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Information on the Data Providers and Data Sources

COMPILED BY MAREN ROHWEDDER¹

Afghanistan

- Data source: Certifier data

Albania

- Data provided by Anula Guda, Sustainable Agriculture Support in Albania (SASA)-Project, Albania

Algeria

- Data provided by / Source: Dr. Lina Al Bitar, MOAN, Mediterranean Agronomic Institute of Bari IAMB, Italy, www.iamb.it. The data refer to 2006.

Argentina

- Data provided by/ Sources: Juan Carlos Ramírez, Dirección de Calidad Agroalimentaria, Servicio Nacional de Sanidad y Calidad Agroalimentaria (SENASA), Buenos Aires, Argentina. Further source: Servicio Nacional de Sanidad y Calidad Agroalimentaria (2008): "Situación de la Producción Orgánica en la Argentina durante el año 2007." Buenos Aires, Argentina.

Armenia

- Data provided by/ Source Nune Darbinyan, Ecoglobe - Organic control and certification body, 375033 Yerevan, Republic of Armenia, www.ecoglobe.am. The data refer to 2008.

Australia

- Data source: Australian Quarantine and Inspection Service (AQIS), Canberra ACT 2601, Australia www.daffa.gov.au/aqis. Additions from Els Wynen, Ecolanduse Systems, Canberra ACT 2615, Australia, www.elspl.com.au.

Austria

- Land use and operator data provided by Elisabeth Klingbacher, Research Institute of Organic Agriculture (FiBL) Austria, 1070 Vienna, Austria, www.fibl.org. Data source: Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft (Ed.)(2008): Grüner Bericht 2008. Vienna, Austria, www.gruenerbericht.at.
- The market data were provided by Ralph Liebing, Research Institute of Organic Agriculture (FiBL), 1070 Vienna, Austria, www.fibl.org.

Azerbaijan

- Data (land area, land use, operators, market size) provided by Professor Dr. Amin Babayev, Ganja Agribusiness Association (GABA), Ganja city, AZ 2000, Azerbaijan, www.gaba-az.org. All data on the organic managed area refer to area in the conversion period. Source: GABA and the local certifier AZEKOSERT, Ganja city, AZ 2000, Azerbaijan, www.azekosert.com. Coverage of data: 100 %.

Bangladesh

- Data (on aquaculture area and on processors) provided by international certifiers.

Belgium

- Organic crop area: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Market data: BioForum (2008): Puur. Bio in Cijfers. April 2008. Download: www.bioforum.be/bioweek/downloads/bio_in_cijfers.pdf

¹ Maren Rohwedder, Ljusdal, Sweden

Belize

- SOEL Survey 2003; Foundation Ecology & Agriculture (SÖL), 67089 Bad Dürkheim, Germany, www.soel.de

Benin

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com

Bhutan

- Data provided by/ Source: Kesang Tshomo, Bio Bhutan, PO Box 864, Thimpu, Bhutan, www.biobhutan.com.

Bolivia

- Data provided by/ Source: Nelson C. Ramos Santalla, Asociación de Organizaciones de Productores Ecológicos de Bolivia, PO Box 1872, La Paz, Bolivia, www.aopeb.org. The data refer to 2006.

Bosnia Herzegovina

- Data provided by /Source: Maida Hadžimerovic, Organska Kontrola (OK), 71000 Sarajevo. Bosnia & Herzegovina, www.organskakontrola.ba.
- Includes the data of all certifiers active in the country.

Brazil

- Data provided by: Ming Chao Liu, Organics Brazil, Curitiba Parana, 80210-350 Brazil, www.organicsbrasil.org. The data are based on information of the private certification agencies that are accredited according to international standards. Brazil has a regulation on organic farming since December 2007, but it has not yet been fully applied. The coverage of the data is about 95 %. Please note: The data reported previously by FiBL, SOEL and IFOAM only included the fully converted areas. The new figure presented in this book includes the in-conversion area.

Bulgaria

- Data on land use details provided by: Stoilko Apostolov, FOA Bioselena, 4300 Karlovo, Bulgaria, www.bioselena.com. The data are based on annual reports from the – by the Ministry of Agriculture and Food Supply – accredited control bodies in Bulgaria: Balkan Biocert Ltd., QC&I International Services, CERES GmbH., Lacon GmbH, BCS O -Garantie GmbH and Control Union Certifications BV.
- Total area (slightly higher than what was provided by Bioselena) according to Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Operator/production/livestock data provided by: Stoilko Apostolov, FOA Bioselena, 4300 Karlovo, Bulgaria, www.bioselena.com

Burkina Faso

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert, 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com. Differentiation between full organic status and in-conversion was not available.
- Cotton data according to Helvetas, 8021 Zürich, Switzerland, www.helvetas.org

Cambodia

- Data provided by/ Source: Winfried Scheewe, Marketing Advisor to CEDAC, Cambodian Center for Study and Development in Agriculture (CEDAC), Khan Toul Kok, Phnom Penh, Cambodia, www.cedac.org.kh
- Regarding rice: Most of the farmers cooperate with the Cambodian Center for Study and Development in Agriculture CEDAC, an NGO, which has its own organic standards, adopted from IFOAM Standards. CEDAC uses an internal control system to assure organic quality. Furthermore, international certifiers are active and certifying, among others, smaller cooperatives set up by GTZ.

