

Full Planet, Empty Plates

Supporting Data for Chapter 3: Moving Up the Food Chain

TOTAL ANIMAL PROTEIN

[World Animal Protein Production by Type, 1950-2010](#)

GRAPH: World Animal Protein Production by Type, 1950-2010

[World Animal Protein Production Per Person by Type, 1950-2010](#)

GRAPH: World Animal Protein Production Per Person by Type, 1950-2010

MEAT AND FEEDGRAINS

[World Meat Production by Type, 1950-2010](#)

GRAPH: World Meat Production by Type, 1950-2010

[World Meat Production Per Person by Type, 1950-2010](#)

GRAPH: World Meat Production Per Person by Type, 1950-2010

[Meat Consumption in Top Ten Countries, 2009](#)

[Meat Consumption Per Person in Top Ten Countries, 2009](#)

[Beef Consumption in Top Ten Countries, 2009](#)

[Beef Consumption Per Person in Top Ten Countries, 2009](#)

[Pork Consumption in Top Ten Countries, 2009](#)

[Pork Consumption Per Person in Top Ten Countries, 2009](#)

[Poultry Consumption in Top Ten Countries, 2009](#)

[Poultry Consumption Per Person in Top Ten Countries, 2009](#)

[Meat Consumption in China and the United States, Total and by Type, 1960-2012](#)

GRAPH: Meat Consumption in China and the United States, 1960-2012

GRAPH: Beef Consumption in China and the United States, 1960-2012

GRAPH: Pork Consumption in China and the United States, 1960-2012

GRAPH: Poultry Consumption in China and the United States, 1960-2012

[Meat Consumption in the United States, 1909-2012](#)

GRAPH: Meat Consumption in the United States, 1909-2012

GRAPH: Meat Consumption by Type in the United States, 1909-2012

[Meat Consumption Per Person in the United States, 1909-2012](#)

GRAPH: Meat Consumption Per Person in the United States, 1909-2012

GRAPH: Meat Consumption Per Person by Type in the United States, 1909-2012

[Feedgrain Use in China and the United States, 1960-2011](#)

GRAPH: Feedgrain Use in China and the United States, 1960-2011

FISH

[World Wild Fish Catch and Farmed Fish Production, 1950-2010](#)

GRAPH: World Wild Fish Catch and Farmed Fish Production, 1950-2010

[World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010](#)

GRAPH: World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010

[Fish Consumption in Top Ten Countries, 2009](#)

[Fish Consumption Per Person in Top Ten Countries, 2009](#)

[Farmed Fish Production in China and the United States, 1950-2010](#)

GRAPH: Farmed Fish Production in China and the United States, 1950-2010

MILK

[World Milk Production, 1961-2010](#)

GRAPH: World Milk Production, 1961-2010

[World Milk Production Per Person, 1961-2010](#)

GRAPH: World Milk Production Per Person, 1961-2010

[Milk Consumption in Top Ten Countries, 2009](#)

[Milk Consumption Per Person in Top Ten Countries, 2009](#)

[Milk Production in India and the United States, 1961-2010](#)

GRAPH: Milk Production in India and the United States, 1961-2010

EGGS

[World Egg Production, 1950-2010](#)

GRAPH: World Egg Production, 1950-2010

[World Egg Production Per Person, 1950-2010](#)

GRAPH: World Egg Production Per Person, 1950-2010

[Egg Consumption in Top Ten Countries, 2009](#)

[Egg Consumption Per Person in Top Ten Countries, 2009](#)

A full listing of data for the entire book is on-line at:

http://www.earth-policy.org/books/fpep/fpep_data

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

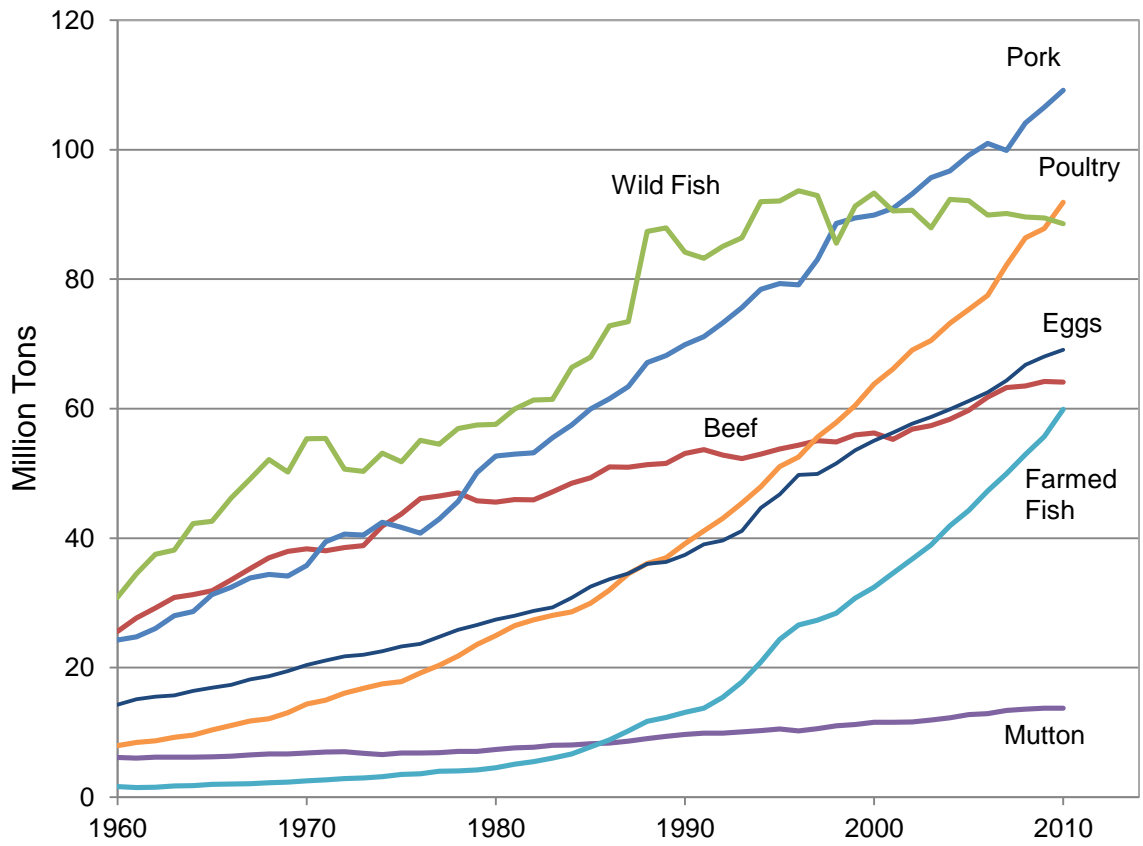
World Animal Protein Production by Type, 1950-2010

Year	Beef	Pork	Poultry	Mutton	Farmed Fish	Wild Fish	Milk	Eggs
Million Tons								
1950	19	16	4	5	1	17	n.a.	9
1951	20	19	5	4	1	19	n.a.	10
1952	20	20	5	5	1	21	n.a.	11
1953	22	21	5	5	1	21	n.a.	11
1954	23	22	6	5	1	23	n.a.	12
1955	24	22	6	5	1	24	n.a.	12
1956	26	23	6	5	1	26	n.a.	13
1957	26	24	7	5	2	26	n.a.	14
1958	26	25	7	6	1	27	n.a.	14
1959	26	26	8	6	2	29	n.a.	14
1960	26	24	8	6	2	31	n.a.	14
1961	28	25	8	6	1	35	344	15
1962	29	26	9	6	2	37	347	16
1963	31	28	9	6	2	38	344	16
1964	31	29	10	6	2	42	349	16
1965	32	31	10	6	2	43	365	17
1966	34	32	11	6	2	46	373	17
1967	35	34	12	6	2	49	382	18
1968	37	34	12	7	2	52	390	19
1969	38	34	13	7	2	50	391	19
1970	38	36	14	7	2	55	392	20
1971	38	39	15	7	3	55	395	21
1972	39	41	16	7	3	51	405	22
1973	39	40	17	7	3	50	412	22
1974	42	42	17	7	3	53	420	23
1975	44	42	18	7	3	52	425	23
1976	46	41	19	7	4	55	433	24
1977	46	43	20	7	4	55	446	25
1978	47	46	22	7	4	57	453	26
1979	46	50	24	7	4	57	460	27
1980	46	53	25	7	5	58	466	27
1981	46	53	26	8	5	60	470	28
1982	46	53	27	8	5	61	480	29
1983	47	55	28	8	6	61	499	29
1984	48	57	29	8	7	66	503	31
1985	49	60	30	8	8	68	512	33
1986	51	62	32	8	9	73	522	34
1987	51	63	34	9	10	73	521	35
1988	51	67	36	9	12	87	529	36
1989	52	68	37	9	12	88	536	36
1990	53	70	39	10	13	84	543	37
1991	54	71	41	10	14	83	533	39
1992	53	73	43	10	15	85	526	40
1993	52	76	45	10	18	86	528	41
1994	53	78	48	10	21	92	533	45
1995	54	79	51	11	24	92	540	47
1996	54	79	53	10	27	94	547	50
1997	55	83	56	11	27	93	551	50
1998	55	89	58	11	28	86	560	52
1999	56	89	60	11	31	91	571	54
2000	56	90	64	12	32	93	579	55
2001	55	91	66	12	35	91	589	56
2002	57	93	69	12	37	91	605	58
2003	57	96	71	12	39	88	616	59
2004	58	97	73	12	42	92	630	60
2005	60	99	75	13	44	92	649	61
2006	62	101	77	13	47	90	668	62
2007	63	100	82	13	50	90	686	64
2008	63	104	86	14	53	90	699	67
2009	64	107	88	14	56	89	708	68
2010	64	109	92	14	60	89	723	69

Source: Compiled by Earth Policy Institute with eggs data for 1950-1960 compiled by Worldwatch Institute from U.N. Food and Agriculture Organization (FAO), *1948-1985 World Crop and Livestock Statistics* (Rome: 1987); all other land-based animal protein data for 1950-1960 from Worldwatch Institute, *Signposts 2002*, CD-ROM (Washington, DC: 2002); and 1961-2010 from FAO, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012; with fish data from FAO, *Global Capture Production and Global Aquaculture Production*, electronic databases, at www.fao.org/fishery/topic/16140/en, updated March 2012; and with population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at esa.un.org/unpd/wpp/index.htm, updated 3 May 2011.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

