

Research Institute of Organic Agriculture Forschungsinstitut für biologischen Landbau Institut de recherche de l'agriculture biologique



Data collection on organic agriculture worldwide

Helga Willer, Research Institute of Organic Agriculture (FiBL) IFOAM Organic World Congress, September 28 - October 2, 2011, Presentation at the Workshop on data collection in organic agriculture on September 29, 2011

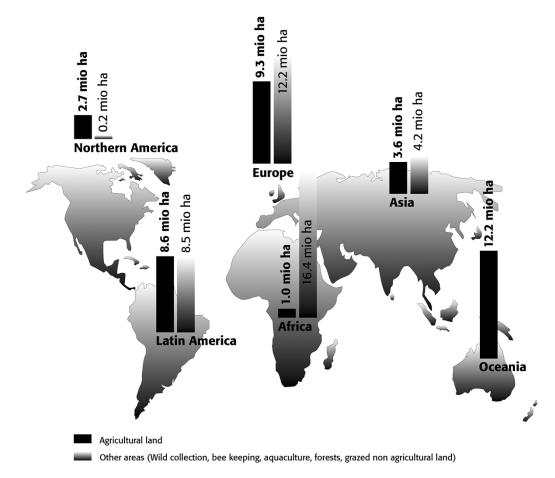
Countries and territories covered by the global survey on organic agriculture 2009

	Countries with data on organic agriculture	Countries per region	Share of countries that provided data (%)
Africa	38	57	67%
Asia	37	49	76%
Europe	45	46	98%
South & Central America, Caribbean	29	45	64%
North America	2	5	40%
Oceania	9	13	69%
World	160	214	75%



Source: FiBL & IFOAM Survey 2011

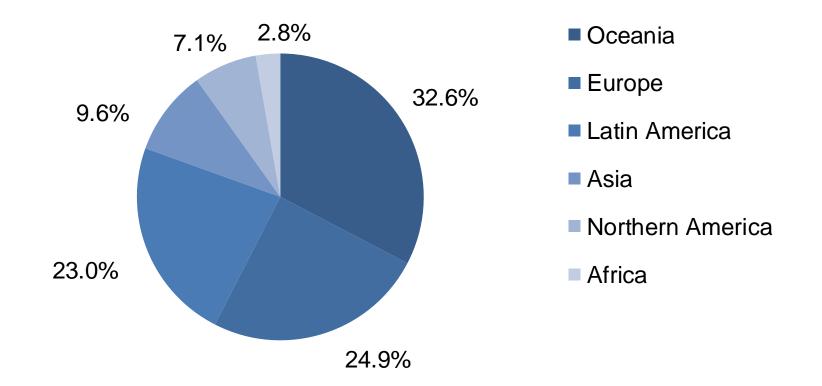
Organic agricultural land and other organic areas 2009





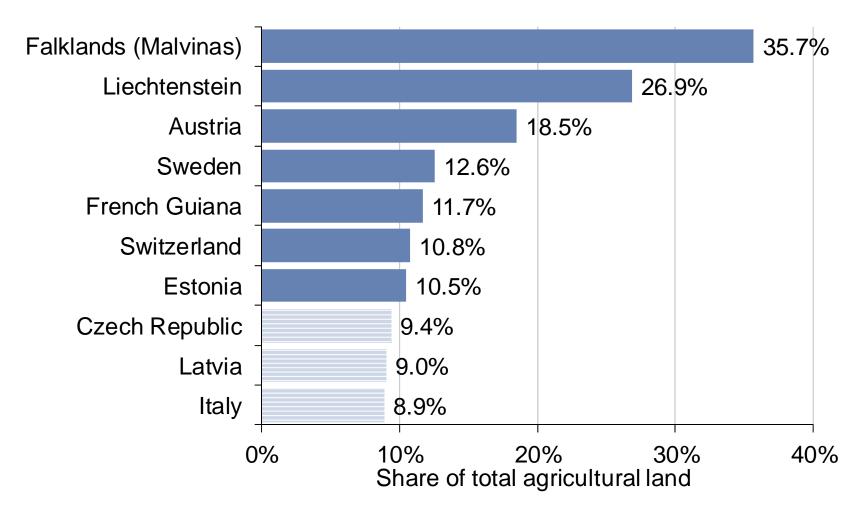
Source: FiBL & IFOAM Survey 2011

Distribution of organic agricultural land by region 2009





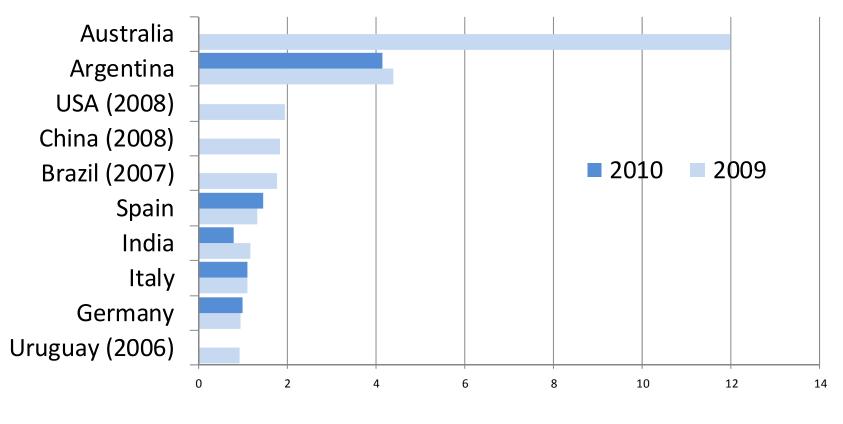
The ten countries/areas with the highest shares of organic agricultural land 2009





Source: FiBL/IFOAM Survey 2011, based on data from governments, organic sector organisations and certifiers.

World: The ten countries with the most organic agricultural land 2009/2010



Million Hectares

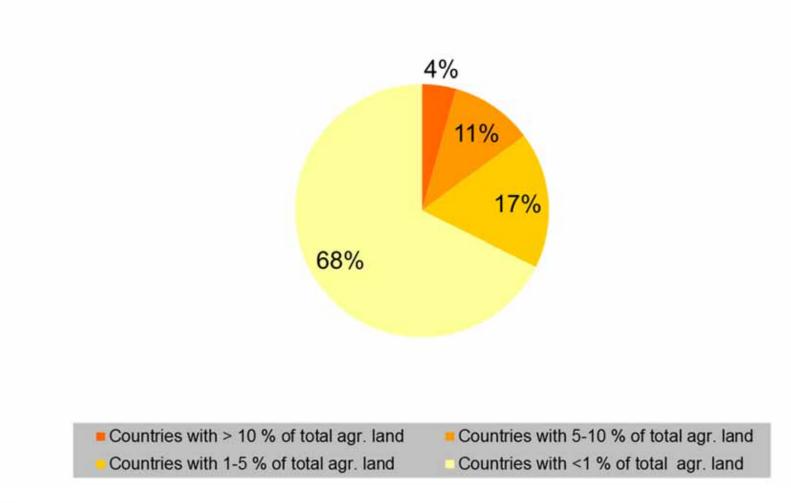
Argentina, US and Uruguay: Only fully converted areas



Source: FiBL/IFOAM Survey 2011, based on data from governments, the private organic sector and certifiers.