Cameroon

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com

Canada

- Data provided by: Anne Macey, Canadian Organic Growers (COG), Ottawa, Ontario K1N 7Z2, Canada, www.cog.ca. Source: Information of the certifiers. Not for all certifiers were data available at the time of the survey. Other than in 2006, data on the transition area were not available.

Chad

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com.

Chile

- Data provided by: Pilar M. Eguillor Recabarren, Oficina de Estudios y Políticas Agrarias (ODEPA), Ministerio de Agricultura, Teatinos 40, Santiago, Chile, www.odepa.gob.cl. The data refer partly to the year 2007/2008.
- The number of farms is an estimate.

China

- Data provided by Wang Maohua, Certification and Accreditation Administration of the People's Republic of China CNCA, Beijing 100088, P.R.China, www.cnca.gov.cn.
- The data of 2007 shows a smaller area than the data provided previously. This does, however, not mean, that the organic area has decreased. While calculating the data, CNCA subtracted bee pastures, extensive pastures or other wild collection areas. Furthermore, farms certified by foreign certifiers, certifying against foreign standards were not included.

Colombia

- Data provided by: Carlos Andres Escobar Fernández, Conexión Ecológica, República de Colombia.
- Data source for the organically managed land area: Minagricultura - Ministro de Agricultura y Desarrollo Rural, Avenida Jiménez No. 7-65, Bogotá DC, República de Colombia, www.minagricultura.gov.co. The data refer to March 2008.
- Data on the organic export value are from 2006. Source: Revista Dinero, Calle 93 B No. 13 – 47, Santafé de Bogotá, D.C. Colombia, República de Colombia, www.dinero.com.

Congo

- Data source: Certifier data

Cook Islands

- Data provided by: Karen Mapusua, Women in Business Development Inc, PO Box 6591 Apia, Samoa, www.womeninbusiness.ws.

Costa Rica

- Data provided by Dr. Jaime E. García-González, Centro de Educación Ambiental (CEA), Universidad Estatal a Distancia (UNED), San José, Costa Rica
- Source: Ministerio de Agricultura y Ganadería, Estadísticas 2007 Agricultura Organica, www.protecnecnet.go.cr/SFE/organica1/Or_estadisticas.html

Croatia

- Data provided by Darko Znaor, Independent Consultant, 10000 Zagreb, Croatia and Sonja Karoglan Todorović, Ecologica, 10000 Zagreb, Croatia, www.ecologica.hr. The data cover 100 % of the organic activities in the country.
- Data source for the organic managed area and for the number of producers, processors and importers: Ministry of Agriculture, Forestry and Water Management, 10000 Zagreb, Croatia, www.mps.hr
- The data on the organic market value (imports, exports and size of national market) as well as the number of traders are estimated by the above named data provider. The number of exporters and seed suppliers is based on business contacts.

Cuba

- Data provided by: Lukas Kilcher, Research Institute of Organic Agriculture (FiBL), 5070 Frick, Switzerland, www.fibl.org.
- Data source (apart from sugar): Ministry of Agriculture, Ciudad de La Habana 10600, Cuba, www.cubagob.cu/mapa.htm.
- Data source for the cultivation and production of sugar: Ministry of Sugar, Calle 23, # 171, e/ N y O, Vedado, Ciudad de La Habana, Cuba, www.cubagob.cu/mapa.htm.
- Differentiation between full organic status and in conversion was not available. All data refer to 2008.

Cyprus

- Land area: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Data on producers (2005) provided by Ionanis Papastylianou, Agricultural Research Institute, 1516 Nicosia, Cyprus, <http://arinet.ari.gov.cy>

Czech Republic

- Data provided by: Karolina Dyttrtova, Bioinstitut, Olomouc 77147, Czech Republic, www.bioinstitut.cz.
- Data source for the organic managed land area and the number of operators: Ministry for Agriculture, 11705 Prague 1, Czech Republic, www.mze.cz/en.
- Vegetable area taken from Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Source for the organic production data (primary and processed products in metric tons): Institute of Agriculture Economics and Information (IAEI), 120 56 Prague 2, Czech Republic, www.uzpi.cz. (Coverage 100 %)
- Size of national market for organic products according to Green Marketing, 66434 Moravské Knínice, Czech Republic, www.greenmarketing.cz.

Denmark

- Land use data provided by: Diana Schaack, Zentrale Markt- und Preisberichtsstelle für Erzeugnisse der Land-, Forst- und Ernährungswirtschaft GmbH (ZMP), 53123 Bonn, Germany, www.zmp.de. Some of the data were provided by Kirsten Lund Jensen, Erhvervspolitisk konsulent, Dansk Landbrug, Vesterbrogade 4 A, 4.sal, 1620 Kbh. V, Denmark
- Original data source for land use as well as for operator data: Ministry of Food, Agriculture and Fisheries, 2800 Kgs. Lyngby, Denmark, www.fvm.dk. Download: http://pdir.fvm.dk/Åkologi_i_tal.aspx?ID=2134&+
- Market data: Statistics Denmark, www.statbank.dk/statbank5a/default.asp?w=1280. Totals and share of total market provided by Kirsten Lund Jensen, Erhvervspolitisk konsulent, Dansk Landbrug, Vesterbrogade 4 A, 4.sal, 1620 Kbh. V, Denmark

Dominican Republic

- Data provided by/ Source: Josè A. Zapata G., Secretaria de Estado de Agricultura, Oficina de Control Orgànico, Santa Domingo, Dominican Republic, www.agricultura.gob.do.
- The data do not include crops grown for the local market.