World Animal Protein Production by Type, 1950-2010



Source: Worldwatch, FAO

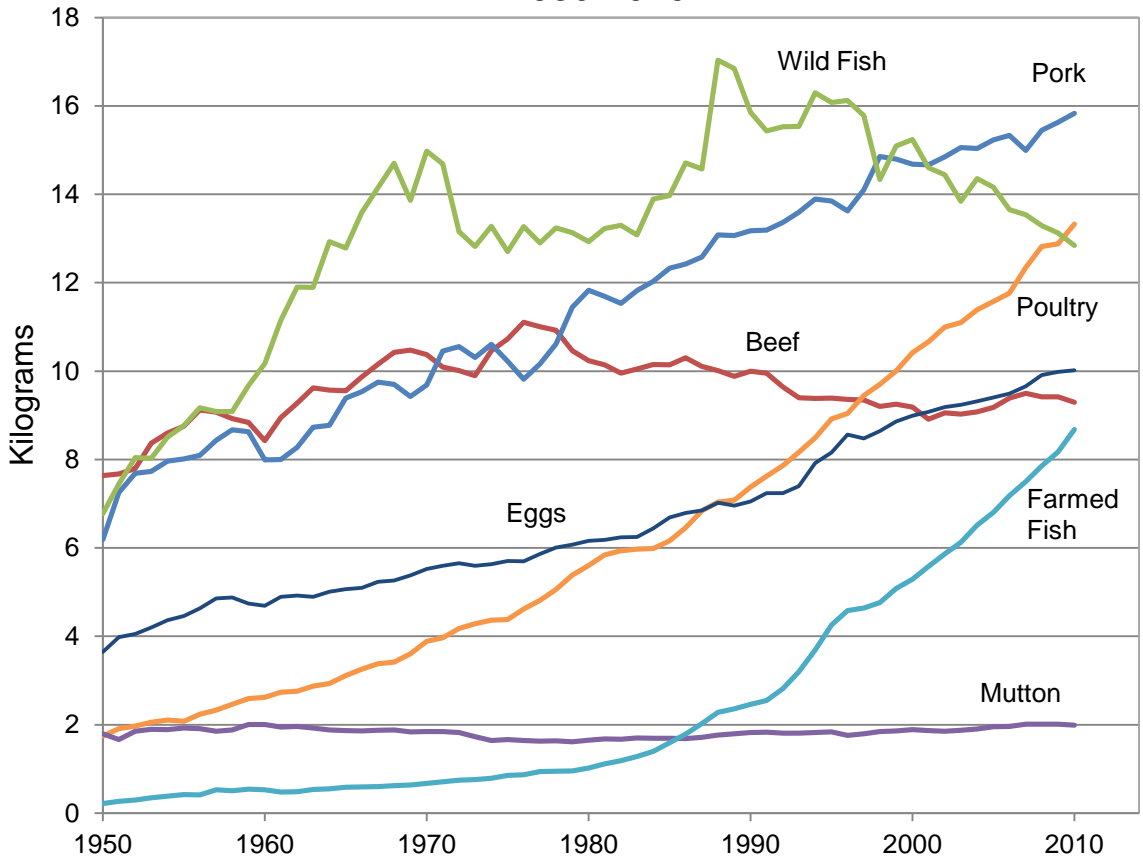
World Animal Protein Production Per Person by Type, 1950-2010

Year	Beef	Pork	Poultry	Mutton	Farmed Fish	Wild Fish	Milk	Eggs
Kilograms								
1950	7.6	6.2	1.7	1.8	0.2	6.8	n.a.	3.7
1951	7.7	7.3	1.9	1.7	0.3	7.5	n.a.	4.0
1952	7.8	7.7	2.0	1.8	0.3	8.0	n.a.	4.1
1953	8.4	7.7	2.1	1.9	0.3	8.0	n.a.	4.2
1954	8.6	8.0	2.1	1.9	0.4	8.5	n.a.	4.4
1955	8.8	8.0	2.1	1.9	0.4	8.8	n.a.	4.5
1956	9.1	8.1	2.2	1.9	0.4	9.2	n.a.	4.6
1957	9.1	8.4	2.3	1.9	0.5	9.1	n.a.	4.9
1958	8.9	8.7	2.5	1.9	0.5	9.1	n.a.	4.9
1959	8.8	8.6	2.6	2.0	0.5	9.7	n.a.	4.7
1960	8.4	8.0	2.6	2.0	0.5	10.2	n.a.	4.7
1961	8.9	8.0	2.7	1.9	0.5	11.2	111.2	4.9
1962	9.3	8.3	2.8	2.0	0.5	11.9	110.1	4.9
1963	9.6	8.7	2.9	1.9	0.5	11.9	107.3	4.9
1964	9.6	8.8	2.9	1.9	0.5	12.9	106.9	5.0
1965	9.6	9.4	3.1	1.9	0.6	12.8	109.5	5.1
1966	9.9	9.5	3.3	1.9	0.6	13.6	109.8	5.1
1967	10.2	9.8	3.4	1.9	0.6	14.2	110.0	5.2
1968	10.4	9.7	3.4	1.9	0.6	14.7	110.0	5.3
1969	10.5	9.4	3.6	1.8	0.6	13.9	108.0	5.4
1970	10.4	9.7	3.9	1.8	0.7	15.0	106.0	5.5
1971	10.1	10.5	4.0	1.8	0.7	14.7	104.7	5.6
1972	10.0	10.6	4.2	1.8	0.7	13.2	105.3	5.7
1973	9.9	10.3	4.3	1.7	0.8	12.8	105.0	5.6
1974	10.5	10.6	4.4	1.6	0.8	13.3	105.0	5.6
1975	10.7	10.2	4.4	1.7	0.9	12.7	104.2	5.7
1976	11.1	9.8	4.6	1.6	0.9	13.3	104.4	5.7
1977	11.0	10.2	4.8	1.6	0.9	12.9	105.6	5.9
1978	10.9	10.6	5.1	1.6	0.9	13.2	105.2	6.0
1979	10.5	11.4	5.4	1.6	1.0	13.1	105.0	6.1
1980	10.2	11.8	5.6	1.6	1.0	12.9	104.6	6.2
1981	10.1	11.7	5.8	1.7	1.1	13.2	103.6	6.2
1982	10.0	11.5	5.9	1.7	1.2	13.3	104.0	6.2
1983	10.0	11.8	6.0	1.7	1.3	13.1	106.2	6.2
1984	10.1	12.0	6.0	1.7	1.4	13.9	105.4	6.4
1985	10.1	12.3	6.2	1.7	1.6	14.0	105.3	6.7
1986	10.3	12.4	6.5	1.7	1.8	14.7	105.4	6.8
1987	10.1	12.6	6.8	1.7	2.0	14.6	103.5	6.9
1988	10.0	13.1	7.0	1.8	2.3	17.0	103.1	7.0
1989	9.9	13.1	7.1	1.8	2.4	16.8	102.8	7.0
1990	10.0	13.2	7.4	1.8	2.5	15.9	102.2	7.0
1991	10.0	13.2	7.6	1.8	2.5	15.4	98.9	7.2
1992	9.6	13.4	7.9	1.8	2.8	15.5	96.0	7.2
1993	9.4	13.6	8.2	1.8	3.2	15.5	94.9	7.4
1994	9.4	13.9	8.5	1.8	3.7	16.3	94.4	7.9
1995	9.4	13.9	8.9	1.8	4.3	16.1	94.3	8.2
1996	9.4	13.6	9.0	1.8	4.6	16.1	94.2	8.6
1997	9.3	14.1	9.4	1.8	4.6	15.8	93.6	8.5
1998	9.2	14.9	9.7	1.8	4.8	14.3	93.8	8.6
1999	9.3	14.8	10.0	1.9	5.1	15.1	94.4	8.9
2000	9.2	14.7	10.4	1.9	5.3	15.2	94.5	9.0
2001	8.9	14.7	10.7	1.9	5.6	14.6	95.1	9.1
2002	9.1	14.8	11.0	1.9	5.9	14.4	96.3	9.2
2003	9.0	15.1	11.1	1.9	6.1	13.8	96.9	9.2
2004	9.1	15.0	11.4	1.9	6.5	14.4	97.9	9.3
2005	9.2	15.2	11.6	2.0	6.8	14.2	99.6	9.4
2006	9.4	15.3	11.8	2.0	7.2	13.7	101.2	9.5
2007	9.5	15.0	12.3	2.0	7.5	13.5	102.5	9.7
2008	9.4	15.5	12.8	2.0	7.9	13.3	103.2	9.9
2009	9.4	15.6	12.9	2.0	8.2	13.1	103.0	10.0
2010	9.3	15.8	13.3	2.0	8.7	12.8	104.6	10.0

Source: Compiled by Earth Policy Institute with eggs data for 1950-1960 compiled by Worldwatch Institute from U.N. Food and Agriculture Organization (FAO), *1948-1985 World Crop and Livestock Statistics* (Rome: 1987); all other land-based animal protein data for 1950-1960 from Worldwatch Institute, *Signposts 2002*, CD-ROM (Washington, DC: 2002); and 1961-2010 from FAO, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012; with fish data from FAO, *Global Capture Production and Global Aquaculture Production*, electronic databases, at www.fao.org/fishery/topic/16140/en, updated March 2012; and with population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at esa.un.org/unpd/wpp/index.htm, updated 3 May 2011.

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World Animal Protein Production Per Person by Type, 1950-2010



Source: FAO, UNPop, Worldwatch

Earth Policy Institute - www.earth-policy.org

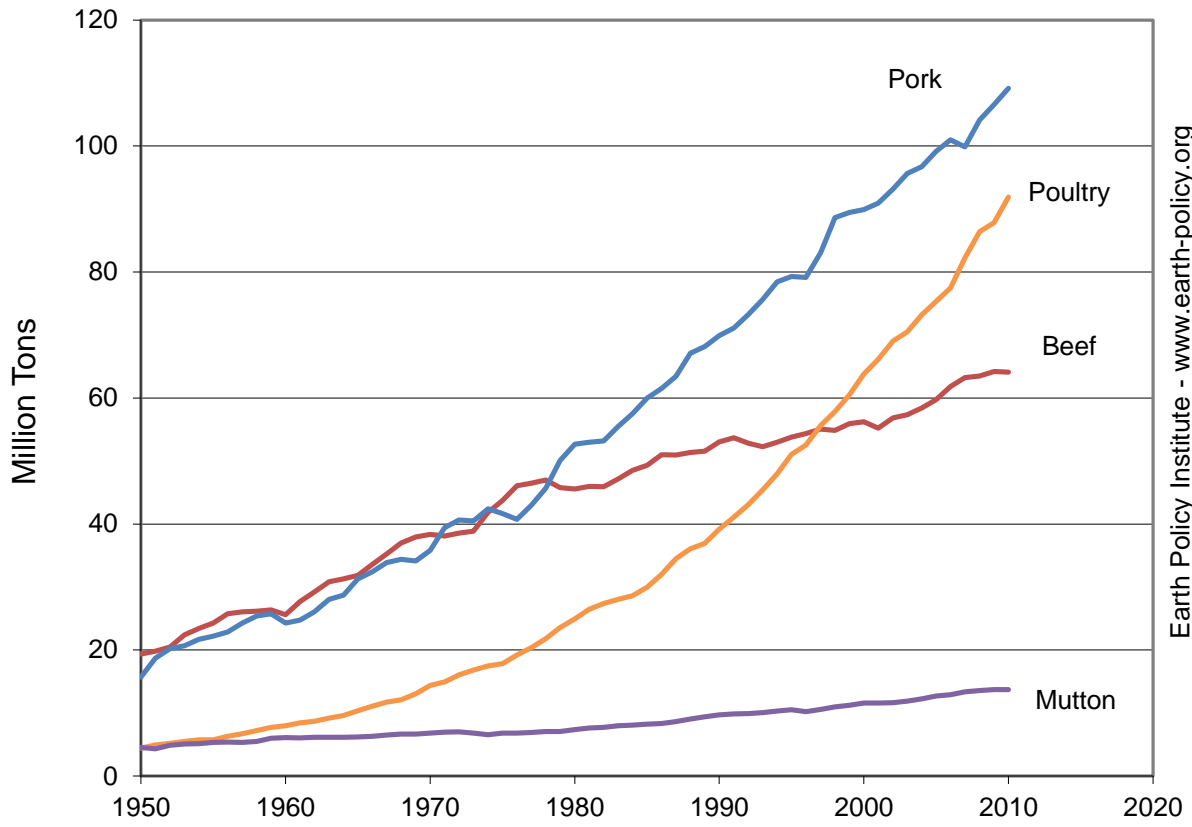
World Meat Production by Type, 1950-2010

Year	Beef	Pork	Poultry	Mutton
Million Tons				
1950	19	16	4	5
1951	20	19	5	4
1952	20	20	5	5
1953	22	21	5	5
1954	23	22	6	5
1955	24	22	6	5
1956	26	23	6	5
1957	26	24	7	5
1958	26	25	7	6
1959	26	26	8	6
1960	26	24	8	6
1961	28	25	8	6
1962	29	26	9	6
1963	31	28	9	6
1964	31	29	10	6
1965	32	31	10	6
1966	34	32	11	6
1967	35	34	12	6
1968	37	34	12	7
1969	38	34	13	7
1970	38	36	14	7
1971	38	39	15	7
1972	39	41	16	7
1973	39	40	17	7
1974	42	42	17	7
1975	44	42	18	7
1976	46	41	19	7
1977	46	43	20	7
1978	47	46	22	7
1979	46	50	24	7
1980	46	53	25	7
1981	46	53	26	8
1982	46	53	27	8
1983	47	55	28	8
1984	48	57	29	8
1985	49	60	30	8
1986	51	62	32	8
1987	51	63	34	9
1988	51	67	36	9
1989	52	68	37	9
1990	53	70	39	10
1991	54	71	41	10
1992	53	73	43	10
1993	52	76	45	10
1994	53	78	48	10
1995	54	79	51	11
1996	54	79	53	10
1997	55	83	56	11
1998	55	89	58	11
1999	56	89	60	11
2000	56	90	64	12
2001	55	91	66	12
2002	57	93	69	12
2003	57	96	71	12
2004	58	97	73	12
2005	60	99	75	13
2006	62	101	77	13
2007	63	100	82	13
2008	63	104	86	14
2009	64	107	88	14
2010	64	109	92	14

Source: Compiled by Earth Policy Institute with 1950-1960 data from Worldwatch Institute, *Signposts 2002*, CD-ROM (Washington, DC: 2002); 1961-2010 data from U.N. Food and Agriculture Organization, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012.