Distribution of organic shares of the total agricultural areas 2009 (total countries 160)

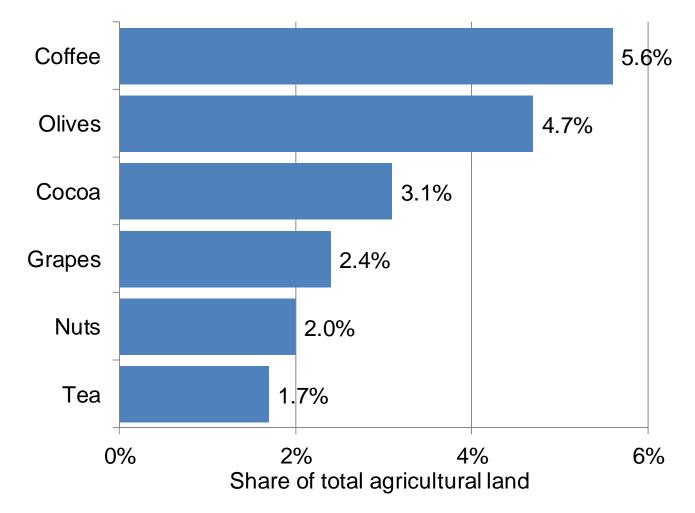




Source: FiBL & IFOAM 2011

Shares of some key crops of the respective total area (2009)

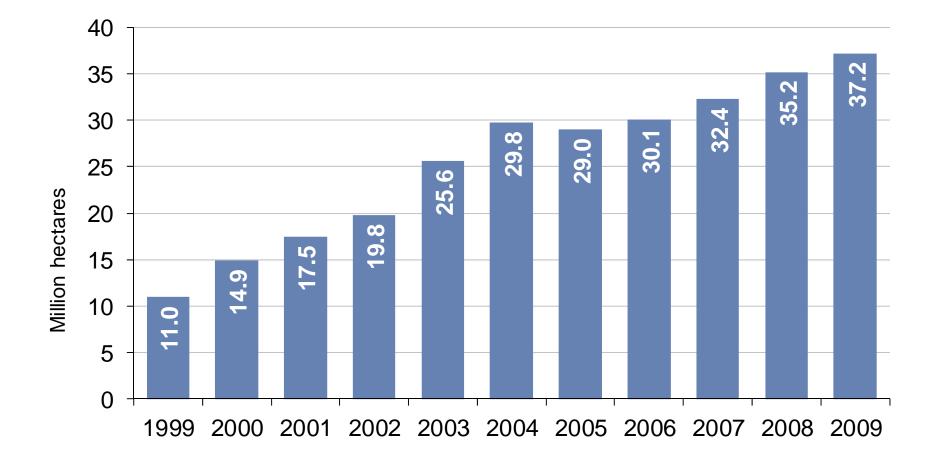
(not for all countries with data on organic farming land use data were available)





Source: FiBL/IFOAM Survey 2011, based on data from governments, organic sector organisations and certifiers.

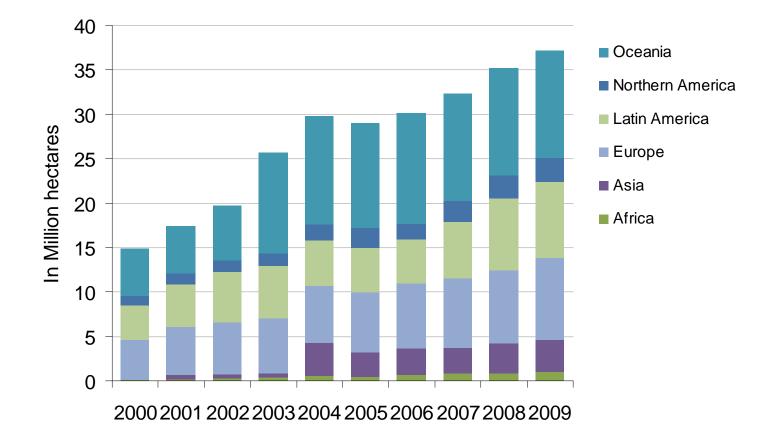
World: Development of organic agricultural land 1999-2009





Source: FiBL, IFOAM and SOEL 2000-2011

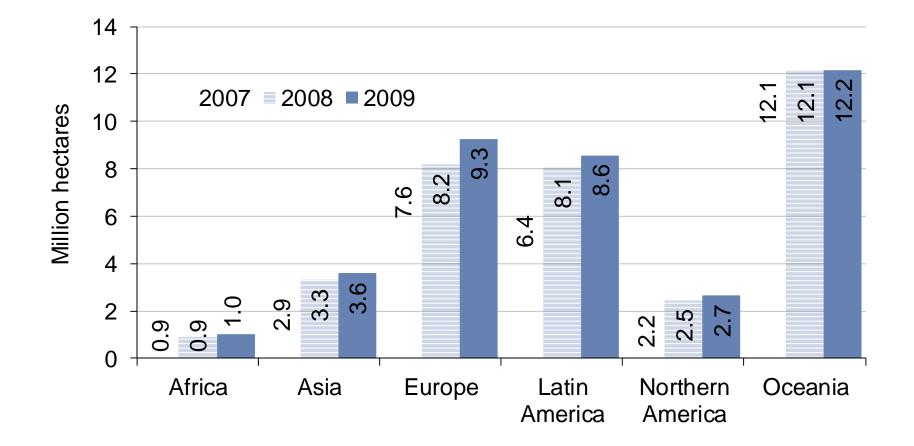
World: Development of organic agricultural land by region 1999-2009





Source: FiBL, IFOAM and SOEL 2000-2011

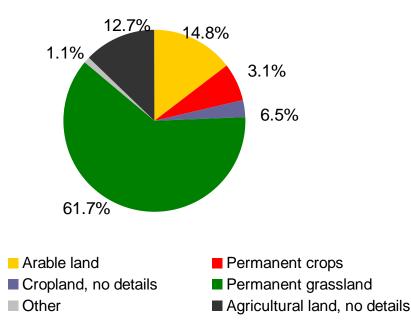
World: Development of organic agricultural land 2007 to 2009 by geographical region



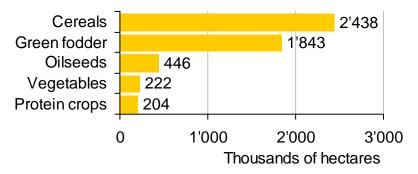


World: Use of organic agricultural land 2009 (total: 37.2 million hectares)

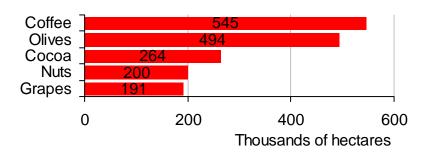
Distritbution of main agricultural land use types 2008



The main arable crops 2009



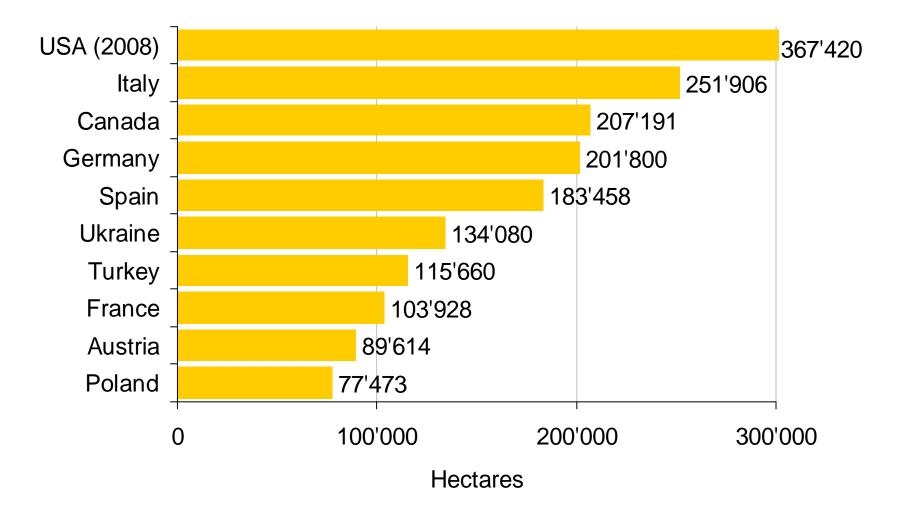
The main permanent crops 2009







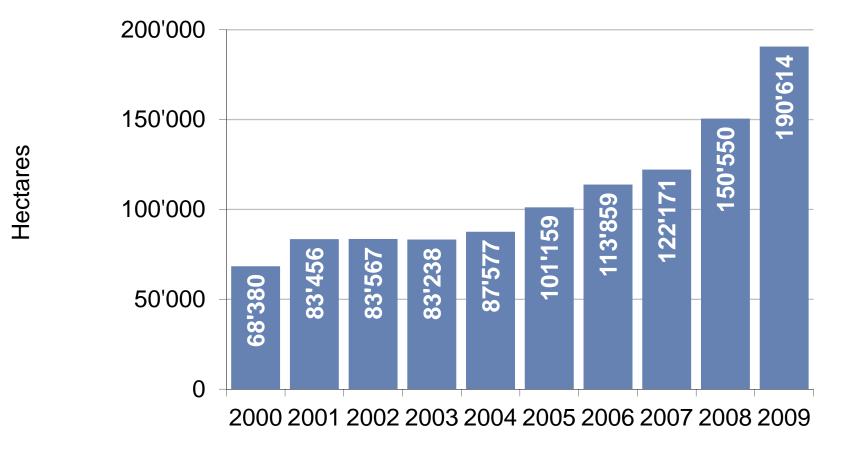
Organic cereals: The ten countries with the largest areas 2009