Ecuador

- Data provided by: Sonia Lehmann and María A. Rovayo, Gesellschaft für Technische Zusammenarbeit (GTZ), Av. Eloy Alfaro y Av. Amazonas Edf. MAGAP 4to. piso, Quito, Ecuador, www.gtz.de
- The data were collected with the support of SESA - Servicio Ecuatoriano de Sanidad Agropecuaria. The data was provided by the SESA accredited organic certifiers in Ecuador: BCS, CERES, Control Union, ECOCERT.
- SESA is the national authority for organic agriculture control and is currently developing a register of organic producers. Currently the land use data cover 100 %, production data 50 % of the activities. It is expected that more data will be available in the future.
- Shrimps are certified by Naturland through BCS and IMO as well as by Ecocert. The national regulation for organic agriculture does not consider shrimp production.

- The producer data do not include smallholders. There are 82 smallholder groups in the country.

Egypt

- Data are from 2006; provided by Paul Kledal, Institute of Food and Resource Economics, University of Copenhagen, Denmark, based on data of the certifiers.
- New data were provided by Mohamed Yousri Hashem, Center of Organic Agriculture in Egypt (COAE) and by IMC : Eng. Ehab Abdel Rahman Elmihy, Istituto Mediterraneo di Certificazione srl., Mediterranean Center for Agriculture inspection and certification IMC (S.A.E), 19 El Nakhil Str., Mohandessen, Giza- Egypt, www.imcert.it
These data were not included as no new data were available from the other certifiers (the 2006 figure from Kledal includes data from all certifiers).

El Salvador

- Data provided by: Beatriz Alegría, Consorcio CLUSA-CORDES, www.elsalvadororganico.com.sv

Estonia

- Data provided by/ Source: Egon Palts, Estonian Plant Production Inspectorate, Teaduse 2, Saku, Estonia, www.plant.agri.ee

Ethiopia

- Data provided by / Sources: Tobias Fischer, BCS Öko-Garantie GmbH, 90402 Nuremberg, Germany, www.bcs-oeko.com; Ines Hensler, Institute for Marketecology (IMO), 8570 Weinfelden, Switzerland, www.imo.ch; Britta Jankay and Gyorgyi Acs Feketene, Control Union Certifications, 8000 AD Zwolle, Netherlands, www.controlunion.com. A part of the data refers to 2007/2008.

Faroe Islands

- Data source: Certifier data

Finland

- Land use and operator data provided by/ Source: Juha Kärkkäinen, Finnish Food Safety Authority, Import and Marketing Control, 00790 Helsinki, Finland, www.evira.fi.
- Market data provided by Sampsa Heinonen, Finfood, Vantaa, Finland, www.ruokatieto.fi/luomu

France

- Land use and operator data provided by/ Source: Katell Guernic, Agence BIO, 93100 Montreuil sous Bois, France, www.agencebio.org
- Market data: The size of the national market for organic products was estimated by Agence BIO.

Gambia

- Data provided by / Source: Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com. The data refer to 2006.

Germany

- Landuse data and operator data: Zentrale Markt- und Preisberichtsstelle für Erzeugnisse der Land-, Forst- und Ernährungswirtschaft GmbH (ZMP): Landwirtschaftliche Produktionsstruktur in Deutschland. Bonn, 2008. Number of operators: Bundesanstalt für Landwirtschaft und Ernährung (BLE)(2008): Strukturdaten der nach der Verordnung (EWG) Nr. 2092/91 des Rates vom 24. Juni 1991 wirtschaftenden Unternehmen in Deutschland nach Unternehmensformen sowie der bewirtschafteten Fläche. www.ble.de www.zmp.de/oekomarkt/unternehmen.pdf
- Market data: Prof. Dr. Ulrich Hamm, University of Kassel, 37213 Witzenhausen, Germany, www.uni-kassel.de.

Georgia

- Data provided by: Mariam Jorjadze and Elene Shatberashvili, Biological Farming Association Elkana, 0177, Tbilisi, Georgia, www.elkana.org.ge. The data refer to October 2008.
- In Georgia the "National Standard on Organic Production" (approved in April 2008) was drafted in accordance with the Codex Alimentarius Guidelines for the Production, Processing, Labeling and Mar-

DATA PROVIDERS AND DATA SOURCES

keting of Organically Produced Foods (GL 32 - 1999, Rev. 1 - 2001). There is also a Private Standard of Biological Farming Association Elkana which completely corresponds to EC Regulation 2092/91. A Georgian certification body "Caucascert" was accredited according to the ISO 65 and together with Armenian organization Ecoglobe was authorized to certify according to "Green Caucasus" - "Standard for the Production, Processing, Labeling and Marketing of Organically Produced Foods" which was equivalent to the requirements of international organic farming standards, such as IFOAM, Codex Alimentarius and EEC2-92/91 Regulation.