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World Meat Production by Type, 1950-2010



Source: Worldwatch, FAO

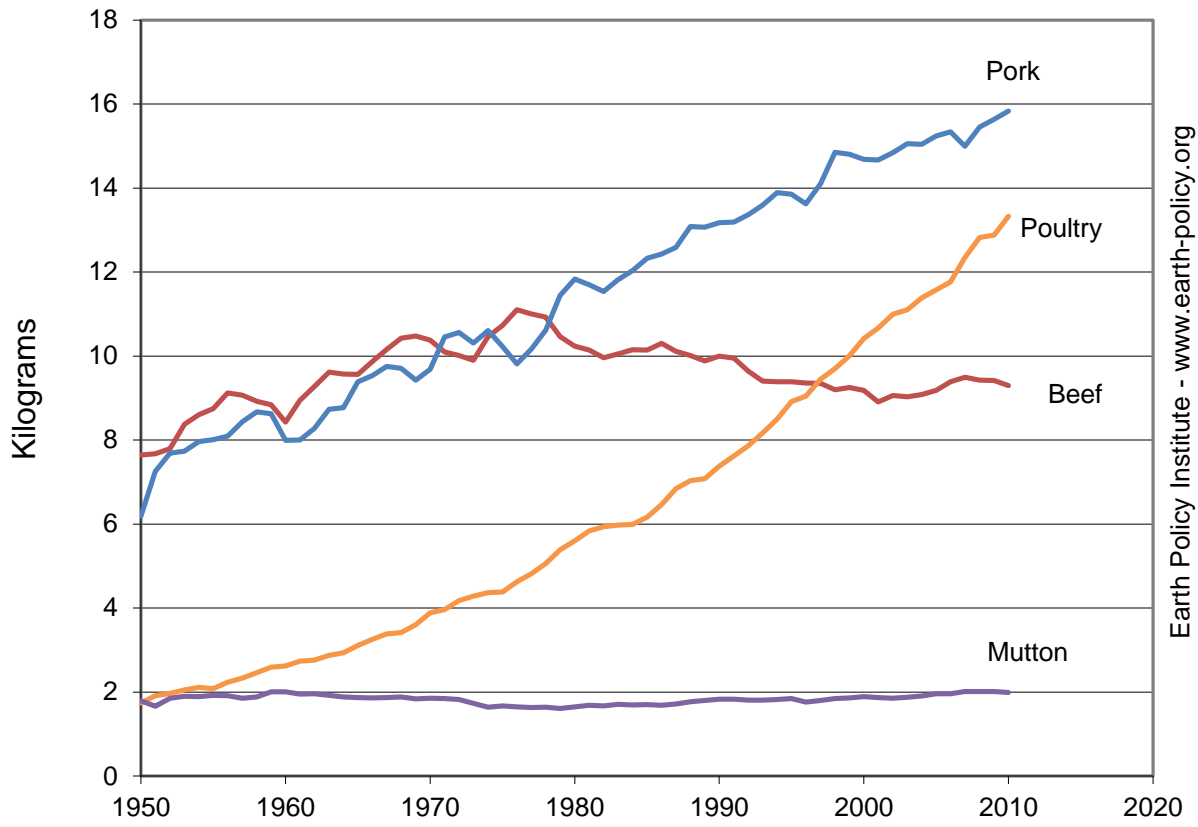
World Meat Production Per Person by Type, 1950-2010

Year	Beef	Pork	Poultry	Mutton
Kilograms				
1950	7.6	6.2	1.7	1.8
1951	7.7	7.3	1.9	1.7
1952	7.8	7.7	2.0	1.8
1953	8.4	7.7	2.1	1.9
1954	8.6	8.0	2.1	1.9
1955	8.8	8.0	2.1	1.9
1956	9.1	8.1	2.2	1.9
1957	9.1	8.4	2.3	1.9
1958	8.9	8.7	2.5	1.9
1959	8.8	8.6	2.6	2.0
1960	8.4	8.0	2.6	2.0
1961	8.9	8.0	2.7	1.9
1962	9.3	8.3	2.8	2.0
1963	9.6	8.7	2.9	1.9
1964	9.6	8.8	2.9	1.9
1965	9.6	9.4	3.1	1.9
1966	9.9	9.5	3.3	1.9
1967	10.2	9.8	3.4	1.9
1968	10.4	9.7	3.4	1.9
1969	10.5	9.4	3.6	1.8
1970	10.4	9.7	3.9	1.8
1971	10.1	10.5	4.0	1.8
1972	10.0	10.6	4.2	1.8
1973	9.9	10.3	4.3	1.7
1974	10.5	10.6	4.4	1.6
1975	10.7	10.2	4.4	1.7
1976	11.1	9.8	4.6	1.6
1977	11.0	10.2	4.8	1.6
1978	10.9	10.6	5.1	1.6
1979	10.5	11.4	5.4	1.6
1980	10.2	11.8	5.6	1.6
1981	10.1	11.7	5.8	1.7
1982	10.0	11.5	5.9	1.7
1983	10.0	11.8	6.0	1.7
1984	10.1	12.0	6.0	1.7
1985	10.1	12.3	6.2	1.7
1986	10.3	12.4	6.5	1.7
1987	10.1	12.6	6.8	1.7
1988	10.0	13.1	7.0	1.8
1989	9.9	13.1	7.1	1.8
1990	10.0	13.2	7.4	1.8
1991	10.0	13.2	7.6	1.8
1992	9.6	13.4	7.9	1.8
1993	9.4	13.6	8.2	1.8
1994	9.4	13.9	8.5	1.8
1995	9.4	13.9	8.9	1.8
1996	9.4	13.6	9.0	1.8
1997	9.3	14.1	9.4	1.8
1998	9.2	14.9	9.7	1.8
1999	9.3	14.8	10.0	1.9
2000	9.2	14.7	10.4	1.9
2001	8.9	14.7	10.7	1.9
2002	9.1	14.8	11.0	1.9
2003	9.0	15.1	11.1	1.9
2004	9.1	15.0	11.4	1.9
2005	9.2	15.2	11.6	2.0
2006	9.4	15.3	11.8	2.0
2007	9.5	15.0	12.3	2.0
2008	9.4	15.5	12.8	2.0
2009	9.4	15.6	12.9	2.0
2010	9.3	15.8	13.3	2.0

Source: Compiled by Earth Policy Institute with 1950-1960 meat data from Worldwatch Institute, *Signposts 2002*, CD-ROM (Washington, DC: 2002); 1961-2010 meat data from U.N. Food and Agriculture Organization, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012; world population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at esa.un.org/unpd/wpp/index.htm, updated 3 May 2011.

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World Meat Production Per Person by Type, 1950-2010



Source: Worldwatch, FAO, UNPop

Meat Consumption in Top Ten Countries, 2009

Rank	Country	Consumption Million Tons
1	China	79.6
2	United States	37.1
3	Brazil	16.5
4	Russia	9.0
5	Germany	7.3
6	Mexico	7.1
7	Japan	5.9
8	France	5.5
9	Italy	5.5
10	India	5.3
	World	282.0

Note: Meat includes beef, pork, poultry, sheep, goats, and other animals.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

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Meat Consumption Per Person in Top Ten Countries, 2009

Rank	Country	Consumption
		Kilograms Per Person Per Year
1	United States	120.2
2	Kuwait	119.2
3	Australia	111.5
4	Bahamas	109.5
5	Luxembourg	107.9
6	New Zealand	106.4
7	Austria	102.0
8	French Polynesia	101.9
9	Bermuda	101.7
10	Argentina	98.3
	World	41.9

Note: Meat includes beef, pork, poultry, sheep, goats, and other animals.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Beef Consumption in Top Ten Countries, 2009

<u>Country</u>	<u>Consumption</u> Million Tons
United States	12.3
Brazil	7.3
China	6.6
Argentina	2.7
Russia	2.5
India	2.0
Mexico	2.0
France	1.6
Italy	1.4
Pakistan	1.4
<u>World</u>	<u>64.7</u>

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Beef Consumption Per Person in Top Ten Countries, 2009

Country	Consumption
	Kilograms Per Person Per Year
Argentina	54.1
United States	39.8
Australia	38.7
Brazil	37.9
Canada	30.9
New Zealand	27.6
Turkmenistan	26.9
Lebanon	26.3
Bolivia	26.1
Denmark	26.0
World	9.6

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Pork Consumption in Top Ten Countries, 2009

<u>Country</u>	<u>Consumption</u> Million Tons
China	50.3
United States	9.2
Germany	4.5
Viet Nam	3.0
Russia	2.8
Italy	2.6
Japan	2.6
Brazil	2.3
Spain	2.2
Poland	2.0
<u>World</u>	<u>106.2</u>

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Pork Consumption Per Person in Top Ten Countries, 2009

Country	Consumption
	Kilograms Per Person Per Year
Austria	65.6
Germany	54.6
Lithuania	50.6
Poland	50.4
Spain	48.9
Denmark	48.3
Czech Republic	44.7
Croatia	44.1
Hungary	43.8
Portugal	42.9
World	15.8

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Poultry Consumption in Top Ten Countries, 2009

<u>Country/Region</u>	<u>Consumption</u> Million Tons
China	17.2
United States	15.2
Brazil	6.8
Mexico	3.3
Russia	3.3
Japan	2.2
India	2.1
United Kingdom	2.0
Iran	1.6
South Africa	1.6
<u>World</u>	<u>92.0</u>

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Poultry Consumption Per Person in Top Ten Countries, 2009

<u>Country</u>	<u>Consumption</u>
	Kilograms Per Person Per Year
Kuwait	97.5
Israel	66.7
United Arab Emirates	49.0
United States	49.0
Jamaica	48.8
Saudi Arabia	42.0
Gabon	39.1
Australia	38.4
Malaysia	38.3
Canada	36.6
<u>World</u>	<u>13.6</u>

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Meat Consumption in China and the United States, Total and by Type, 1960-2012