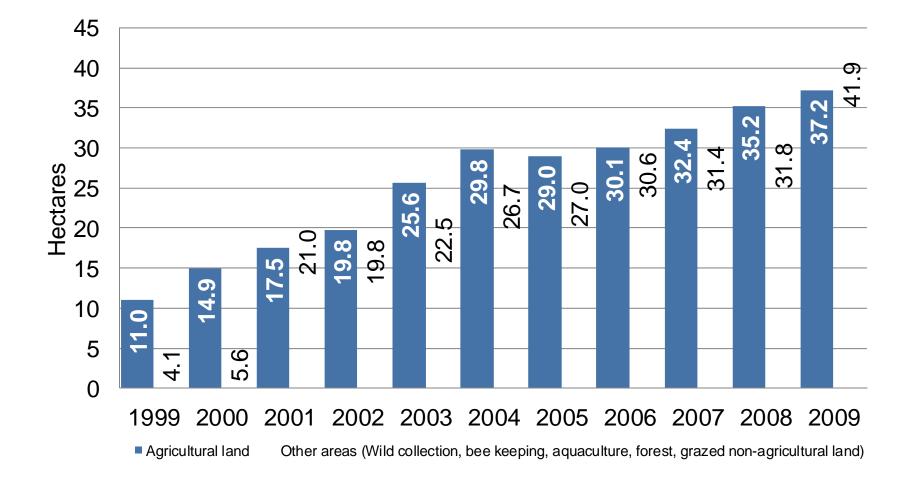
FiBL/IFOAM Survey 2011, based on national sources

Development of the organic grape area worldwide 2000-2009 (including in-conversion areas)





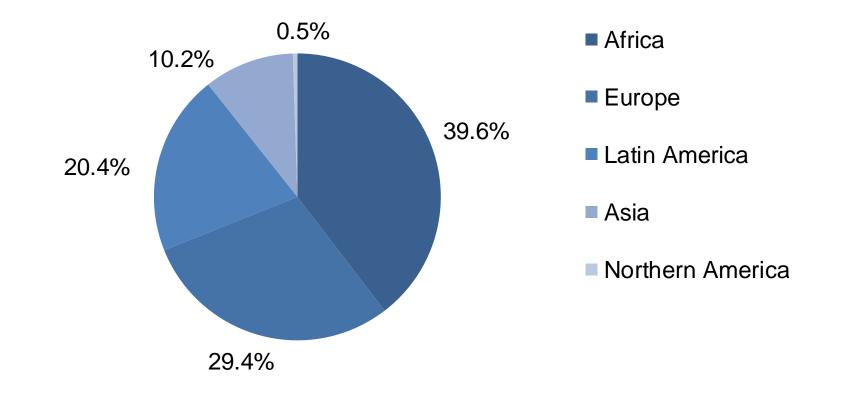
Development of organic agricultural land and other organic areas 1999 to 2009



Source: FiBL /IFOAM/SÖL 2000-2011

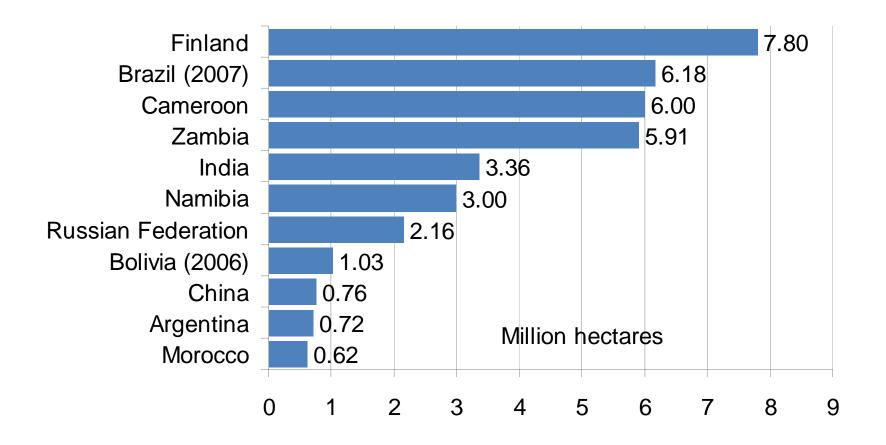
www.fibl.org

Distribution of organic wild collection areas by region 2009





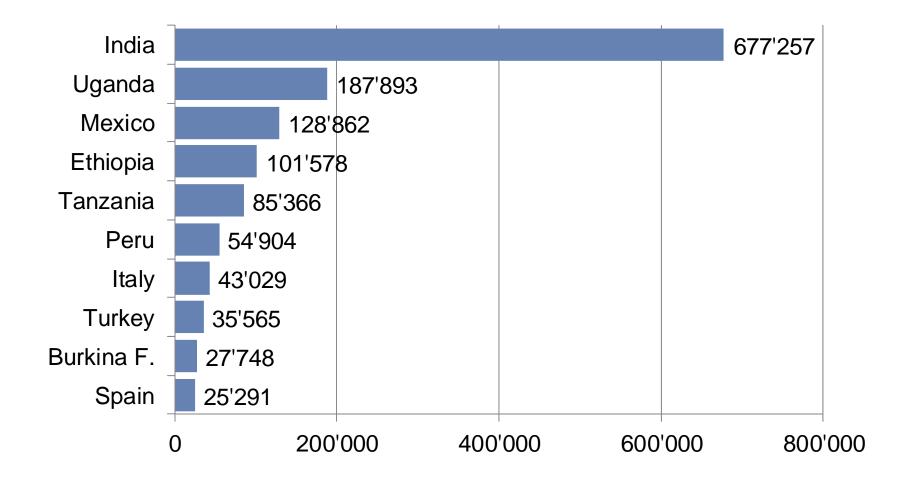
Organic wild collection: The ten countries with the largest wild collection areas (including bee-keeping) 2009



FiBL www.fibl.org

FiBL/IFOAM Survey 2011, based on data from governments, the private organic sector and certifiers

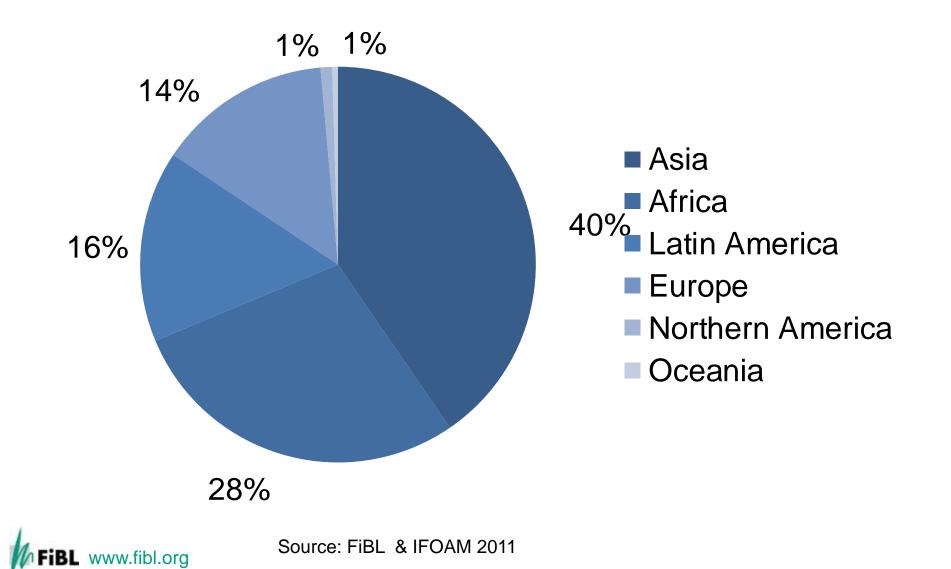
The ten countries with the largest numbers of organic producers 2009