Ghana

- Data provided by: Samuel Adimado, Ghana Organic Agriculture Network (GOAN), P.O. Box 6342 Kumasi, Ghana, Source: Survey among the operators in Ghana. The data are from the end of 2008.

Greece

- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Land use: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Market data: Manginas, Stamos and George Karanis (2008): Greece. In: Osch, Susanne and Burkhard Schaer (eds) (2008): Specialized Organic Retail Report 2008. Organic Retailers Association, Vienna.

Guinea Bissau

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com

Guatemala

- Data provided by/ Source: Manolo De La Cruz and Eduardo Taracena, Ministerio de Agricultura, Ganadería y Alimentación UNR-MAGA, Agricultura Orgánica, 7 avenida 12-90 zona 13, Ciudad de Guatemala, Guatemala, www.maga.gob.gt Remark: The drop of nearly 5000 hectares compared with the year 2005, is due to a new system of registry and control; the data before were based on estimations. Furthermore some operators had registered twice.

Guyana

- Data provided by / Source: Jaime Castro Mendivil, Control Union, Lima, Peru, www.cuperu.com. The data refer to 2003. No updates have been received since.

Honduras

- Data provided by Yolandina Lambur Valle, Dpto, Agricultura Organica, SENASA SAG - Secretaria de Agricultura y Ganadería, Honduras, www.senasa-sag.gob.hn

Hungary

- Data provided by/ Sources: Dóra Kovács, Hungária Öko Garancia Kft., 1033 Budapest, Hungary, www.okogarancia.hu and Biokontroll Hungária, 1027 Budapest, Hungary, www.biokontroll.hu.

Iceland

- Data source: Certifier data

India

- Data were provided by Dr. P.V.S.M. Gouri, Agricultural and Processed Food Products Export Development (APEDA), www.apeda.com. Sources: APEDA, Ministry of Commerce & Industry, Govt of India, New Delhi - 110 016, India, www.apeda.com and National Centre for Organic Agriculture (NCOF), India, dacnet.nic.in/ncof/

Indonesia

- Data provided by: Agung Prawato, BIOCert, Bogor 16165, Indonesia, www.biocert.or.id.
- Source: Certifier data; Some of the data are estimates

Iran

- Data provided by: Hossein Mahmoudi, Shahid Beheshti University, Environmental Sciences Research Institute, Evin, PO Box 983963113, Tehran, Iran, <http://en.sbu.ac.ir/>
- Data source: certifier data. The figures do not include area under conversion. The data cover nearly 100 % of the organic area in Iran.

Ireland

- Data on producers and land area were provided by: Eddie Mc Auliffe, Organic Unit, Department of Agriculture Fisheries and Food, Johnstown Castle Estate, Wexford, Ireland, www.agriculture.gov.ie
- Market data were provided by: Rosaleen O'Shaughnessy, Board Bia – Irish Food Board, Clanwilliam Court, Lower Mount St, Dublin, Ireland, www.bordbia.ie. Source: TNS Worldpanel data. See <http://www.bordbia.ie/eventsnews/ConferencePresentations/Pages/NationalOrganicFoodConference2008-SpeakerPresentations.aspx>

Israel

- Data provided by/ Source: Pnina Oren Shnidor, Ministry of Agriculture and Rural Development, Plant Protection and Inspection Services (PPIS), 50250 Bet-Dagan, Israel, www.moag.gov.il/agri
- The data refer to organic fresh produce and processed products of plant origin, designated for export to the EU market. The data apply to the Israeli export season (1 Oct 2006 to 30 Sept 2007). On 1 Sept 2008 the Israeli law for the regulation of organic produce came into force. Therefore it is likely that in the near future also data on products for the regional market are available.

Italy

- Data source land use data: Sistema d'informazione nazionale sull'Agricoltura Biologica (SINAB)(2008): L'Agricoltura Biologica in Cifre al 31/12/2007. SINAB, Roma. Download: www.sinab.it/sezioni/sit/ allegati_sit/54/presentazione_bio_in_cifre_07.pdf
- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Market data: ISMEA at the SINAB homepage www.sinab.it

Ivory Coast

- Data provided by/ Sources: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com

Jamaica

- Data provided by / Source: Dwight Robinson, Jamaican Organic Agriculture Movement (JOAM), PO Box 5728 Kingston 6, Jamaica, www.joamltd.org. The data refer to 2006.

Japan

- Number of farmers provided by Satoko Miyoshi, IFOAM Japan, Toda-city, Saitama, Japan 335-0021, www.ifoam-japan.net; Source: Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo 100, 8950, Japan, www.maff.go.jp/e/index.html
- Land area was calculated by multiplication of the number of organic farms with the average farm size in Japan.

Jordan

- Data provided by / Source: Dr. Lina Al Bitar, MOAN, Mediterranean Agronomic Institute of Bari IAMB, Italy, www.iamb.it. The data refer to 2006.