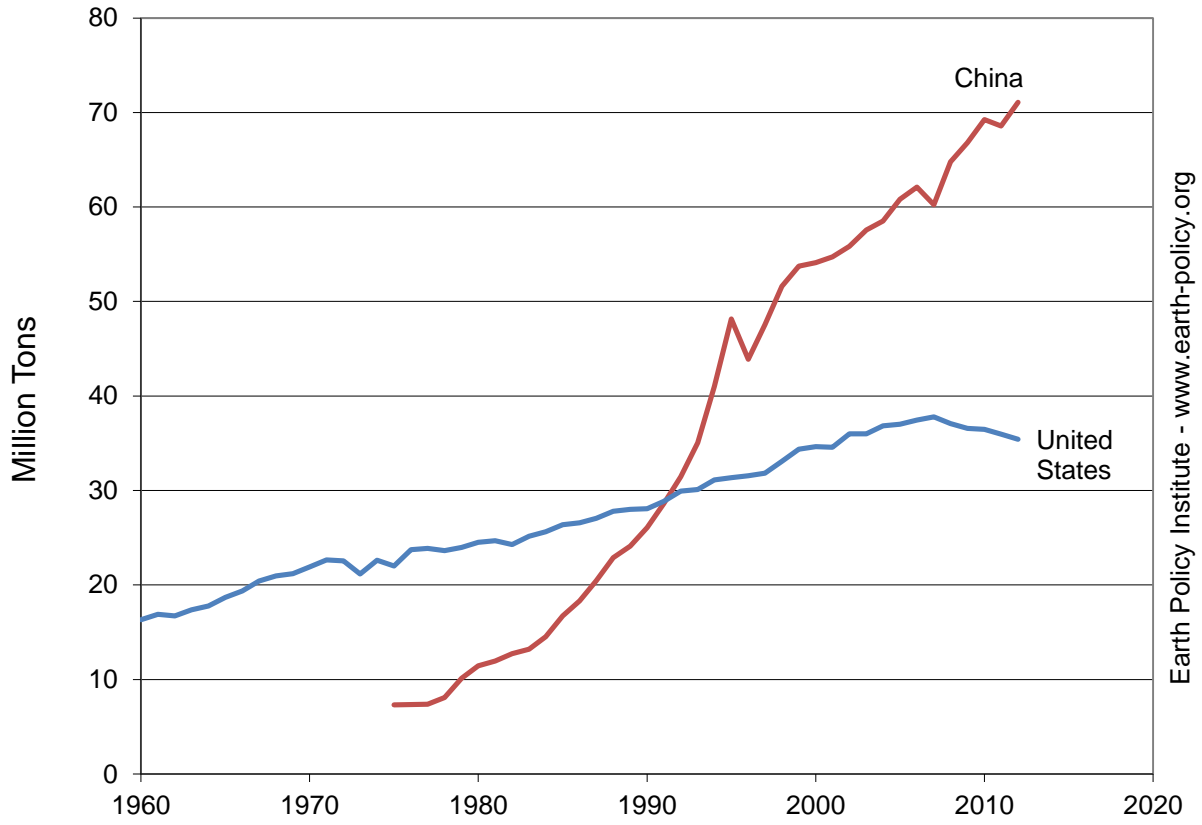
Year	China				United States			
	Beef	Pork	Poultry	Total	Beef	Pork	Poultry	Total
	Million Tons				Million Tons			
1960	n.a.	n.a.	n.a.	n.a.	7.4	6.4	2.4	16.3
1961	n.a.	n.a.	n.a.	n.a.	7.9	6.2	2.8	16.9
1962	n.a.	n.a.	n.a.	n.a.	7.5	6.4	2.8	16.7
1963	n.a.	n.a.	n.a.	n.a.	7.8	6.6	2.9	17.4
1964	n.a.	n.a.	n.a.	n.a.	8.0	6.7	3.1	17.8
1965	n.a.	n.a.	n.a.	n.a.	9.4	6.0	3.3	18.7
1966	n.a.	n.a.	n.a.	n.a.	9.9	5.9	3.6	19.4
1967	n.a.	n.a.	n.a.	n.a.	10.1	6.6	3.7	20.4
1968	n.a.	n.a.	n.a.	n.a.	10.5	6.8	3.7	21.0
1969	n.a.	n.a.	n.a.	n.a.	10.6	6.6	4.0	21.2
1970	n.a.	n.a.	n.a.	n.a.	10.9	6.8	4.2	21.9
1971	n.a.	n.a.	n.a.	n.a.	10.9	7.5	4.3	22.7
1972	n.a.	n.a.	n.a.	n.a.	11.2	6.8	4.5	22.6
1973	n.a.	n.a.	n.a.	n.a.	10.6	6.1	4.4	21.2
1974	n.a.	n.a.	n.a.	n.a.	11.5	6.7	4.5	22.6
1975	0.3	7.0	n.a.	7.3	12.1	5.5	4.5	22.0
1976	0.3	7.0	n.a.	7.4	13.0	5.8	4.9	23.7
1977	0.3	7.1	n.a.	7.4	12.8	6.1	5.0	23.9
1978	0.3	7.8	n.a.	8.1	12.2	6.1	5.4	23.6
1979	0.2	9.9	n.a.	10.1	11.0	7.1	5.9	24.0
1980	0.3	11.2	n.a.	11.5	10.9	7.6	6.0	24.5
1981	0.2	11.7	n.a.	12.0	11.1	7.4	6.2	24.7
1982	0.3	12.5	n.a.	12.7	11.2	6.7	6.4	24.3
1983	0.3	12.9	n.a.	13.2	11.5	7.1	6.6	25.2
1984	0.4	14.2	n.a.	14.5	11.6	7.1	6.9	25.6
1985	0.5	16.3	n.a.	16.7	11.8	7.2	7.4	26.4
1986	0.6	17.8	n.a.	18.3	12.0	6.9	7.7	26.6
1987	0.8	18.1	1.5	20.4	11.7	7.0	8.4	27.0
1988	0.9	20.0	2.0	22.9	11.6	7.5	8.7	27.8
1989	1.0	21.0	2.1	24.1	11.2	7.5	9.3	28.0
1990	1.1	22.6	2.4	26.1	11.0	7.3	9.7	28.1
1991	1.3	24.3	3.1	28.6	11.1	7.4	10.3	28.9
1992	1.7	26.2	3.5	31.5	11.1	7.9	10.8	29.9
1993	2.2	28.4	4.5	35.0	11.0	7.9	11.2	30.1
1994	3.0	31.9	6.1	41.0	11.5	8.1	11.5	31.1
1995	4.1	36.4	7.7	48.1	11.7	8.1	11.6	31.4
1996	3.5	31.4	9.0	43.9	11.9	7.6	12.0	31.6
1997	4.3	35.8	7.4	47.5	11.8	7.6	12.4	31.8
1998	4.7	38.7	8.2	51.6	12.1	8.3	12.7	33.1
1999	5.0	40.0	8.8	53.8	12.3	8.6	13.5	34.4
2000	5.1	39.6	9.4	54.1	12.5	8.5	13.7	34.7
2001	5.1	40.4	9.3	54.7	12.4	8.4	13.8	34.6
2002	5.2	41.0	9.6	55.9	12.7	8.7	14.6	36.0
2003	5.4	42.1	10.0	57.6	12.3	8.8	14.9	36.0
2004	5.6	43.0	9.9	58.5	12.7	8.8	15.4	36.8
2005	5.6	45.1	10.1	60.8	12.7	8.7	15.7	37.0
2006	5.7	46.0	10.4	62.1	12.8	8.6	16.0	37.5
2007	6.1	42.7	11.5	60.2	12.8	9.0	16.0	37.8
2008	6.1	46.7	12.0	64.8	12.4	8.8	15.9	37.1
2009	5.7	48.8	12.2	66.8	12.2	9.0	15.3	36.6
2010	5.6	51.2	12.5	69.2	12.0	8.7	15.8	36.5
2011	5.5	50.0	13.1	68.6	11.7	8.3	16.0	35.9
2012	5.5	52.0	13.6	71.1	11.4	8.5	15.6	35.4

Note: "n.a." indicates data not available; 2012 figures are projections.

Source: Compiled by Earth Policy Institute from U.S. Department of Agriculture, *Production, Supply and Distribution*, electronic database, at www.fas.usda.gov/psdonline, updated 10 May 2012.

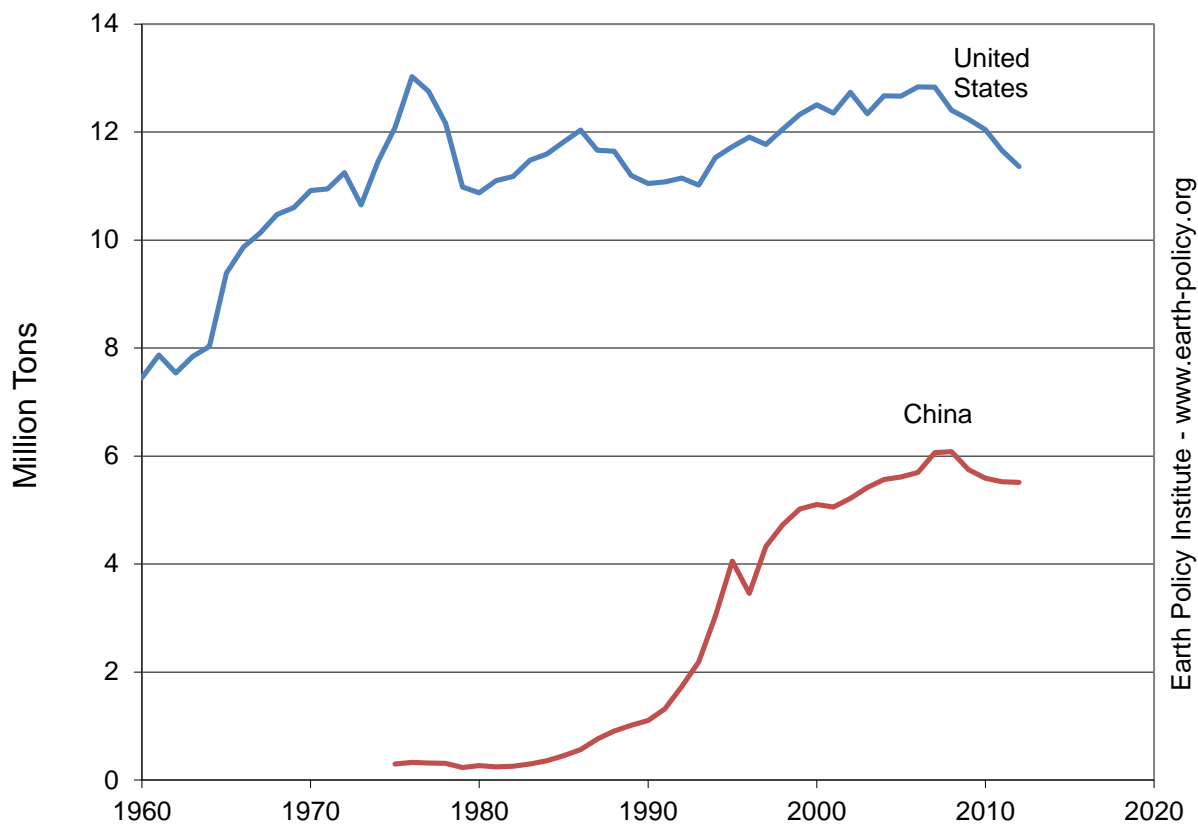
This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Meat Consumption in China and the United States, 1960-2012