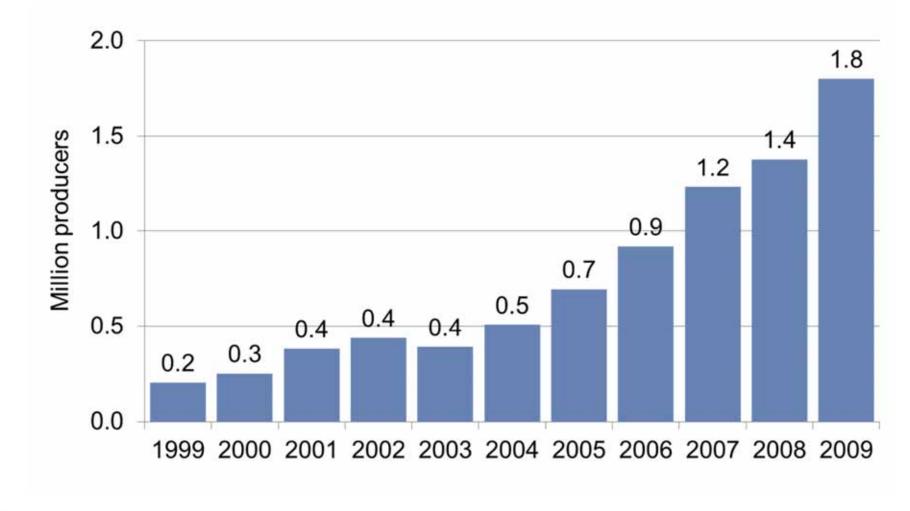


Source: FiBL/IFOAM Survey 2011, based on data from governments, the organic sector and certifiers

Organic producers by geographical region 2009 (total: 1.8 million)



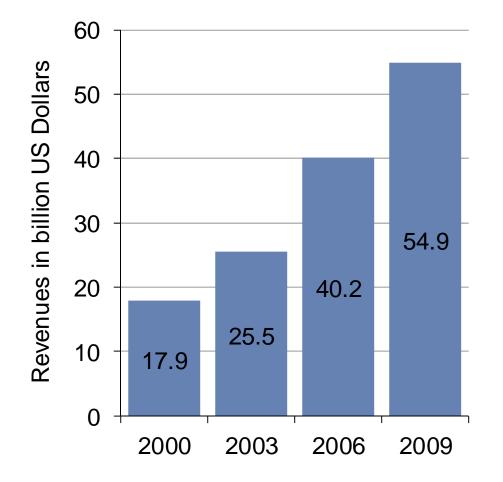
World: Development of organic producers 1999-2009





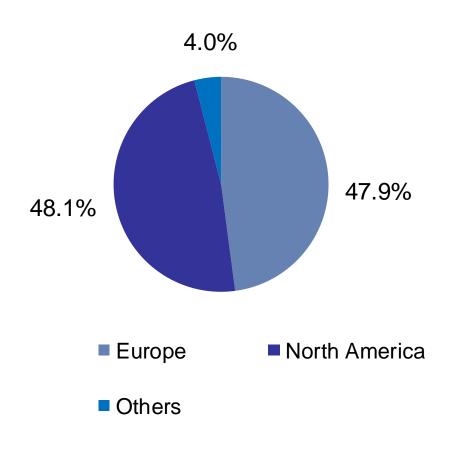
Source: FiBL, IFOAM & SOEL 1999-2011

Development of the global market for organic food and beverages



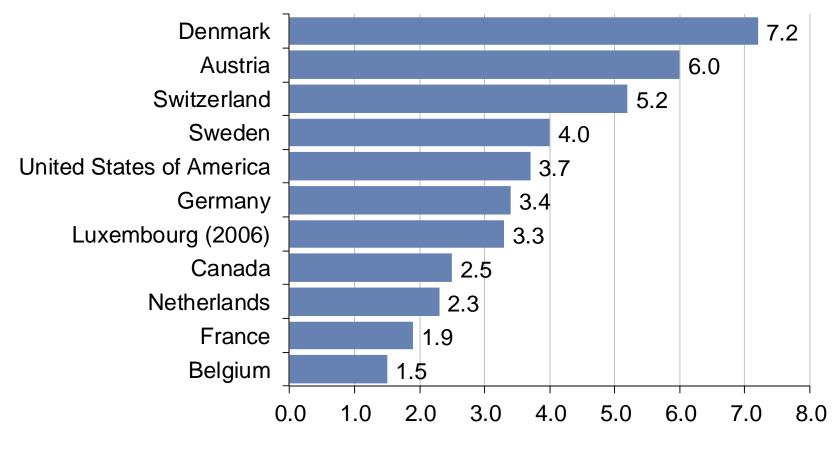


Distribution of organic food sales by region 2009





The countries with the highest shares of organic food sales 2009

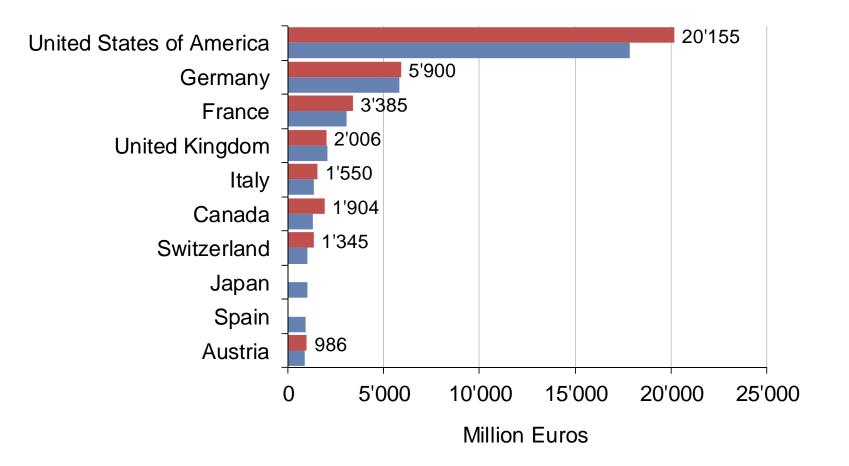


Market share in %



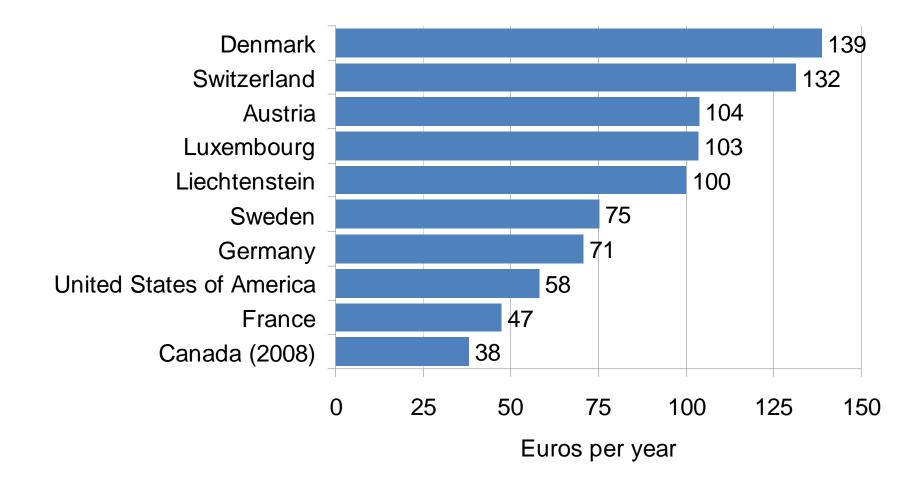
Source: Compiled by FiBL in cooperation with , AMI and ORC 2011, based on national sources

The countries with the largest domestic markets for organic food 2009 & 2010





The countries with the highest per capita consumption 2009





Source: Compiled by FiBL in cooperation with , AMI and ORC 2011, based on national sources

Next steps

- > Market data by commodity
- > Export totals and by commodity
- > Imports: totals and by commodity
- > Production



Data collection: Achievements and tools



The Global Survey on Organic Agriculture: Supporters

- > International Trade Centre, Geneva
- The Swiss State Secretariat of Economic Affairs SECO, Berne
- Nürnberg Messe, the organizers of t BioFach Organic Trade Fair





Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs FDEA State Secretariat for Economic Affairs SECO





SECO ITC project: Global information system for organic production and market data (2008-2011)

- Activities under the project: Global information system for organic production and market data
- The data database was set up and maintained by flexinfo, Frick, Switzerland,
- the existing classification for land use and crop data was expanded,
- a basic classification for manufactured products was developed,
- support was given to some developing countries for their data collection, and
- a study on the availability of data and on data collection systems world-wide was carried out
- > Website www.organic-world.net