Kazakhstan

- Data source: Certifier data. Data on agricultural land refer to land under conversion in the period 2007 / 2008.

Kenya

- Data provided by / Source: Eustace Kiiari, Kenya Organic Agricultural Network (KOAN), 00200 Nairobi, Kenya, www.koan.co.ke and by Paul Kledal, Institute of Food and Resource Economics, University of Copenhagen, Denmark.

Korea

- Data provided by Prof. Dr. Sang Mok Sohn, Research Institute of Organic Agriculture, Dankook University, Cheonan 330-714, Republic of Korea, www.rioa.or.kr. Source: Governmental statistics.

Kyrgyzstan

- Data source: Certifier data. The data refer to 2007 / 2008.

Latvia

- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxembourg, <http://epp.eurostat.ec.europa.eu>
- Land use: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxembourg, <http://epp.eurostat.ec.europa.eu>

Laos

- Data provided by: Ruedi Lüthi, Helvetas Laos, Vientiane Capital, Laos, www.laosorganic.com. The data refer to 2008, certification of organic farming in Laos was carried out for the first time in 2008; the area is under conversion.

Lebanon

- Data provided by /Sources: Khalil Haddad, Libancert, Beirut, Lebanon, www.libancert.com; Youssef El Khoury, IMC Lebanon, Beirut, Lebanon, www.imcert.it and Milena Belli and Antonio Compagnoni, ICEA, 40125 Bologna, Italy, www.icea.info

Liechtenstein

- Data provided by: Klaus Buechel, Institute of Agriculture and Environment, 9493 Mauren, Liechtenstein, www.kba.li; Source: Ministry of Environmental Affairs, Land Use Planning, Agriculture and Forestry, 9490 Vaduz, Liechtenstein, www.liechtenstein.li/en/liechtenstein_main_sites/portal_fuerstentum_liechtenstein/fl-wuf-wirtschaft_finanzen/fl-wuf-landwirtschaft.htm
- The data on land area base on figures from the Ministry of Agriculture and from calculations of an organic consultancy agency. Harvests are estimated. The data on the number of animals was estimated on the base of data from the Ministry of Agriculture on livestock units. Empirically most of the organic products are sold in Liechtenstein and Switzerland.

Lithuania

- Land use: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxembourg, <http://epp.eurostat.ec.europa.eu>
- Data source for the number of producers: Ekoagros, 44240 Kaunas, Lithuania, www.ekoagros.lt.

Luxembourg

- Data provided by/ Source: Monique Faber, Administration des Services Techniques de l'Agriculture (ASTA), 1019 Luxembourg, Luxembourg, www.asta.etat.lu
- The total number of producers (81) includes 11 beekeepers, which have no land.

Macedonia, The former Yugoslav Republic

- Data provided by: Radomir Trajković, PROBIO consulting company, 1000 Skopje, Republic of Macedonia, www.probio.com.mk
- Source for the data on organically managed land area was Balkan Biosert, 1000 Skopje, Republic of Macedonia, www.balkanbiocert.com. The data cover 100 %, data with differentiation between full organic status and in-conversion was not available.
- Data source for the number of operators (coverage: 100 %): Ministry of Agriculture, Forestry and Water Management, 1000 Skopje, Republic of Macedonia, www.mzsv.gov.mk

Madagascar

- Data provided by: Andrianjaka Rajaonarison, Laulanié Green Association (LGA), Antananarivo, Madagascar; Source: Sandra Randrianarisoa, Ecocert Madagascar/ East Africa, Antananarivo 102, Madagascar. The data refer to 2006.

Malawi

- The data are from 2003; no new data have been received since.

Malaysia

- Data provided by Ong Kung Wai, Grolink, Malaysia. Source: Certifier data.

Mali

- Data provided by/ Sources: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com. Cotton data provided by Frank Eyhorn, Helvetas Swiss Association for International Cooperation, Organic & Fairtrade Competence Centre, 8021 Zurich, Switzerland, www.helvetas.org; www.organiccotton.ch

Malta

- Data provided by: Mark Causon, Genista Research Foundation, Rabat, Malta, www.genistafoundation.org. Source: Ministry of Rural Development, Valletta CMR 02, Malta, www.agric.gov.mt

Mauritius

- Data provided by / Source: Sunita Facknath and Bhanooduth Lalljee, Faculty of Agriculture, University of Mauritius, Réduit, Mauritius, www.uom.ac.mu/faculties/foa/

Mexico

- Data (land use, production, export value) provided by/ Source: Rita Schwentesius, Universidad Autónoma Chapingo, 56230 Chapingo, México, <http://portal.chapingo.mx>; CIIDRI – Centro de Investigaciones Interdisciplinarias para el Desarrollo Rural Integral; CIESTAAM – Centro de Investigaciones Económicas, Sociales y Tecnológicas de la Agroindustria y la Agricultura Mundial
- The data cover about 90 % of the organically managed land area, exports and producers.
- The share of the organically managed land of the total land was calculated on the basis of data provided by the Universidad Autónoma Chapingo; they are not the same as the FAO data.