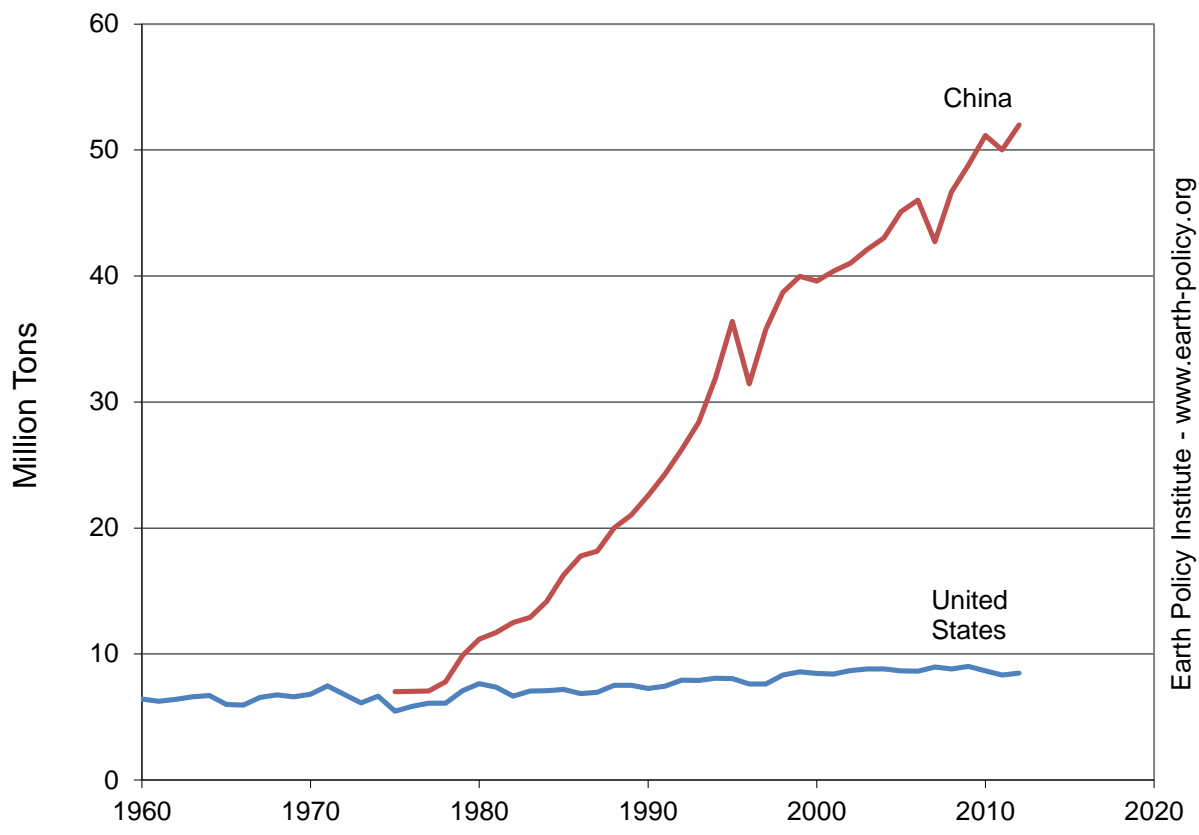
Source: USDA

Beef Consumption in China and the United States, 1960-2012



Source: USDA

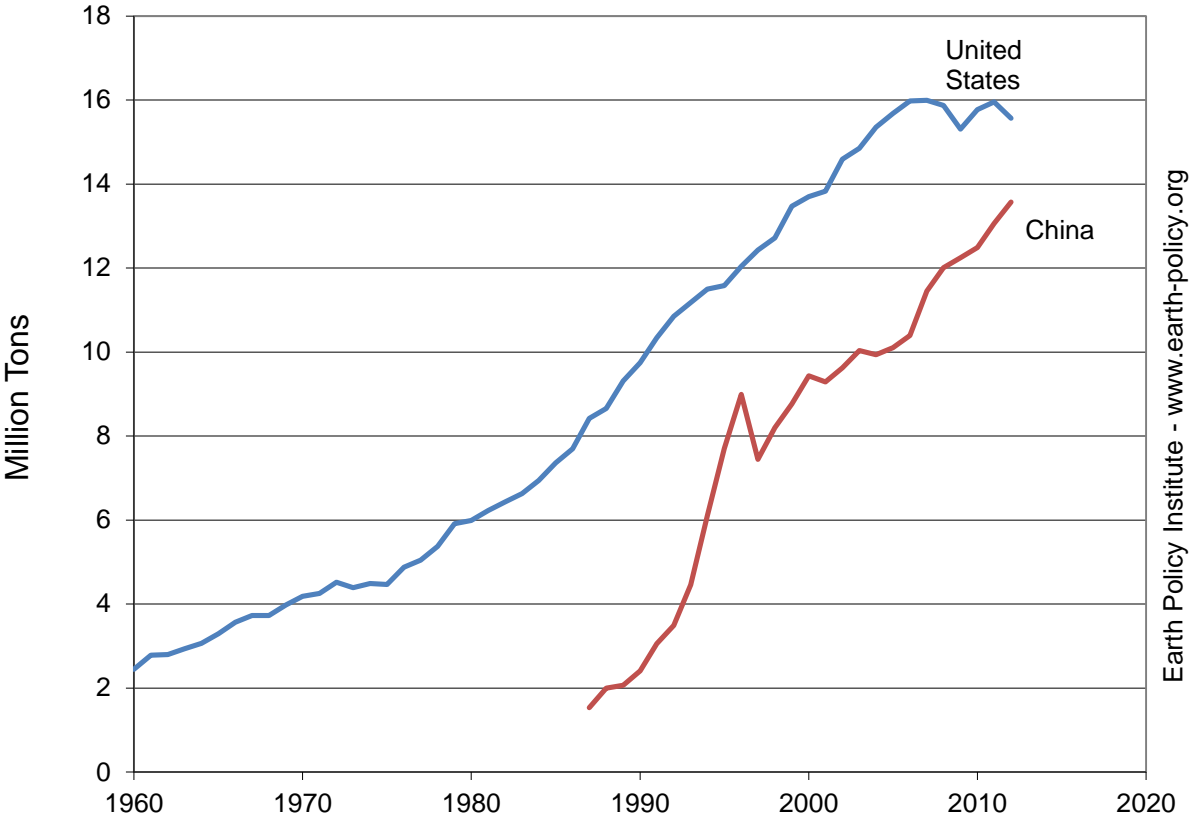
Pork Consumption in China and the United States, 1960-2012



Source: USDA

Earth Policy Institute - www.earth-policy.org

Poultry Consumption in China and the United States, 1960-2012



Source: USDA

Earth Policy Institute - www.earth-policy.org

Meat Consumption in the United States, 1909-2012

Year	Beef	Pork	Poultry	Total
Billion Pounds (Boneless Weight Equivalent)				
1909	5.1	3.7	1.0	9.8
1910	4.9	3.5	1.1	9.6
1911	4.9	4.0	1.1	10.0
1912	4.7	3.9	1.1	9.7
1913	4.7	4.0	1.1	9.7
1914	4.6	4.0	1.1	9.7
1915	4.3	4.1	1.1	9.5
1916	4.6	4.3	1.1	10.0
1917	5.1	3.7	1.1	9.9
1918	5.5	3.9	1.1	10.5
1919	5.0	4.1	1.2	10.3
1920	4.9	4.2	1.1	10.2
1921	4.7	4.3	1.1	10.2
1922	5.1	4.4	1.2	10.7
1923	5.2	5.1	1.3	11.6
1924	5.3	5.2	1.2	11.8
1925	5.4	4.7	1.3	11.5
1926	5.5	4.6	1.3	11.5
1927	5.1	4.9	1.4	11.4
1928	4.6	5.2	1.4	11.2
1929	4.7	5.2	1.4	11.3
1930	4.7	5.1	1.5	11.3
1931	4.7	5.2	1.4	11.3
1932	4.6	5.4	1.4	11.4
1933	5.1	5.5	1.5	12.0
1934	6.4	5.0	1.4	12.8
1935	5.4	3.8	1.4	10.5
1936	6.1	4.3	1.5	11.9
1937	5.7	4.4	1.5	11.5
1938	5.5	4.6	1.4	11.6
1939	5.6	5.2	1.6	12.4
1940	5.7	6.0	1.6	13.2
1941	6.4	5.6	1.8	13.8
1942	7.0	5.7	2.0	14.7
1943	6.7	7.1	2.5	16.2
1944	7.6	7.4	2.5	17.5
1945	7.8	6.1	2.5	16.4
1946	7.2	6.6	2.4	16.3
1947	8.2	6.2	2.2	16.6
1948	7.5	6.2	2.2	15.8
1949	7.6	6.2	2.4	16.2
1950	7.6	6.5	2.7	16.8
1951	7.1	7.0	2.9	16.9
1952	7.7	7.1	3.0	17.7
1953	9.8	6.3	3.0	19.0
1954	10.2	6.0	3.2	19.5
1955	10.5	8.3	3.1	21.9
1956	11.1	8.6	3.5	23.2
1957	11.1	8.0	3.8	22.8
1958	10.6	7.9	4.2	22.6
1959	10.7	9.0	4.4	24.1
1960	11.4	8.8	4.3	24.6
1961	11.9	8.6	4.9	25.4
1962	12.2	8.8	4.9	25.9
1963	13.0	9.2	5.0	27.2
1964	14.2	9.4	5.2	28.8

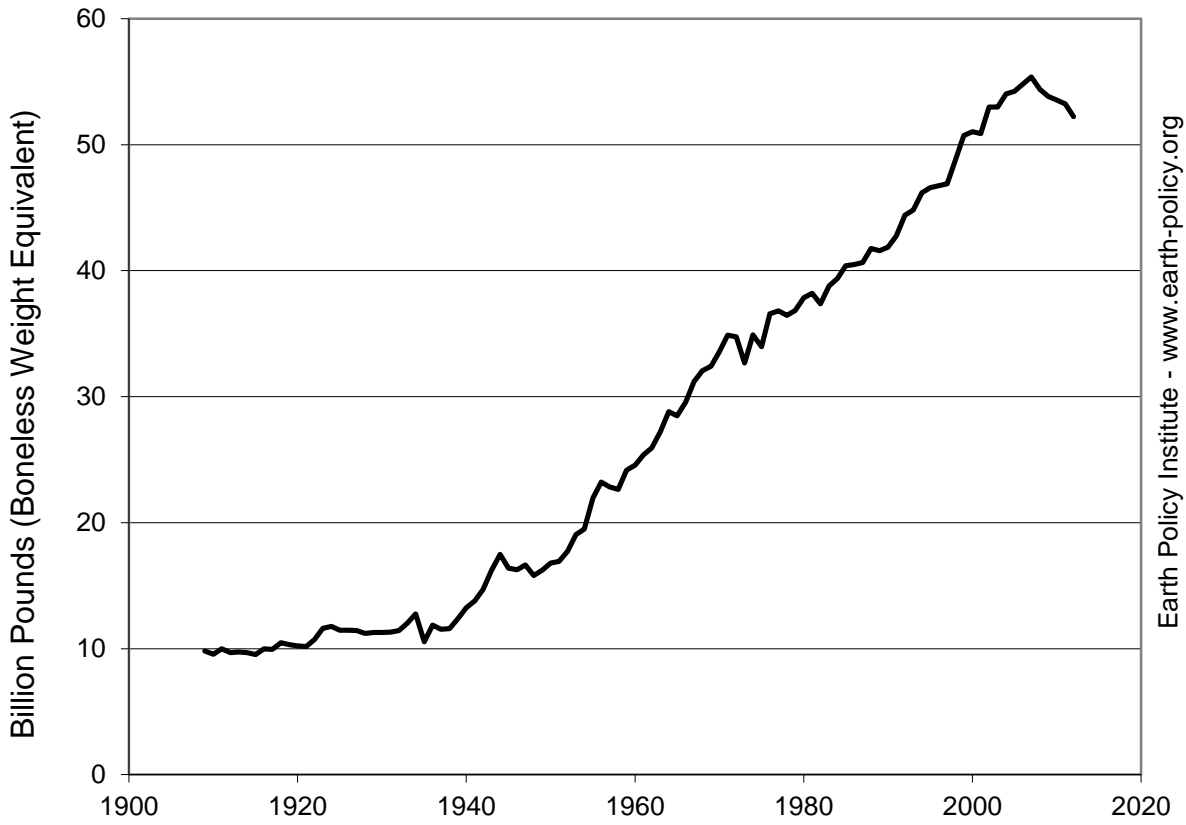
1965	14.4	8.5	5.6	28.5	
1966	15.1	8.4	6.0	29.6	
1967	15.5	9.3	6.3	31.2	
1968	16.0	9.7	6.3	32.1	
1969	16.2	9.5	6.7	32.4	
1970	16.7	9.9	6.9	33.5	
1971	16.8	11.0	7.1	34.9	
1972	17.2	10.1	7.4	34.7	
1973	16.4	9.1	7.2	32.7	
1974	17.6	10.0	7.2	34.9	
1975	18.6	8.3	7.1	34.0	
1976	19.9	8.9	7.8	36.6	
1977	19.6	9.3	7.9	36.8	
1978	18.7	9.4	8.3	36.4	
1979	16.9	10.9	9.0	36.8	
1980	16.7	11.9	9.3	37.9	
1981	17.0	11.5	9.7	38.2	
1982	17.2	10.4	9.8	37.4	
1983	17.7	11.1	10.0	38.8	
1984	17.8	11.2	10.4	39.4	
1985	18.1	11.4	10.9	40.4	
1986	18.3	10.9	11.3	40.5	
1987	17.2	11.1	12.4	40.7	
1988	17.1	12.0	12.7	41.8	
1989	16.4	12.0	13.2	41.6	
1990	16.2	11.6	14.1	41.9	
1991	16.2	11.9	14.7	42.7	
1992	16.2	12.6	15.5	44.4	
1993	16.1	12.6	16.1	44.8	
1994	16.8	12.9	16.5	46.2	
1995	17.2	12.9	16.6	46.6	
1996	17.5	12.2	17.0	46.7	
1997	17.3	12.2	17.4	46.9	
1998	17.7	13.3	17.8	48.8	
1999	18.1	13.8	18.8	50.7	
2000	18.4	13.5	19.2	51.0	
2001	18.1	13.4	19.3	50.9	
2002	18.7	13.9	20.4	53.0	
2003	18.2	14.1	20.7	53.0	
2004	18.6	14.1	21.4	54.0	
2005	18.6	13.8	21.8	54.2	
2006	18.9	13.8	22.2	54.8	
2007	18.9	14.3	22.2	55.4	
2008	18.3	14.0	22.1	54.4	
2009	18.1	14.5	21.3	53.8	
2010	17.8	13.9	21.9	53.6	
2011	17.3	13.5	22.4	53.2	
2012	*	16.5	13.7	22.1	52.2

