
<tr>
<td>2015</td>
<td>5.8</td>
</tr>
<tr>
<td>2017</td>
<td>6.2</td>
</tr>
<tr>
<td>2019</td>
<td>6.4</td>
</tr>
<tr>
<td>2021</td>
<td>6.8</td>
</tr>
<tr>
<td>2023</td>
<td>7.3</td>
</tr>
<tr>
<td>2025</td>
<td>7.8</td>
</tr>
<tr>
<td>2027</td>
<td>8.3</td>
</tr>
<tr>
<td>2029</td>
<td>9.2</td>
</tr>
<tr>
<td>2031</td>
<td>10.0</td>
</tr>
</tbody>
</table>

www.fibl.org
The ten countries with the largest increase of organic farmland 2010

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Further organic areas

- Apart from the organic agricultural land there are further organic areas, the largest part of these are wild collection areas and areas for beekeeping.
- Furthermore there are aquaculture, forest and grazing areas on non-agricultural land.
- It should be noted that many countries do not report these areas, as they only communicate the agricultural land.
- The total for these areas was 43 million hectares, constituting an increase of 2 million hectares compared with 2009.
Organic agricultural land and other areas 2010

Other areas 54%

Organic agricultural land 46%

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Growth of the organic agricultural land and of wild collection areas 1999-2010

Source: FiBL-IFOAM-SOEL Surveys 2000-2012, based on data from governments, the private sector and certifiers.
Wild collection by continent and the ten countries with the largest wild collection areas 2010

- Africa 38%
- Europe 31%
- Latin America 19%
- Asia 11%
- North America 1%

Countries with the largest wild collection areas:

- Finland: 7.80 Million hectares
- Brazil: 6.20 Million hectares
- Cameroon: 6.00 Million hectares
- Zambia: 5.91 Million hectares
- India: 3.65 Million hectares
- Namibia: 3.00 Million hectares
- Russian Federation: 2.18 Million hectares
- China: 0.90 Million hectares
- Bolivia: 0.83 Million hectares
- Serbia: 0.82 Million hectares
Land use and key crops 2010

Land use types 2010
- Perm. Grassland: 64%
- Perm. crops: 7%
- Arable crops: 17%
- No details: 11%
- Other agr. land: 1%

Key arable crops
- Cereals: 2.51
- Green fodder from...: 2.03
- Oilseeds: 0.47
- Protein crops: 0.30
- Vegetables: 0.27

Key permanent crops
- Coffee: 0.64
- Olives: 0.50
- Cocoa: 0.29
- Nuts: 0.26
- Grapes: 0.22
Land use in organic agriculture 2010

- Agricultural land and crops, no details
- Other agricultural land
- Permanent grassland
- Permanent crops
- Arable crops

- Africa
- Asia
- Europe
- Latin America
- Northern America
- Oceania
- World
Development of organic land uses

- Arable crops
- Permanent crops
- Permanent grassland/grazing

Hectares

Millions

2004 2005 2006 2007 2008 2009 2010

21.8 19.9 20.3 20.0 22.3 23.6 23.7

0.9 1.2 1.4 1.9 1.9 2.5 2.7

3.4 4.0 4.3 4.6 4.9 5.7 6.1

0.0 5.0 10.0 15.0 20.0 25.0
The ten countries with the most organic agricultural land 2010

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Use of arable land (total: 6.1 million hectares)

- Cereals: 41%
- Green fodder from arable land: 33%
- Oilseeds: 8%
- Protein crops: 5%
- Vegetables: 4%
- Others: 9%
Use of permanent crop land (total 2.7 million hectares)

- Coffee: 24%
- Olives: 19%
- Cocoa: 11%
- Nuts: 10%
- Grapes: 8%
- Fruit, tropical and subtropical: 7%
- Others: 21%
Organic producers 2010

- For the current survey, a total of 1.6 million organic producers was reported.
- According to the data obtained, more than three quarters of the producers are located in developing and transition countries.
- The country with the most producers is India, followed by Uganda and Mexico.
- It should be noted that not all certifiers reported the number of producers; their number is probably higher than 1.6 million.
- Outlook 2011 data: At BioFach 2012 India announced that there are 1 million organic farmers in the country now – so globally there must be more then 2 million producers.
Distribution of organic producers by region 2010