Moldova

- Data provided by Lutz Mammel, EkoConnect, 01099 Dresden, Germany, www.ekoconnect.org; Source: Jurie Senic, Ministry of Agriculture and Food Industry, Chişinău, bd. Ştefan cel Mare, 162, pagina , www.maia.gov.md

Mongolia

- The certifier who had provided data for wild collection previously, did not list Mongolia anymore in its annual statistics.

Montenegro

- Data provided by: Radana Damjanović, Ministry of Agriculture, Forestry and Water Management, 81000 Podgorica, Montenegro, www.gov.me/eng/minpolj. Data source: certification bodies.

Morocco

- Data provided by: Prof. Lachen Kenny, Institut Agronomique et Vétérinaire Hassan II, BP. 121, Ait Melloul, Agadir, Morocco, www.iavcha.ac.ma. Source: Survey of the Institut Agronomique et Vétérinaire Hassan II among the certifiers.

Mozambique

- Data (2006) provided by / Source: Michelle Carter and Amilcar Lucas, CARE, CP 4657, Maputo, Mozambique, www.careinternational.org.uk. The data refer to 2006.

Namibia

- Data provided by: Manjo Smith, PO Box 1504, Okahandja, Namibia

Nepal

- Data provided by / Source: Maheswar Ghimire, Kathmandu, Nepal, based on data from the certifiers.

Netherlands

- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Land use: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Market data: Biologica (2008): Bio-Monitor jaarrapport 2007. Biologica, 3512 LC Utrecht, Netherlands. Download: www.biologica.nl/docs/200810211621051304.pdf

New Zealand

- Data provided by / Source: Seager Mason, BioGro New Zealand Inc., Wellington 6141, New Zealand, www.bio-gro.co.nz.

Nicaragua

- Data provided by Miguel Altamirano, Instituto Interamericano de Cooperación para la Agricultura (IICA), Managua, Nicaragua, www.iica.int.ni. Source: Ministerio de Agriycultura y Forestal MAGFOR, www.magfor.gob.ni

Niger

- Data source: Certifier data

Nigeria

- Data provided by: Dr. O.O. AdeOluwa, Organic Agriculture Projects in Tertiary Institutions in Nigeria (OAPTIN) / Department of Agronomy, University of Ibadan, Ibadan, Nigeria, www.ui.edu.ng. Source: Survey among the operators

Niue

- Data provided by: Karen Mapusua, Women in Business Development Inc, PO Box 6591 Apia, Samoa, www.womeninbusiness.ws.
- Data from 2006; Source: BioGro New Zealand Inc., Wellington 6141, New Zealand, www.bio-gro.co.nz.

Norway

- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Land use: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Market data: Data provided by Matthias Koesling, Bioforsk Organic Food and Farming Division, 6630 Tingvoll, Norway, www.bioforsk.no/organic; Source: Norwegian Agriculture Authority (SLF) (2008): Produksjon og omsetning av økologiske landbruksvarer - Rapport for 2007. 0033 Oslo, Norway, Download: www.slf.dep.no/iKnowBase/Content/8423/PRODUKSJON OG OMSETNING AV ØKOLOGISKE LANDBRUKSVARER 2007.PDF

Pakistan

- Data source for total organically managed land (2006): certifier data. Land use data as of 2004 are provided by Ghulam Mustafa, Pakistan Organic Farms (POF), DHA Lahore, Pakistan, www.pakof.com.

Palestine

- Data provided by / Source: Mediterranean Organic Agriculture Network MOAN, c/o Institute of Mediterranean Agriculture IAMB Bari, Valenzano, Italy, www.iamb.it
- The data are not complete; the total organic area is probably higher.

Panama

- Data are from 2004 (published in "The World of Organic Agriculture 2006") and have not been confirmed since.

Papua New Guinea

- Data sources: National Association of Sustainable Agriculture Australia (NASAA), Stirling SA 5152, Australia, www.nasaa.com.au and Australian Certified Organic (ACO), Chermshire QLD 4032, Australia, www.australianorganic.com.au.

Paraguay

- Data provided by / Source: Dr. Fernando Rios, Servicio Nacional de Calidad y Sanidad Vegetal y de Semillas (SENAVE), Asunción, Paraguay, www.senave.gov.py. The data are from 2006.

Peru

- Land use/operator data provided by: Julia Salazar Suarez, Servicio Nacional de Sanidad Agraria (SENASA), Lima 12 - La Molina, Lima, Peru, www.senasa.gob.pe.
- Export data provided by Javier Martinez, PromPeru, San Isidro - Lima 27 Perú, www.promperu.gob.pe

Philippines

- Data provided by Lani Katimbang-Limpin, Organic Certification Center of the Philippines (OCCP), Quezon City 1103, Philippines, www.occp.phils.org

Poland

- Data provided by Dorota Metera, Bioekspert, 00-621 Warsaw, Poland, <http://bioekspert.waw.pl/pl/>
- Information source for all data (except for the number of seed suppliers): Agriculture and Food Quality Inspection, 00-930 Warsaw, Poland, www.ijhar-s.gov.pl
- Information source for the number of seed suppliers: Main Inspectorate of Plant Health and Seed Inspection, 01-171 Warsaw, Poland, www.piorin.gov.pl