* Note: 2012 is a projection.

Source: Compiled by Earth Policy Institute from U.S. Department of Agriculture (USDA), Economic Research Service, "Food Availability: Spreadsheets," at www.ers.usda.gov/Data/FoodConsumption/FoodAvailSpreadsheets.htm, updated 1 February 2011; and from USDA, *Production, Supply and Distribution*, electronic database, at www.fas.usda.gov/psdonline, updated 12 January 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

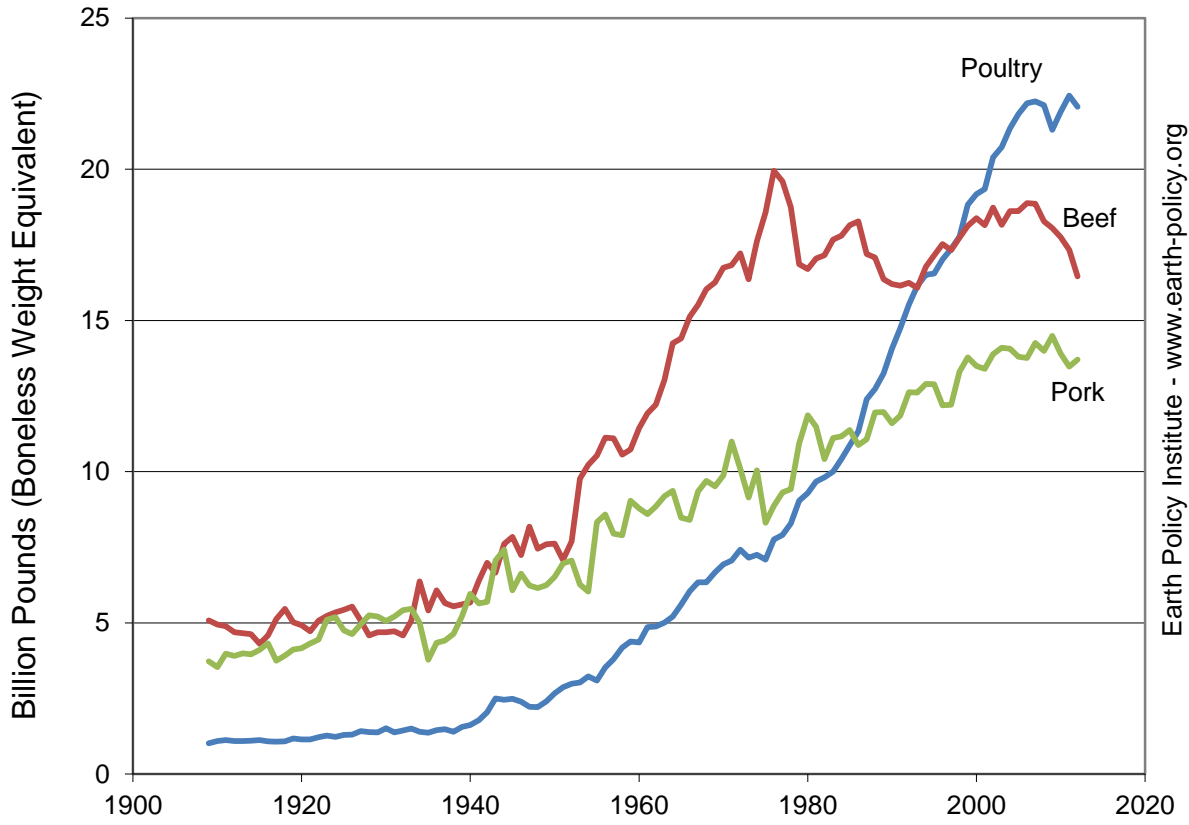
Meat Consumption in the United States, 1909-2012



Source: USDA

Earth Policy Institute - www.earth-policy.org

Meat Consumption by Type in the United States, 1909-2012



Source: USDA

Meat Consumption Per Person in the United States, 1909-2012

Year	Beef	Pork	Poultry	Total
Pounds (Boneless Weight Equivalent)				
1909	56.1	41.2	11.2	108.5
1910	53.5	38.2	11.8	103.5
1911	52.0	42.4	12.0	106.4
1912	49.2	40.9	11.5	101.6
1913	47.9	41.1	11.2	100.2
1914	46.7	40.0	11.1	97.8
1915	42.9	40.9	11.2	94.9
1916	45.0	42.4	10.6	97.9
1917	49.5	36.2	10.3	96.0
1918	52.2	37.5	10.3	100.1
1919	47.7	39.2	11.2	98.1
1920	46.2	39.0	10.8	96.0
1921	43.4	39.8	10.5	93.7
1922	46.1	40.4	11.1	97.5
1923	46.7	45.6	11.4	103.6
1924	46.8	45.5	10.7	103.0
1925	46.8	41.0	11.2	99.0
1926	47.1	39.4	11.1	97.6
1927	42.6	41.6	11.9	96.0
1928	38.0	43.5	11.5	93.0
1929	38.5	42.8	11.3	92.6
1930	38.1	41.1	12.3	91.5
1931	38.0	41.9	11.1	91.0
1932	36.7	43.4	11.6	91.6
1933	40.3	43.4	12.0	95.7
1934	50.3	39.5	11.0	100.9
1935	42.5	29.7	10.7	82.8
1936	47.4	33.8	11.3	92.5
1937	43.9	34.2	11.5	89.6
1938	42.7	35.7	10.8	89.1
1939	42.8	39.7	11.9	94.4
1940	42.9	45.1	12.3	100.3
1941	47.9	42.3	13.3	103.5
1942	51.8	42.2	15.2	109.2
1943	48.7	51.7	18.2	118.6
1944	55.0	53.6	17.7	126.3
1945	56.0	43.4	17.8	117.2
1946	51.2	46.8	16.9	115.0
1947	56.8	43.2	15.5	115.4
1948	50.8	42.0	15.1	107.9
1949	50.9	41.9	16.1	108.9
1950	50.2	43.0	17.6	110.7
1951	45.9	45.2	18.6	109.7
1952	49.0	45.0	19.0	113.0
1953	61.2	39.2	18.9	119.4
1954	62.9	37.2	19.9	120.0
1955	63.7	50.4	18.7	132.8
1956	66.1	51.0	20.9	138.1
1957	64.8	46.4	22.2	133.4
1958	60.6	45.3	24.0	130.0
1959	60.6	51.0	24.7	136.4
1960	63.3	48.6	24.0	136.0
1961	64.9	46.8	26.4	138.1
1962	65.5	47.4	26.1	139.1
1963	68.8	48.5	26.5	143.8
1964	74.2	48.8	27.1	150.1
1965	74.1	43.6	28.8	146.5
1966	76.9	42.8	30.7	150.4

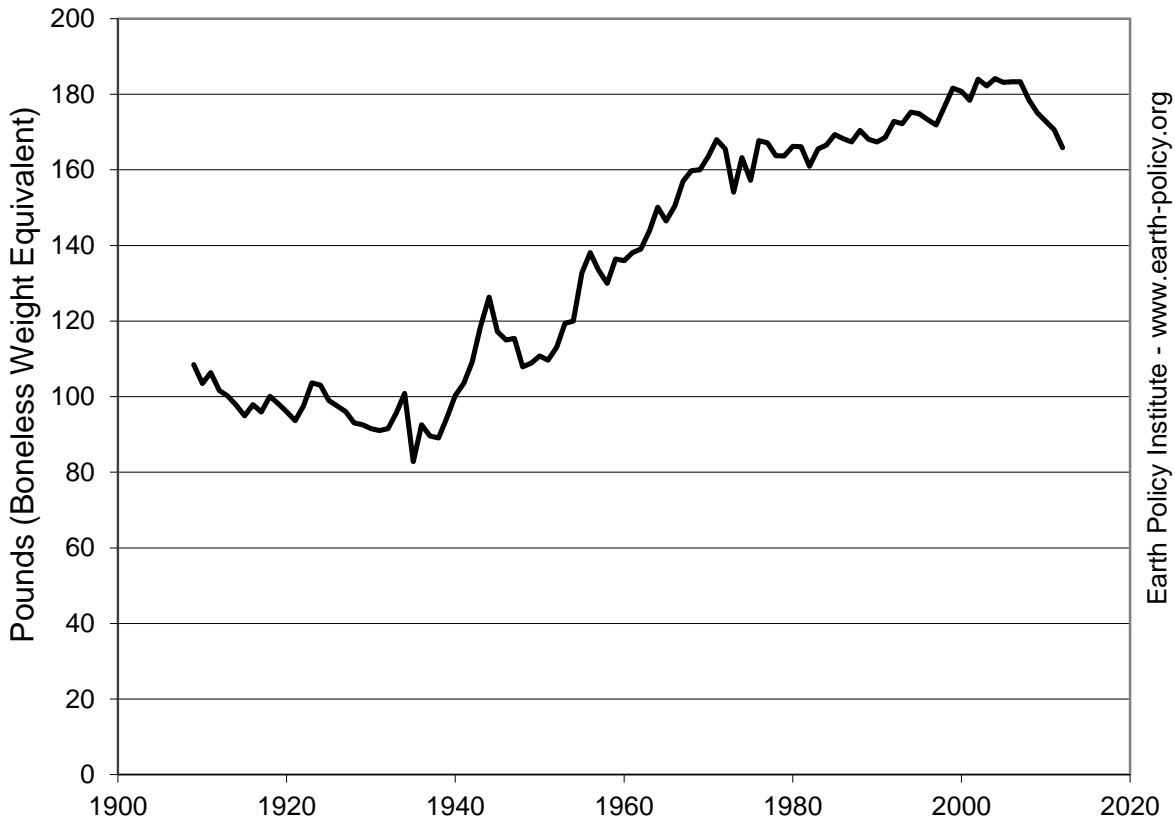
1967	78.1	47.0	31.9	157.0	
1968	79.9	48.3	31.6	159.8	
1969	80.2	46.9	32.9	160.0	
1970	81.7	48.1	33.8	163.6	
1971	81.0	53.0	34.0	168.0	
1972	82.0	48.1	35.4	165.5	
1973	77.2	43.2	33.8	154.1	
1974	82.4	47.0	33.9	163.2	
1975	86.0	38.4	32.8	157.3	
1976	91.5	40.7	35.6	167.8	
1977	89.0	42.3	35.9	167.2	
1978	84.2	42.3	37.2	163.7	
1979	74.9	48.6	40.2	163.6	
1980	73.3	52.1	40.8	166.2	
1981	74.1	49.9	42.0	166.1	
1982	73.9	44.9	42.2	161.0	
1983	75.4	47.4	42.7	165.5	
1984	75.3	47.2	44.0	166.6	
1985	76.1	47.7	45.6	169.4	
1986	75.9	45.2	47.1	168.2	
1987	70.8	45.6	51.0	167.4	
1988	69.7	48.8	51.9	170.4	
1989	66.1	48.4	53.6	168.1	
1990	64.8	46.4	56.2	167.4	
1991	63.7	46.8	58.1	168.6	
1992	63.2	49.1	60.4	172.8	
1993	61.8	48.5	62.0	172.2	
1994	63.7	49.0	62.6	175.3	
1995	64.4	48.4	62.1	174.8	
1996	65.0	45.2	63.1	173.3	
1997	63.5	44.7	63.6	171.8	
1998	64.2	48.2	64.3	176.7	
1999	64.9	49.3	67.4	181.6	
2000	65.1	47.8	67.9	180.7	
2001	63.6	47.0	67.8	178.4	
2002	65.0	48.2	70.8	184.0	
2003	62.4	48.5	71.3	182.2	
2004	63.4	47.9	72.8	184.1	
2005	62.9	46.6	73.7	183.1	
2006	63.1	46.0	74.2	183.3	
2007	62.4	47.2	73.7	183.3	
2008	60.0	45.9	72.6	178.4	
2009	58.7	47.1	69.3	175.1	
2010	57.3	44.9	70.7	172.9	
2011	55.5	43.2	71.9	170.6	
2012	*	52.3	43.5	70.1	165.9