From data collection to data processing

- **Step 1: Data collection**
- Step 2: Data procssing: Data classification
- **Step 3: Data storage**
- Stpp 4: Quality/plausibility checks
- **Step 5: Data compilation and evaluation**
- **Step 6: Data dissemination**



Step 1: Data collection

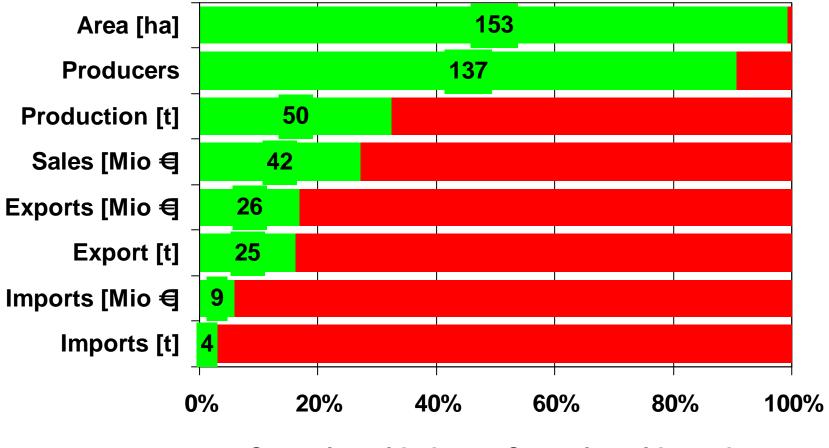


The network

- The network of experts who contribute to the data collection consists of more than 200 personalities from 160 countries.
- They are from the private organic sector, from certification agencies and from governments.
- They provide data on organic land area, operators, production, market or international trade.
- Without their help and support it would not be possible to carry out the data collection on organic agriculture worldwide.



Data availability for key variables 2008; Number of countries per variable; total: 154 countries

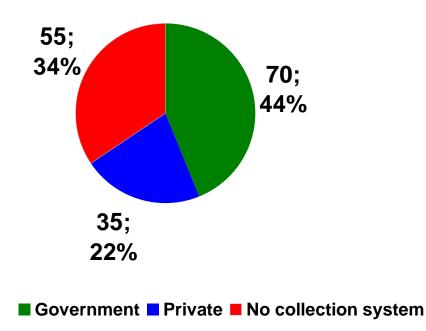


Countries with data Countries without data



Source: FiBL & IFOAM 2010

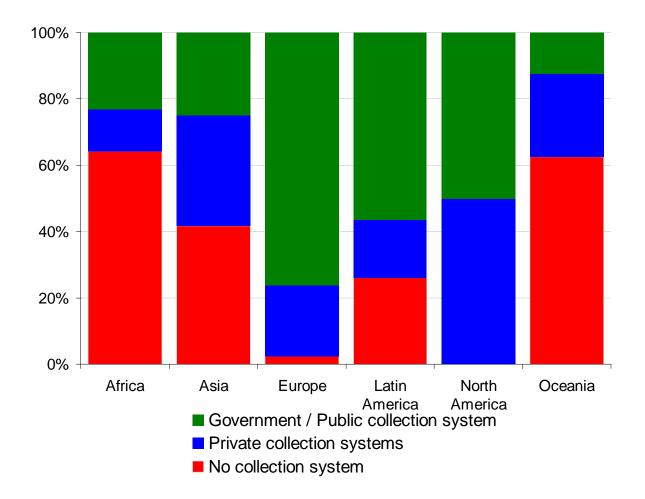
Organic data collection systems world-wide 2009 for data on area, operators and production (total 160 countries)



- Government collection systems (70 countries)
 - > Data from the certifiers
 - Census/farm structure survey
 - > Direct payments
- > Private collection systems (35 countries)
 - > Data from the certifiers
 - > Company data
- No collection system (55 countries)
 - FiBL and IFOAM collect the data from the international certifiers

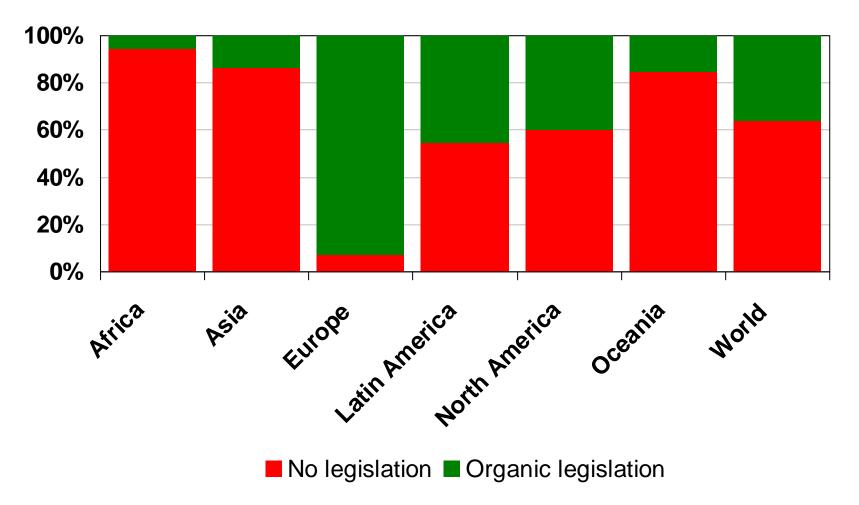


Data collection systems for production data by geographical region 2008



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Countries with organic legislations





Collection systems for government data

- Most countries that have an organic regulation also collect basic data on organic agriculture.
- In some cases data collection is stipulated in organic regulations.
- Government data are based on the following information sources:
 - > Data from the certifiers
 - > Farms that receive direct payments as the basis for the data
 - > Farm structure survey



Data from certifiers

- It is generally accepted that the data of the certifiers yield the best information on the status of organic production in a country.
- Most governments and private sector organisations that collect data on organic agriculture collect these among the certifiers.

> +

- > High level of completeness (not estimates)
- > Up-to-date
- Data on conversion status may show future supply with organic products
- **>**
 - > Non-standardised land use/crop classification system
 - > Varying quality of collection systems
 - > In many countries reliant on 'voluntary' collaboration of control bodies
 - Many countries (China, Serbia) do not have access to the data of foreign certifiers that are not registered under the country's accreditation system



International certifiers that provided data for several countries (2009 data)







CONTROL UNION CERTIFICATIONS











Soil Association



Networks, transnational data collection efforts











Data collection systems for data on the domestic market

- > Commercial market research data
 - Scanner data, often supplemented with household panel data (AC Nielsen)
 - > Household panel data (GFK)
- > Market research of the private sector
 - > Survey among the market actors in the country
 - > Published company data & estimates

Problems

- > Methodologies differ from country to country;
- > No standardised classification system for organic products;
- > Market data are not included in regular/official statistics
- > By the time they are available, the statistical data too historical for use by market actors;
- > Lack of comparability due to differing methodologies;
- Incomplete coverage;
- > Uncertain data quality.



Export data

- For 2008, twenty-five countries provided data on export values, and 26 on export values for the global survey on organic agriculture.
- In most cases only a total value is available, but not a breakdown by product.
- Very good export statistics are provided for instance by Argentina, Denmark and Peru.
- Export data can be based on the information of certifiers (Argentina), on company information (Denmark), or on information from customs (Peru).



Import data

- Imports: In 2008, nine countries provided data on import values, and four on import volumes for the global survey on organic agriculture.
- In many cases only a total value is available, but not a breakdown by product.
- Import data can be based on the import permits (Italy), company data (Denmark), potentially also customs data.