Portugal

- Data provided by: Ana Firmino, University of Lisbon, 1649 - 004 Lisbon, Portugal, www.ul.pt. Data source: Ministry of Agriculture, Rural Development and Fisheries, Planning & Policies Office, 1099-073 Lisbon, Portugal, www.gpp.pt

Romania

- Data source for total organically managed land area (190'129 hectares in total, 131'401 hectares without wild collection) and the number of operators are from 2007 taken from the Homepage of the Ministry of Agriculture and Rural Development, 020921 Bucharest, Romania, [www.madr.ro / www.madr.ro/pages/page.php?self=01&sub=0107&tz=010710](http://www.madr.ro/)
- Land use details were only available per of November 2008 and were provided by Iulia Grosulescu, Ministry of Agriculture and Rural Development, 020921 Bucharest, Romania, www.madr.ro.
- In order to be able to use the correct total for 2007 but to provide land use details, we inserted a correction value. The total organically managed area was 148'569 hectares in November 2008, the converted area was 80'566 hectares and the conversion land 68'003 hectares.

Russia, European part

- Data provided by: Dr. Andrey Khodus, Eco-control Ltd., 141506 Solnechnogorsk, Russia, www.eco-control.ru.
- Source: Own data of Eco Control, survey among the certifiers and operators. Most likely the data are not complete.

Rwanda

- Data provided by: Peter Murava, Rwanda Horticulture Development Authority (RHODA), B.P: 621, Kigali, Rwanda, www.minagri.gov.rw/index.php and Alastair Taylor, Agro Eco Eastern Africa (AEEA), PO Box 71982, Kampala, Uganda, www.agroeco.net. Data collection was made within the framework of the UNEP - UNCTAD - Capacity Building Task Force on Trade, Environment and Development (CBTF) project part, which was reviewing the Organic Sector in Eastern Africa.

Samoa

- Data provided by: Karen Mapusua, Women in Business Development Inc, PO Box 6591 Apia, Samoa, www.womeninbusiness.ws. The data refer to 2006.

San Marino

- Data source: Certifier data (one processor). The information refers to 2008.

Sao Tome and Principe

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com

Senegal

- Data provided by/ Sources: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com; Milena Belli and Antonio Compagnoni, ICEA, 40125 Bologna, Italy, www.icea.info and Ines Hensler, Institute for Marketecology (IMO), 8570 Weinfelden, Switzerland, www.imo.ch.

Serbia

- Data provided by: Lidija Acimovic, Ministry of Agriculture, Forestry and Water Management, 11000 Belgrade, Serbia, www.minpolj.sr.gov.yu

Slovakia

- Operators: Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Land use: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>

Slovenia

- Data for total organically managed land area and operators provided by: Anamarija Slabe, Institute for Sustainable Development, 1000 Ljubljana, Slovenia, www.itr.si. Source Ministry for Agriculture Forestry and Food (MAFF), 1000 Ljubljana, Slovenia, www.mkgp.gov.si/en/
- Source Land use data: Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>

Solomon Islands

- Data provided by: Karen Mapusua, Women in Business Development Inc, PO Box 6591 Apia, Samoa, www.womeninbusiness.ws.

South Africa

- Data provided by/ Sources: Tobias Fischer, BCS Öko-Garantie GmbH, 90402 Nuremberg, Germany, www.bcs-oeko.com, Frederika Jacobs, Ecocert-Afrisco, Lynnwood Ridge, 0040, South Africa, www.afrisco.net and Ines Hensler, Institute for Marketecology (IMO), 8570 Weinfelden, Switzerland, www.imo.ch.
- Not all certifiers that are active in South Africa are included.
- The land use and crop data are from one of the certifiers listed above.

Spain

- Land use, operators: Source: Ministerio de Agricultura, Pesca y Alimentación (2007): Estadísticas 2007, Agricultura Ecológica – España. Download: www.mapa.es/alimentacion/pags/ecologica/pdf/2007.pdf, Madrid, Spain
- Market data: Rankine, Torben (2008): Spain. In: Osch, Susanne and Burkhard Schaer (eds) (2008): Specialized Organic Retail Report 2008. Organic Retailers Association, Vienna; Further data provided by Victor Gonzalves, Sociedad Española de Agricultura Ecológica (SEAE), Catarroja (Valencia), Spain, www.agroecologia.net

Sri Lanka

- Data provided by / Source: Nalika Kodikara, Sri Lanka Export Development, Colombo, Sri Lanka and Saminathan Vaheesan, Helvetas Sri Lanka, Colombo, www.helvetas.ch. The data refer to 2006.

Sudan

- Data source: Certifier data

Suriname

- Data source: Certifier data. The data refer to area under conversion (one operator).

Swaziland

- Data source: Certifier data; only area under conversion.