* Note: 2012 is a projection.

Source: Compiled by Earth Policy Institute from U.S. Department of Agriculture (USDA), Economic Research Service, "Food Availability: Spreadsheets," at www.ers.usda.gov/Data/FoodConsumption/FoodAvailSpreadsheets.htm, updated 1 February 2011; USDA, *Production, Supply and Distribution*, electronic database, at www.fas.usda.gov/psdonline, updated January 2012; using population from U.S. Census Bureau, "Monthly Population Estimates for the United States: April 1, 2010 to January 1, 2012," at www.census.gov/popest/data/state/totals/2011/tables/NA-EST2011-01.xls, updated February 2012, and from "Projections of the Population and Components of Change for the United States," at www.census.gov/population/www/projections/files/nation/summary/NP2009-T1-C.xls, updated 16 December 2009.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

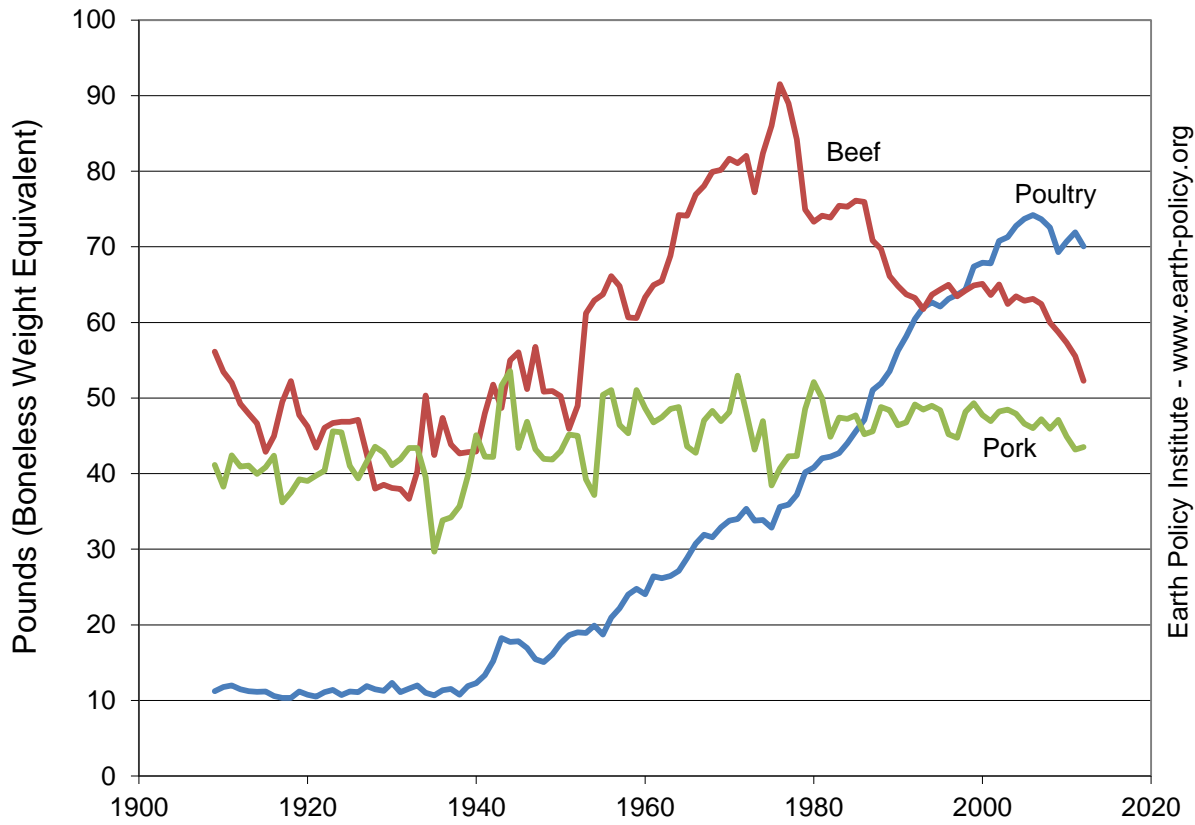
Meat Consumption Per Person in the United States, 1909-2012



Source: USDA; U.S. Census Bureau

Earth Policy Institute - www.earth-policy.org

Meat Consumption Per Person by Type in the United States, 1909-2012



Source: USDA, U.S. Census Bureau

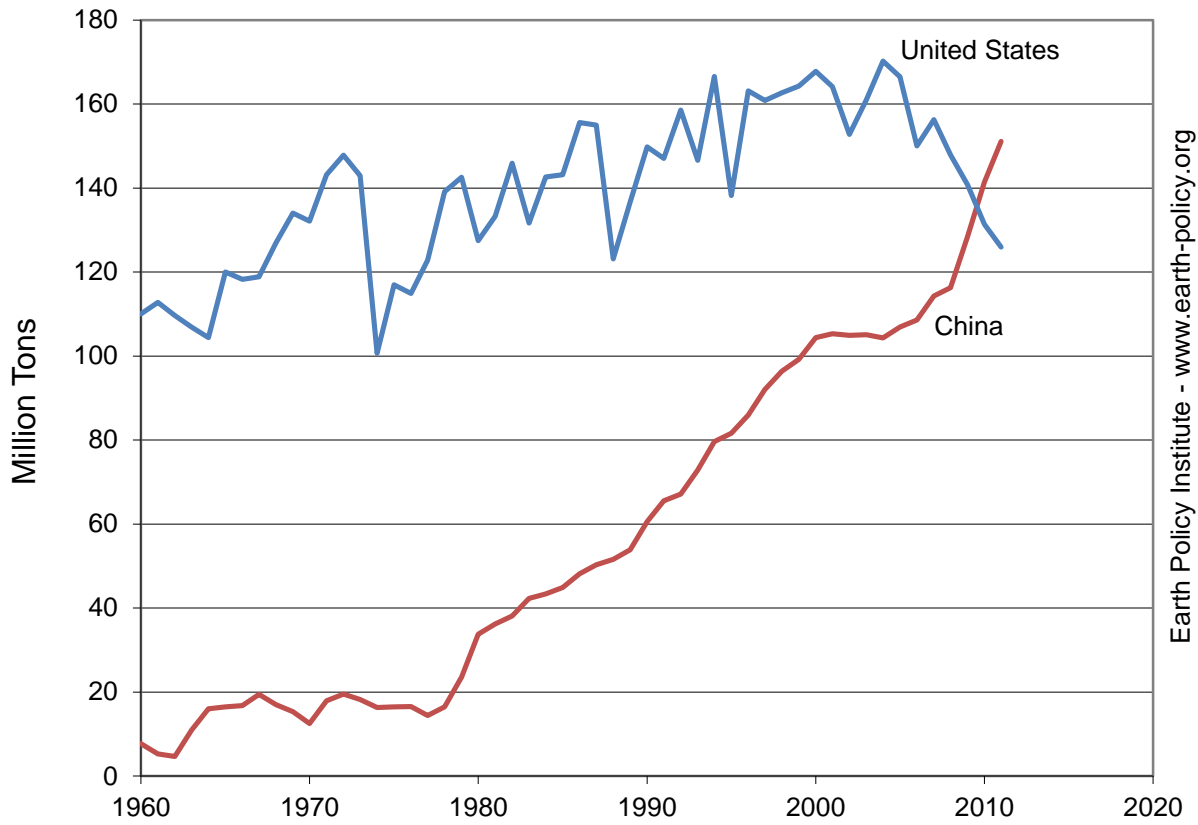
Feedgrain Use in China and the United States, 1960-2011

Year	China	United States
	Million Tons	
1960	7.7	110.1
1961	5.2	112.8
1962	4.7	109.6
1963	10.9	106.9
1964	16.0	104.4
1965	16.5	120.0
1966	16.8	118.2
1967	19.4	118.8
1968	17.0	127.0
1969	15.3	134.0
1970	12.5	132.1
1971	17.9	143.1
1972	19.5	147.8
1973	18.2	143.0
1974	16.3	100.7
1975	16.5	117.0
1976	16.5	114.9
1977	14.4	122.8
1978	16.5	139.1
1979	23.5	142.6
1980	33.7	127.5
1981	36.2	133.2
1982	38.1	145.9
1983	42.3	131.6
1984	43.4	142.6
1985	44.9	143.1
1986	48.1	155.6
1987	50.3	155.0
1988	51.6	123.1
1989	53.8	136.7
1990	60.5	149.8
1991	65.5	147.0
1992	67.1	158.6
1993	72.9	146.6
1994	79.6	166.6
1995	81.6	138.2
1996	86.0	163.1
1997	92.1	160.9
1998	96.4	162.7
1999	99.2	164.2
2000	104.4	167.8
2001	105.3	164.1
2002	104.9	152.8
2003	105.1	161.0
2004	104.3	170.2
2005	106.9	166.5
2006	108.6	150.1
2007	114.3	156.2
2008	116.3	147.9
2009	128.4	140.8
2010	141.4	131.4
2011	151.1	125.9

Source: Compiled by Earth Policy Institute from U.S. Department of Agriculture, *Production, Supply and Distribution*, electronic database, at www.fas.usda.gov/psdonline, updated 10 April 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Feedgrain Use in China and the United States, 1960-2011