Problems with import and export (trade) data

- > Most problematic area as few good models exist
- > Inspection bodies do not collect and/or release data
- > Organic is not separately identified in trade statistics
- > Businesses highly sensitive to confidentiality issues



Step 2: Data classification



Questionnaire: Overview sheet

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1	Global Organic Survey - Data per 31.12.	2009				
2	Contact details, summary sheet					
3						
4	Contact details of data provider					
5	Name					
6	Institution acroonym	ADA 001				
7	Institution	test				
8	Street/PO Box					
9	City, Postal code	0				
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21	Summary Key indictors	Value	Unit	Data year*	Cover- age**	Sou (Acron
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Questionnaire: Operator types

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	A	B	C	D
1		Organic Survey - Operators	per 31.12.2009	
2				
3		Registered operators	End of 2009	
4		Producers		
5	A	Registered producers ONLY (1)	0	1
	A1	Registered agricultural producers		
7	A2	Registered aquaculture producers		
8		Registered mixed producers (involved also in other activities) (4)		
9		Smallholders in grower groups		
10		Total producers and smallholders	0	
11		Processors		
12	В	Registered processors ONLY (2)		
13		Registered mixed processors (involved also in other activities) (4)	1	
14		Total processors	1	
15		Importers		
16	C	Registered importers ONLY (3)		
17		Registered mixed importers (involved also in other activities) (4)		
18		Total importers	0	
19		Exporters		
20	D 1	Registered exporters ONLY (3)		
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Questionnaire: Crop details

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13	Crops/Land use	In-conversion agricultural land [ha]	Fully converted agricultural land [ha]	Total [ha]	Production volume [t]	Production value [Mio €]	Export volume [t]	Export value [Mio €]	D(m
1	Agricultural land and crops	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	(excluding aquaculture, wild collection, apiculture)	0.0	0.0	0.0	0.0	0.0		0.0	
	Agricultural land for which no details are available	(0.0					Г
_	Arable crops	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Arable crops, no details			0.0					-
	Cereals for the production of grain (incl. seeds and rice)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	F
	Cereals for the production of grain (incl. seeds and rice), no details			0.0					⊢
0	Cereals, excluding rice	0,0	0.0	0.0	0.0	0.0	0.0	0.0	
2	Wheat, no details			0.0					
3	Durum wheat		1	0.0			1	1	
4	Common wheat and spelt	0.0	0.0	0.0		0.0	0.0	0.0	
5	Common wheat and speR, no details			0.0			-f		
6	Soft wheat, human consumption			0.0					
7	Soft wheat, animal feed	8 		0.0				6	23
5	Grain maize and corn cob mix			0.0					
7	Barley, no details			0.0	-			1	
13	Rye and meslin, no details	-		0.0					1
8	Oats			0.0					-
9	Triticale			0.0					-
0	Buckwheat Millet, no details			0.0					+
6	Quinoa			0.0					+
0	Amaranto	-		0.0					-



Questionnaire: Livestock

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3 Livestock	Production volume [numbers]	Production volume [t]	Production value [Mio €]	Export volume [t]	Export value [Mio€]	Domestic market volume [t]	Domestic mari value [Mio €]
4 Live animals (average annual stock)		0.0	0.0	0.0	0.0	0.0	
5 Live animals for which no details are available							
6 Bovine animals	0.0	0.0	0.0	0.0	0.0	0.0	
7 Bovine animals, no details							
8 Bovine animals less than 1 year old	0.0	0.0	0.0	0.0	0.0	0.0	
9 Bovine animals less than 1 year old , no details							
0 Calves for slaughter							
1 Other calves			-				
2 Bovine animals aged between 1 and 2 years	0.0	0.0	0.0	0.0	0.0	0.0	
3 Bovine animals aged between 1 and 2 years, no details							
4 Bovine animals aged between 1 and 2 years for slaughter	ſ				1		
5 Other bovine animals aged between 1 and 2 years			-		-		
6 Bovine animals of two years and older	0.0	0.0	0.0	0.0	0.0	0.0	
7 Bovine animals of two years and older, no details						-	
8 Dairy cows							
9 Suckler cows							
0 Bovine animals of 2 years and over for slaughter							
1 Other bovine animals of 2 years and over	1 8					3	1
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Questionnaire: Manufactured products

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	Manufactured products	Production volume [t]	Production volume [hl]	#BEZUG!	Export volume []	#BEZUG!	Do
3	(including products from live animals)						vol
14	Manufactured products (including products from live animals)	0.0	0.0	0.0	0.0	0.0	
1.	Manufactured products for which no details are available	-					
6	Prepared food and feedstuffs	0.0	0.0	0.0	0.0	0.0	
7	Prepared food and feedstuffs, no details						
8	Meat and fish products	0.0	0.0	0.0	0.0	0.0	
9	Meat and fish products, no details						
0	Meat	0.0	0.0	0.0	0.0	0.0	
1	Meat, no details						
2	Beef						-
3	Pork						-
4	Sheep						-
6	Goats						-
7	Meat, no details				1		-
n.	Conserve and physical and the second se		I		1		-
	Operators / Land use and primary crops / Livestock / Products (animal, processed) /	<			. 195	A	3
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Step 3: Data storage



The database: Core table and related tables

Objekte	Name	Beschreibung	Geändert	Erstellt
Tabellen Abfragen	 Erstellt eine Tabelle in der Entwurfsansicht Erstellt eine Tabelle unter Verwendung des Assister Erstellt eine Tabelle in der Datenblattansicht 			
Formulare	BioGlobal_TAB	zentrale Tabelle	09.11.2010 16:27:57	30.12.2009 16:57:0
Berichte	dim_Crop_TAB	Kultur-Master mit Hierarchie-Ebenen	05.11.2010 19:41:32	30.12.2009 16:57:
Seiten	dim_Region_TAB	Kopie aus DatenPool - nicht automat	09.11.2010 16:28:37	12.05.2010 16:29:
2 Makros	dim_Source_TAB	Quellen-Master mit Hierarchie-Ebenen	08.11.2010 11:28:41	30.12.2009 16:57:
	Einfügefehler		01.11.2010 18:34:57	01.11.2010 18:34:
& Module	FAO Kulturen TAB	Umrechnung FAO-Terms in L-Codes	30.12.2009 16:57:38	30.12.2009 16:57:
Gruppen	◆INS FAO Kulturen XLS		29.12.2009 12:42:10	29.12.2009 12:42:
Favoriten	◆ ■ FAO Production XLS		23.12.2009 13:57:50	23.12.2009 13:57:
	♦Æ FAO_2007_production_CSV	FAO CSV Export nur Produktion - nic	10.12.2009 16:59:47	10.12.2009 16:58:
Import	ISO_3166-2_TAB		12.05.2010 17:10:56	12.05.2010 16:28:
Plausi	Link_TAB	Links zu Quellen wir FAO auch M	30.12.2009 16:57:38	30.12.2009 16:57:
	→ ② Links_TXT		10.12.2009 16:10:35	10.12.2009 16:10:
	♦ Questionairy_TXT		17.12.2009 12:17:58	07.09.2009 11:58:
	Tabelle16		06.07.2010 16:07:01	11.04.2010 15:24:



Database: The core table

Package -	Year 17	Country	- Kultur -	Indicator .	Label 🖓	Value -		
NAPQMS f001	2009	Korea, Republic of	Beef	Production [t]	organic	423.00	0	
NAPQMS f001	2009	Korea, Republic of	Agricultural land and crops, no details	Area [ha]	organic	13'343.00		E
NAPQMS f001	2009	Korea, Republic of	Soy, oil	Imports [t]	organic	1'760.00		E
NAPQMS f001	2009	Korea, Republic of	Beans, edible	Imports [t]	organic	160.00		E
VAPQMS f001	2009	Korea, Republic of	No details	Imports, total [t]	organic	9'063.00	6	E
NAPQMS f001	2009	Korea, Republic of	Livestock products, other, measured by weight (1000 kg)	Production [t]	organic	585 <mark>.</mark> 00		E
IAPQMS f001	2009	Korea, Republic of	Milk	Production [t]	organic	9'270.00	0	E
NAPQMS f001	2009	Korea, Republic of	Eggs	Production [t]	organic	529.00		E
NAPQMS f001	2009	Korea, Republic of	Maize, grain	Imports [t]	organic	2'000.00	2	E
NAPQMS f001	2009	Korea, Republic of	Pork	Production [t]	organic	124.00	2	E

FiBL www.fibl.org

Database: Source management

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Data base: Crop/product dimension table