- Africa: 34%
- Asia: 29%
- Europe: 18%
- Latin America: 17%
- Northern America: 1%
- Oceania: 1%

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
The ten countries with the most organic producers 2010

India: 400'551
Uganda: 188'625
Mexico (2008): 128'862
Ethiopia: 123'062
Tanzania (2008): 85'366
Peru: 44'827
Turkey: 43'096
Italy: 41'807
Spain: 27'877

Source: FiBL-IFOAM Survey 2012, based on data from governments, the private sector and certifiers.
Organic farming in developing & transition countries and emerging markets 2010

› About one third of the world’s organic agricultural land – 12.5 million hectares - is located in developing/transition countries and in emerging markets.* Most of this land is in Latin American countries, with Asia and Africa in second and third place.

› 1.3 million producers are in these countries.

› *Countries listed in the List of Recipients of Official Development Assistance (ODA) of the Development Assistance Committee (DAC) of the Organization for Economic Cooperation and Development (OECD). The list is available at

Organic producers and agricultural land in the countries of the DAC list

Agricultural land (in million hectares)

Other countries: 24.5
Countries on DAC list: 12.5

Producers

Other countries: 0.26
Countries on DAC list: 1.3
Summary

› The organic agricultural land area (37 million hectares in 2010) has remained stable between 2009 and 2010.
› In Europe, however, organic farmland increased however by 9 percent.
› Organic arable and permanent crops increased by six percent, for some crops growth rates were considerably higher.
› 1.6 million organic producers were reported, most of these are in developing/transition and emerging market countries.
› Developments in the year 2010 show that the institutional embedding of organic farming (with support of advice, research, marketing) is important in order to guarantee a constant development of the organic sector.
› For more and more countries data on organic agriculture are available; but data collection and processing need to be improved in many countries, not only on land area and land use and crops grown and operators, but also on market and international trade data.
<table>
<thead>
<tr>
<th>Indicator</th>
<th>World</th>
<th>Leading countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Countries with data on certified organic agriculture</td>
<td>2010: 160 countries</td>
<td></td>
</tr>
<tr>
<td>Share of total agricultural land</td>
<td>2010: 0.9 %</td>
<td>Falkland Islands (Malvinas) (35.9 %) Liechtenstein (27.3 %) Austria (19.7 %)</td>
</tr>
<tr>
<td>Growth of organic agricultural land</td>
<td>2010: -50’000 hectares = -0.1% (2009: +1.9 mio. hectares = +5%; 2008: +2.9 mio. hectares = +9%)</td>
<td>France: +168’000 hectares (+24 %) Poland: +155’000 hectares (+42 %) Spain: +126’000 hectares (+9%)</td>
</tr>
<tr>
<td>Further, non-agricultural organic areas (mainly wild collection)</td>
<td>2010: 43 million hectares (2009: 41 million hectares; 2008: 31.9 million hectares)</td>
<td>Finland (7.8 million hectares) Brazil (6.2 million hectares; 2007) Cameroon (6 million hectares)</td>
</tr>
<tr>
<td>Producers</td>
<td>1.6 million producers (2009: 1.8 million producers; 2008: 1.4 million producers)</td>
<td>India (400’551), Uganda (188’625), Mexico (128’826)</td>
</tr>
<tr>
<td>Organic market size</td>
<td>44.5 billion euros or 59.1 billion US dollars (2009: 54.9 billion US dollars 1999: 15.2 billion US dollars) Source: Organic Monitor</td>
<td>US (20.2 billion euros or 26.7 billion USD, Germany (6 billion euros or 8.4 billion US dollars) France (3.4 billion euros or 4.7 billion US dollars)</td>
</tr>
<tr>
<td>Per capita consumption</td>
<td>2010: 6.5 euros or 8.6 US dollars</td>
<td>Switzerland (153 euros or 213 USD), Denmark (142 euros or 198 USD) Luxemburg (127 euros or 177 USD)</td>
</tr>
<tr>
<td>Number of countries with organic regulations 2010</td>
<td>84 countries (2009: 74 countries)</td>
<td></td>
</tr>
</tbody>
</table>