Sweden

- Data source for land use and the number of producers: KRAV – Ekonomisk Förening, 751 40 Uppsala, Sweden, www.krav.se. Download: www.krav.se/Documents/arsredovisning/Arsredovisning2007.pdf. These data include only organic agriculture according to the KRAV-standard. There is a small (but unknown) number of organic farmers in Sweden, who are not members of KRAV.
- Ekologiska Lantbrukarna (2008): Växande Marknad. Försäljning, volymer & trender för ekologisk mat. Ekologiska Lantbrukarna, Uppsala. www.ekolantbruk.se/marknad/skrifter.asp

Switzerland

- Land use data provided by Helga Willer, Research Institute of Organic Agriculture (FiBL), Frick, Switzerland, www.fibl.org, based on data of the three certifiers.
- There was some insecurity regarding the total organic area according to the data of the certifiers, which are being clarified by FiBL and Bio Suisse. Thus, these totals were taken from the data of the Swiss Federal Office of Statistics BFS, Neuchatel, Switzerland, which provides data on the organically managed land (but no crop details) and farms for those organic farms, which receive direct payments from the government (which does, however, not cover all organic farms).
- Market data: Bio Suisse, Basel, Switzerland, www.biosuisse.ch/de/bioinzahlen.php

Syria

- Data provided by/ Sources: Dr. Souhail Makhoul and Haya Abou Assaf, General Commission for Scientific Agricultural Research, Damascus, Syria, www.organicysyria.com

Taiwan

- Data provided by / Source: Perrine Liu, Yu-shi Co., Taipei, Taiwan. The data refer to March 2007.

Tanzania

- Data provided by: Noel C. Kwai, Tanzania Organic Agriculture Movement (TOAM), PO Box 70089, Dar es Salaam, Tanzania, www.kilimohai.net. Source: Survey among the operators.

Thailand

- Data provided by Vitoon Panyakul, Green Net, 10330 Bangkok, Thailand, www.greennet.or.th

Timor-Leste

- Data source: Certifier data; The data refer to 2007 / 2008. Differentiation between full organic status and in conversion was not available.

Togo

- Data provided by/ Source: Abdoul Aziz Yanogo, Ecocert West Africa Office, Ecocert 11 BP 203 Ouagadougou, Burkina Faso, www.ecocert.com and further certifiers.

Tunisia

- Data source: Ministry of Agriculture and Hydraulic Resources, National Bureau of Organic Agriculture, Samia Maamer Belkhiria, DPGA 30, Tunis, Tunisia, www.tunisie.com/APIA/min_agriculturea.htm

Turkey

- Data provided by/ Source: Erdal Süngü, Ministry of Agriculture and Rural Affairs, Ankara, Turkey, www.tarim.gov.tr
- Some areas contain mixed products or second crops, that can be reaped from the same parcel. Therefore the total of land use detail data exceeds the actual area surface cultivated for organic farming.

Uganda

- Data provided by: Charity Namuwoza, National Organic Agricultural Movement of Uganda (NOGAMU), PO Box 70071, Clock Tower, Kampala, Uganda, www.nogamu.org.ug. Data source: Operators. The data refer to 2007/ 2008.
- Cotton and sesame farmers account for about 60 % of the certified farmers and land in Uganda. This can be explained by the involvement of multinational cotton companies. There has also been a lot of organic certification support in the cotton projects since 1994 in the northern part of Uganda.
- Based on the figures of the NOGAMU shop, organic production for the local market accounts for about one percent of the total value. This affects formal certified products, but the majority of the organic products goes into informal local markets whose value was difficult to estimate but it was quite big. Products marketed locally include fresh and dried fruits (e. g. pineapples, papaya, apple, banana, mango, passion fruits and avocado), fresh vegetables (cabbage, carrots, broccoli, cauliflower, etc), wine, livestock products (eggs), shea butter, fruit juice- pineapples, gooseberry, passion fruits and spices (eg vanilla).

UK

- Eurostat: Number of registered organic operators 2007; Date of extraction: 15 Jan 2009, Last update: Dec 18, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>
- Eurostat: Organic crop area 2007; Date of extraction: 15 Jan 2009, Last update: Dec 19, 2008. Eurostat, Luxemburg, <http://epp.eurostat.ec.europa.eu>

Ukraine

- Data (including market data) provided by: Eugene Milovanov, Organic Federation of Ukraine, 01001 Kiev, Ukraine, www.organic.com.ua.

United Arab Emirates

- Data source: Certifier data

Uruguay

- Data on organically managed land use and the number of operators refer to 2006 and are provided by/ Source: Betty Mandl, Ministerio de Ganadería, Agricultura y Pesca (MGAP), Montevideo, Uruguay, www.mgap.gub.uy

USA

- Data source: United States Department of Agriculture (USDA), Economic Research Service, Washington DC, 20036-5831 USA. Download of data sets for organic production at www.ers.usda.gov/Data/Organic/; Download of detailed data at www.ers.usda.gov/Data/Organic/index.htm#tables. The data refer to 2005.

Uzbekistan

- Data source: Certifier data

Vanuatu

- Data provided by: Karen Mapusua, Women in Business Development Inc, PO Box 6591 Apia, Samoa, www.womeninbusiness.ws.

Venezuela

- Data provided by: Luisa Díaz Jaimes and , Instituto Nacional de Investigaciones Agrícolas INIA and Universidad Nacional Experimental del Tachira and Félix Moreno-Elcure UNET www.unet.edu.ve/lasas, Venezuela, based on certifier data.