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the second s	08/0/05/219	121 21 2 2	V N . A DA								
ID Crop0	Crop1	Crep2	Crep3	Crop4	Crop5	Crap	cKultur	nermark.	freq		
1 Primary Produc	tion Agricultural land and crops	Permanent crops	Other permanent crops	Acacia senegalensis	Acacia sanegalansis	Acacia senegalenzis	L102+08		2		
191 Primary Produc	tion Agricultural land and crops	Agricultural land and creps	Agricultural land and crops	Agricultural land and crops	Agricultural land and crops	Agricultural land and crops	L1	ex no details			
1512 Primary Produc			Agricultural land and crops, no details	Agricultural land and crops, no details	Agricultural land and crops, no details	Agricultural land and crops, to details	L100				
1809 Primary Produc		Agricultural land and crops, other		Agricultural land and crops, other	Agricultural land and crops, other	Agricultural land and crops, other	Ltzz				
1113	Manufactured products	Prepared food and feedstuffs	Beverages	Alcohol, spints, liqueurs and other spintuous beverages, no details	Alcohol; speits, inqueurs and other speituous beverages, no details	Alcoholic diniks	1.13.01		1		
1586	Manufactured products	Prepared food and feedstuffs	Beverages	Alcohol: spirits, liqueurs etc.	Alcohol and spirits	Alcohol and spets	1.13.01.03		1		
2 Primary Produc	tion Agricultural land and crops	Permanent crops	Nuts	Almonda	Almonda	Almanda	L102601		55		
1602	Manufactured products	Prepared food and feedstuffs	Fruit, berries and ruts, prepared and preserved		Almonda, shelled	Almonds, shelled	1.02.02.02		1		
3 Primary Produc	tion Agricultural land and crops	Arable crops	Medicinal and aromatic plants	Medicinal plants	Alor veta	Alos vera	L1019031		90		
5 Primary Produc	tion Agricultural land and crops	Arable crops	Cereals	Amaranta	Amaranto	Amaranto	L10111a				
1655	Manufactured products	Prepared food and feedstuffs	Oils and fats	Animal fats	Animalitats, no details	Animal fata	1.63.01		1		
6 Primary Produc	tion Agricultural land and crops	Arable crops	Plants harvested green	Annual plants harvested green	Annual plants harvested green	Annual plants harvested green	L101/01		23		
1735 Primary Produc	tion Agricultural land and crops	Arable crops	Plants harvested green	Annual plants harvested green	Annual plants harvested green, no details	Arrual plants harvested green, no details	L1019010				
7 Primary Produc	tion Agricultural land and crops	Arable crops	Plants harvested green	Annual plants harvested green	Annual plants harvested green, other	Annual plants harvested green, other	L10101g		4		
1840 Primary Produc	tion Apiculture	Apiculture	Apiculture	Apiculture	Apouture	Apiculture	L6				
1576	Manufactured products	Prepared food and feedatuffs	First, berries and ruts, prepared and preserved		Orange pice	Apple juice	1.02.03.05		1		
1274	Manufactured products	Prepared food and feedstuffs	Fruit, berries and rute, prepared and preserved		Apple juice concentrate	Apple juice concentrate	1.02.03.34		1		
1331	Manufactured products	Prepared food and feedstuffs	Condiments and seasonings	Vriegars	Apple wriegar	Apple vinagar	1.11.02.01		1		
8 Primary Produc	tion Agricultural land and crops	Permanent crops	Fruit, temperate	Pome fuit	Apples	Appies	L1021011		192		
9 Primary Produc	tion Wild collection	Fruit, wid	Apples, wild	Apples, wid	Appies, wid	Apples, wid	L4046		4		
10 Primary Produc	tion Agricultural land and crops	Permanent crops	Fruit, temperate	Stone fluit	Apresta	Apricots	L1021024		.44		
330 Primary Produc	tion Aquaculture	Aqueculture	Aquaculture	Aquaculture	Aquaculture	Aquaculture	LS	A K2" ??	- 4		
1540	Livestock	Livestock	Aquaculture	Aquaculture, animals, no details	Aquaculture, animals, no details	Aquaculture animals	Eurostat-L_10		- 4		
1911 Primary Produc	tion Aquaculture	Aqueculture	Aquaculture products	Aquaculture products	Aquaculture products	Aquaculture products	NEU 5.11.2010	A K2" ??	4		
1552	Manufactured products	Prepared food and feedstuffs	Fresh or chilled fish, marine, farmed (1000	Shrimpa	Stvimps	Aquaculture products: Stvimps	K104601	replace in Data then remove	7		
1365 Primary Produc		Aquaculture, no details		Aqueculture, ne details	Aquaculture, no details	Aquaculture, ne details	L500	25	6		



Step 4: Quality checks



Plausibility checks: Comparing the organic figures with the respective totals (from FAOSTAT)

	BArea [ha]							
	€ 2009							
	Europe	-						
	Austria				Bulg	aria		
▼ M ▼ Mai ▼ Crop	Records	Total	Organic	6org	_		rganic	gro%
ultural land and crops	117	3'948'155	518'757	13.1%		6'003'711	12'320	0.2
	2	2'803'862	595	0.0%		3'050'740	12 320	0.0
Agricultural land and crops, no details			165'602				EVER A	
Arable crops	94	1'076'702		15.4%	85	2'783'166	5'554	0.2
■Arable crops, no details	1		878	9				
BArable crops, no details	2		070					
Arable crops, no details	1		878		1.00			
BCereals	21	830'609	89'614	10.8%	_	1'829'180	2'758	0.2
· Cereals, no details	1	31'529		0.0%		200		0.0
Cereals, other	1		3'669		1		92	
Barley	3	181'525	10'486	5.8%	2	258'449	307	0.1
Buckwheat	1	0			-			
⊕ Millet	1	4'295		0.0%	_	4'363		0.0
	2	26'558	7'074	26.6%	2	19'996	132	0.7
	2	50'640	11'272	22.3%	2	5'958	140	2.3
⊞ Rye	2	48'528	14'442	29.8%	2	9'953	353	3.5
Wheat	5	309'034	34'312	11.1%	3	1'247'720	1'655	0.1
Maize, grain	3	178'500	8*359	4.7%	2	274'229	79	0.0
Rice					1	8'312		0.0
 Flowers and ornamental plants Flowers and ornamental plants, r 	1 no details		4	54				
Flowers and ornamental plants,	1		4					
Industrial crops	1		357					
Oilseeds Elinseed	14	134'024	7'922	5.9%	9	820'763	444	0.1
Linseed	2	535	72	13.5%	1	180		0.0
Oilseeds, no details	3	25'365	71	0.3%	2	18'086		0.0
Peanuts Peanuts Pumpkin seeds				34	1	10'000		0.0

DE

20%



Plausibilty checks 2: Organic – versus total yields

	Europ	be												
	Turke	ey						BUkra	ne					
	###							###						
	Record	Area [ha]		Production [t]		Yield	(t/na)	Record	Area [ha]		Production	[1]	Yield	Tuh
× × × ×	total org	total	organic	total	organic	total	organic	total org	total	organic	total	organic	total	org
Agricultural land and crops	191 ##	43'440'826	325'831	102'796'991	337'863	2.4		150 ##	65'377'338	270'193	96'289'371	487'700	1.5	1.
Cropland, no details	3		-89'323						-				1	-
Cropland, no details	3		-89'323			1								
Cropland, no details						1								
Cropland, no details	2		-89'323											
E Agricultural land and crops, no det	1	25'180'000	-00 020					1 1	41'292'000					
B Agricultural land and crops, in		25'180'000					•	1 1	41'292'000					
B Agricultural land and ci						2	•		11202 000					*
Agricultural land and o	1	25'180'000						1 1	41'292'000					-
Arable crops	122 ##	15'771'944	221'326	86'412'057	151'938	5.5	0.7	103 ##		203'672	94'261'032	486*700	4.0	2.
😑 Cereals	18 27	11'954'851	115'660	33'567'893		2.8					45'406'000		3.0	
Cereals, no details								2	2'100		3'500		1.7	
E Cereals, other								2		10'000				
Barley	2 4	2'977'330	13'606	7'300'000	3*206	2.5	0.2	2 2	4'993'500	25'598	11'833'100		2.4	_
Buckwheat								2 5	254'300	3*292	188'600	2'000	0.7	0.
① Millet	4	3'356		7'561		2.3		4 3	121'700	2'112	181'000		1.5	
⊕ Oats	2 4	92'684	242	218'286	344	2.4	1.4	2 5	415'700	3'755	730'700	6'000	1.8	1.
I Triticale	2 3	28'373	1	98'716	5	3.5	9.4	2		1'847				
3 Rye	2 4	138'488	729	343'330	203	2.5	0.3	2 5	461'000	7'120	953'500	13'000	2.1	1.
⊕ Wheat	2 4	8'026'900	98'607	20'600'000	25'788	2.6	0.3	2 7	6'752'900	56'626	20'886'400	160'000	3.1	2
🗄 Maize, grain	2 4	591'279	2'421	4'250'000	18'921	7.2	7.8	2 5	2'089'100	23'730	10'486'300	90'000	5.0	3
⊞ Rice	2 4	96'441	54	750'000	197	7.8	3.6	2 1	24'500		142'900		5.8	
Industrial crops	4		1'648		1'779		1.1	2		100				÷.,
⊖ Oilseeds ⊖ Linseed	18 14	750'980	833	1'374'855	478	1.8	0.6	12 24	6'034'445	44'465	9'418'041	57'400	1.6	1
Linseed	2 4	20	1	10	2	0.5	2.0	2 5	18'000	796	12'000	400	0.7	0
Oilseeds, no details	4	48'893		34'194	-	0.7	and the second se	4	187'245		128'641		0.7	_
Peanuts Peanuts	2	25'335		90'081		3.6								



Comparing two years

		2008	2009	
Europe	Albania	270	500	85.3
	Andorra		2	
	Austria	492'632	518'757	5.3
	Belgium	35'721	41'459	16.1
	Bosnia ar	691	580	-16.1
	Bulgaria	16'663	12'320	-26.1
	Channel	430	430	
	Croatia	10'010	14'194	41.8
	Cyprus	2'322	3'816	64.3
	Czech Re	341'632	398'407	16.6
	Denmark	150'104	156'433	4.2
	Estonia	87'346	95'167	9.0
	Faroe Isl	12	12	
	Finland	150'374	166'171	10.5
	France	583'779	677'513	16.1
	Germany	907'786	947'115	4.3
	Greece	317'824	326'252	2.7
	Hungary	122'816	140'292	14.2
	Iceland	6'970	6'661	-4.4
	Ireland	44'751	47'864	7.0
	Italy	1'002'414	1'106'684	10.4
	Latvia	161'625	160'175	-0.9
	Liechten	1'053	1'005	-4.6
	Lithuania	122'200	129'055	5.6
	Luxembo	3'535	3'614	2.2
	Macedor	3'380	1'489	-55.9
	Malta	12	26	118.7
	Moldova	11'695	32'105	174.5
	Montene	1'876	4'603	



Data compilation and dissemination

DECANE ACREMENTER WORLDWIDE RESERVEY OF THE GLOBAL SURVEY.

Shares of organically managed agricultural land by region and country

The share of the world's organic agricultural of all agricultural land is 0.85 percent.

By region, the share is highest in Oceania (2.8 percent), followed by Europe with 1.9 percent and Latin America with 1.4 percent. In the 27 countries of the European Union, the share of organically managed land is more than 4.7 percent. In the other regions, the share of organically managed land is less than one percent (see Table 2).

Many countries, however, exhibit much higher percentages (Figure 3, Figure 4) and seven countries have even reached shares of more than ten percent of the agricultural land, most of these in Europe. The country with the highest share is the Falisland Islands (Malvinas), where several large sheep farms are working organically. It is interesting to note that many island states have high shares.

However, 68 percent of the countries for which data are available have less than one percent organic agricultural land.

Table 2: Organic agricultural land (including in-conversion areas) and shares of total agricultural land 2009

	Agr. land (hectares)	Share of total agr. land
Africa	11096532	6.375
Adla	3382910	0.25%
Europe	972597934	1.8/%
Latin America	#35#910	1.2%
Oceania	1715736	3.82%
Northern America	3%52%34	4.58%
Total	3573357337	6.85%

Southin PRE/SPCIAM Survey 2011

shares of total agricultural land (melading only the countries that are included to the survey).

In order to calculate the percentages, the data for most countries were taken from the FAO Statistical database FAOSTAT (as of 2008).¹ For the European Union, most data were taken from Eurostat.³ Where available, data for total agricultural land from ministries was used (for instance U.S., Switzerland, and Austria), which nometimes differ considerably from those published by Eurostat or FAOSTAT.

Please note that in some cases the calculation of the shares of organically managed land, based on the Eurostat and FAOSTAT data, might differ from the organic shares obtained from ministries or local experts.

* INDITAT, Data Anthrea, the FAD Homesage, FAD, Rome at fasitat faa.org + Resources + Resourcedat at http://toostat.tao.org/sto/377/details.apatorcor 7 Hurtostati Hasht data - key agricultural statistica at

http://oc.europa.nu/apteulturo/apteu/2007/table_m/2012.pdf; The Narostat Homesoge, Narostat, Laurebourg

22

ORCANIC ACREMENTARY WORLDWIDE: RESILETS OF THE GLOBAL SURVEY.



Figure 3: The ten countries with the highest shares of organic agricultural land 2009

Source: IRE/IRIAM Survey 2011, based on data introgovernment holles, the private orgenic sector and attitions. For detailed data sources see annex.

Source Will/IPCAM Survey 2011, based on data from government hodies, the private organic sector and

Figure 4: Distribution of the shares of or-ganic agricultural land 2009

certifiers. For detailed data sources see atmox.

124

Related tables

Annex

40

- Table 38: Organic agricultural land, share of total agricultural land and number of producets
- Table 43: Shares of organic agricultural land by country 2009, sorted
- Table 42: Share of organic aericultural land: The top ten countries per region 2000

www.Organic-World.net > Password area (organic2011; organicworld)

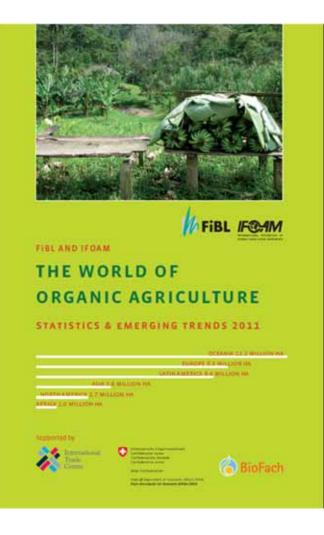
- Organic agricultural land, share of total agricultural land and number of producers; in much format
- Shates of organic agricultural land 2005-2009; in excel format
- Power Point presentation with key results on organic agricultural land



Quelle:

The World of Organic Agriculture 2011

- The 12th edition of ,The World of Organic Agriculture', was published by FiBL and IFOAM in February 2011.*
- > Contents:
 - Results of the survey on organic agriculture worldwide;
 - Organic agriculture in the regions and country reports;
 - Armenia, Australia, Canada, Chile, China, Costa Rica, Indonesia, Kazakhstan, Republic of Korea, Pacific Islands, Switzerland, Tunisia, Uganda, United States and Ukraine.
 - Chapters on the global market, standards & legislations, voluntary standards and organic beekeeping
 - > Numerous tables and graphs.
 - > The book can be ordered via IFOAM.org and shop.FiBL.org.
 - *Willer, H, and Kilcher, L. (2011) The World of Organic Agriculture. Statistics and Emerging Trends 2011. IFOAM, Bonn, and FiBL, Frick







Data tables in excel

ORGANIC AGRICULTURAL LAND

Organic agricultural land/share of total agricultural land/development by country and region, Last update June 16, 2011

Organic agricultural land (in-conversion and fully converted) by country: share of total agricultural land 2005-2009 (sheet 1) (491 KB)

HTML version (only via internet explorer)

Organic agricultural land (in-conversion and fully converted) by geographical region; share of total agricultural land 2005-2009 (sheet 2) (491 KB)

HTML version (only via internet explorer)

Organic agricultural land (in-conversion and fully converted) by geographical region 1999-2009 (sheet 3) (491 KB)

HTML version (only via internet explorer)

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The World of Organic Agriculture 2011

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The World of Organic Agriculture 2010



Dynamic data tables

Home > Statistics > Data tables > Dynamic data table

FiBL www.fibl.org

Data tables Dynamic data table	Dynamic Data Table with Key Data From the FiBL/IFOAM Survey	On this passage > Disclaimer/Copyright
Excel sheets Data sources	Please choose at least one Region or one Country.	notice data tables
Data collection	Region	
Data revisions		
Data background	Africa	
Official international statistics	Asia Europe Latin America Northern America	
Search	Country	
	Afghanistan Albania Algeria	
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FiBL	Item Year y-axis	
	Area (ha) 2005 Year %Organic 2006 Item Producers 2007	

Conclusions

- Data on organic farming are needed for policy makers as a decision tool and to assess the success of policy measures, and for market actors to assess the market/economic impact.
- More information on production, domestic supply with organic food, export volumes and yields is needed.
- > There is a clear need for governments to provide better data.
- With more and more countries implementing organic farming regulations data collection activities should be eased in the future, and governments should support such activities.



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