Source: USDA

World Wild Fish Catch and Farmed Fish Production, 1950-2010

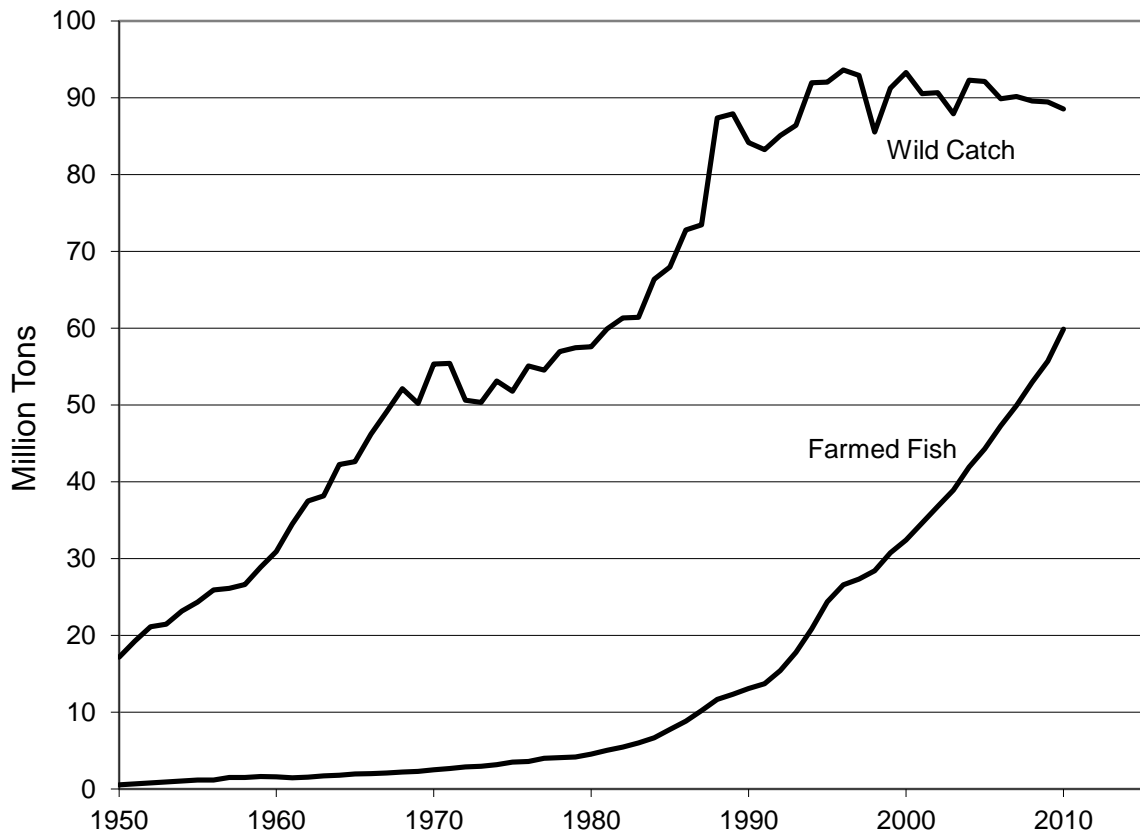
Year	Wild Catch	Farmed Fish	Total Fish
	Million Tons		Production
1950	17.2	0.5	17.7
1951	19.2	0.7	19.9
1952	21.1	0.8	21.9
1953	21.5	0.9	22.4
1954	23.2	1.0	24.2
1955	24.3	1.2	25.5
1956	25.9	1.2	27.1
1957	26.1	1.5	27.6
1958	26.6	1.5	28.1
1959	28.9	1.6	30.5
1960	30.9	1.6	32.5
1961	34.5	1.5	36.0
1962	37.5	1.5	39.0
1963	38.2	1.7	39.9
1964	42.3	1.8	44.1
1965	42.6	2.0	44.6
1966	46.2	2.0	48.2
1967	49.1	2.1	51.2
1968	52.1	2.2	54.3
1969	50.2	2.3	52.5
1970	55.4	2.5	57.8
1971	55.4	2.7	58.1
1972	50.6	2.9	53.5
1973	50.3	3.0	53.3
1974	53.1	3.2	56.3
1975	51.8	3.5	55.3
1976	55.1	3.6	58.7
1977	54.5	4.0	58.5
1978	56.9	4.1	61.0
1979	57.5	4.2	61.6
1980	57.6	4.5	62.1
1981	59.9	5.1	65.0
1982	61.3	5.5	66.8
1983	61.4	6.0	67.4
1984	66.4	6.7	73.0
1985	67.9	7.7	75.7
1986	72.8	8.8	81.7
1987	73.4	10.2	83.7
1988	87.4	11.7	99.0
1989	87.9	12.3	100.2
1990	84.1	13.1	97.2
1991	83.2	13.7	97.0
1992	85.1	15.4	100.5
1993	86.4	17.8	104.2
1994	92.0	20.8	112.8
1995	92.1	24.4	116.4
1996	93.6	26.6	120.2
1997	92.9	27.3	120.2
1998	85.5	28.4	114.0
1999	91.3	30.7	122.0
2000	93.3	32.4	125.7
2001	90.5	34.6	125.2
2002	90.6	36.8	127.4
2003	87.9	38.9	126.8
2004	92.3	41.9	134.2
2005	92.1	44.3	136.4
2006	89.9	47.3	137.2
2007	90.2	49.9	140.1
2008	89.6	52.9	142.5
2009	89.5	55.7	145.2
2010	88.5	59.9	148.4

Note: Fish data include fishes, crustaceans, mollusks, and various other aquatic animals. Crocodiles, alligators, and aquatic mammals are excluded.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *Global Capture Production and Global Aquaculture Production*, electronic databases, at www.fao.org/fishery/topic/16140/en, updated March 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

World Wild Fish Catch and Farmed Fish Production, 1950-2010



Source: FAO

World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010

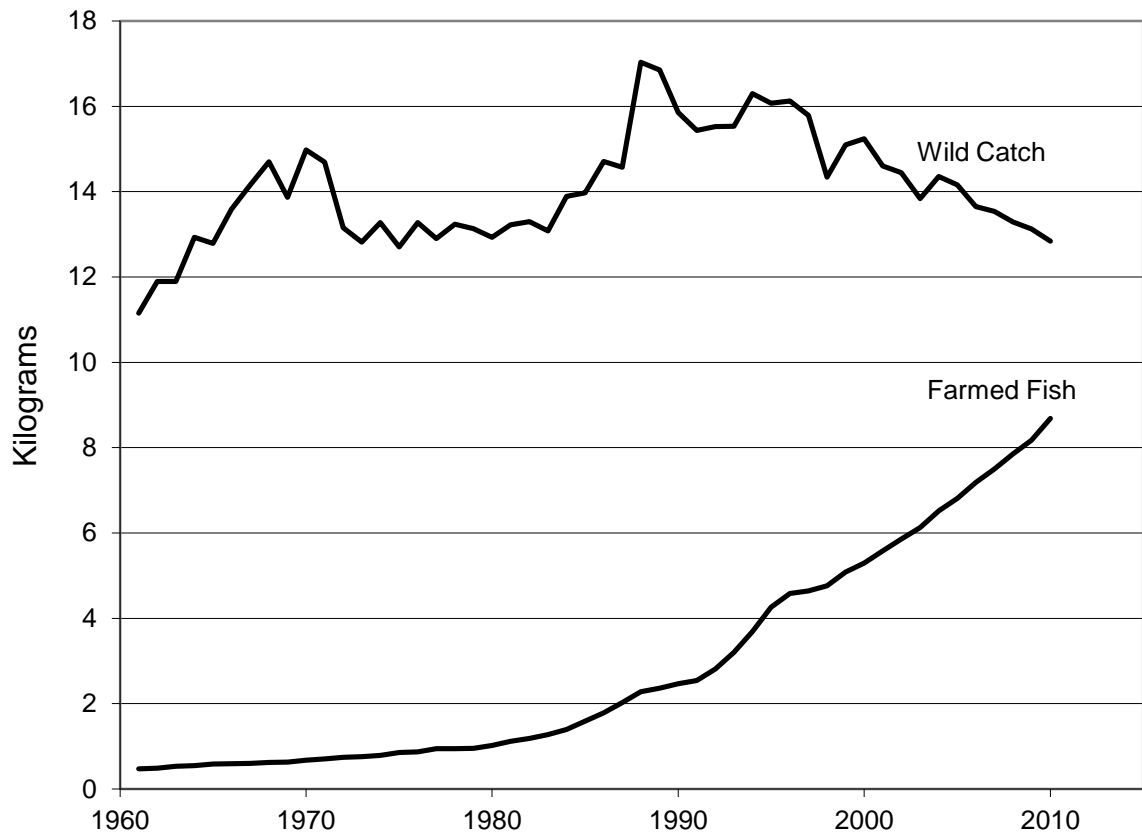
Year	Wild Catch	Farmed Fish	Total Fish Production
	Kilograms		
1950	6.8	0.2	7.0
1951	7.5	0.3	7.7
1952	8.0	0.3	8.3
1953	8.0	0.3	8.4
1954	8.5	0.4	8.9
1955	8.8	0.4	9.2
1956	9.2	0.4	9.6
1957	9.1	0.5	9.6
1958	9.1	0.5	9.6
1959	9.7	0.5	10.2
1960	10.2	0.5	10.7
1961	11.2	0.5	11.6
1962	11.9	0.5	12.4
1963	11.9	0.5	12.4
1964	12.9	0.5	13.5
1965	12.8	0.6	13.4
1966	13.6	0.6	14.2
1967	14.2	0.6	14.7
1968	14.7	0.6	15.3
1969	13.9	0.6	14.5
1970	15.0	0.7	15.6
1971	14.7	0.7	15.4
1972	13.2	0.7	13.9
1973	12.8	0.8	13.6
1974	13.3	0.8	14.1
1975	12.7	0.9	13.6
1976	13.3	0.9	14.1
1977	12.9	0.9	13.8
1978	13.2	0.9	14.2
1979	13.1	1.0	14.1
1980	12.9	1.0	14.0
1981	13.2	1.1	14.3
1982	13.3	1.2	14.5
1983	13.1	1.3	14.4
1984	13.9	1.4	15.3
1985	14.0	1.6	15.6
1986	14.7	1.8	16.5
1987	14.6	2.0	16.6
1988	17.0	2.3	19.3
1989	16.8	2.4	19.2
1990	15.9	2.5	18.3
1991	15.4	2.5	18.0
1992	15.5	2.8	18.3
1993	15.5	3.2	18.7
1994	16.3	3.7	20.0
1995	16.1	4.3	20.3
1996	16.1	4.6	20.7
1997	15.8	4.6	20.4
1998	14.3	4.8	19.1
1999	15.1	5.1	20.2
2000	15.2	5.3	20.5
2001	14.6	5.6	20.2
2002	14.4	5.9	20.3
2003	13.8	6.1	20.0
2004	14.4	6.5	20.9
2005	14.2	6.8	21.0
2006	13.7	7.2	20.8
2007	13.5	7.5	21.0
2008	13.3	7.9	21.1
2009	13.1	8.2	21.3
2010	12.8	8.7	21.5

Note: Fish data include fishes, crustaceans, mollusks, and various other aquatic animals. Crocodiles, alligators, and aquatic mammals are excluded.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *Global Capture Production and Global Aquaculture Production*, electronic databases, at www.fao.org/fishery/topic/16140/en, updated March 2012; world population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at esa.un.org/unpd/wpp/index.htm, updated 3 May 2011.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010



Source: FAO; UNPop

Fish Consumption in Top Ten Countries, 2009

Rank	Country	Consumption Million Tons
1	China	54.1
2	Japan	9.4
3	United States	8.0
4	India	7.1
5	Indonesia	6.4
6	Viet Nam	4.0
7	Russia	3.7
8	South Korea	3.6
9	Philippines	3.4
10	Burma (Myanmar)	3.1
	World	152.0

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Fish Consumption Per Person in Top Ten Countries, 2009

Rank	Country	Consumption Kilograms Per Person Per Year
1	Portugal	61.1
2	Japan	56.6
3	South Korea	56.1
4	Malaysia	53.2
5	Burma (Myanmar)	50.8
6	Norway	50.6
7	Spain	42.9
8	Lithuania	40.7
9	Finland	36.7
10	Philippines	36.4
	World	18.5

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

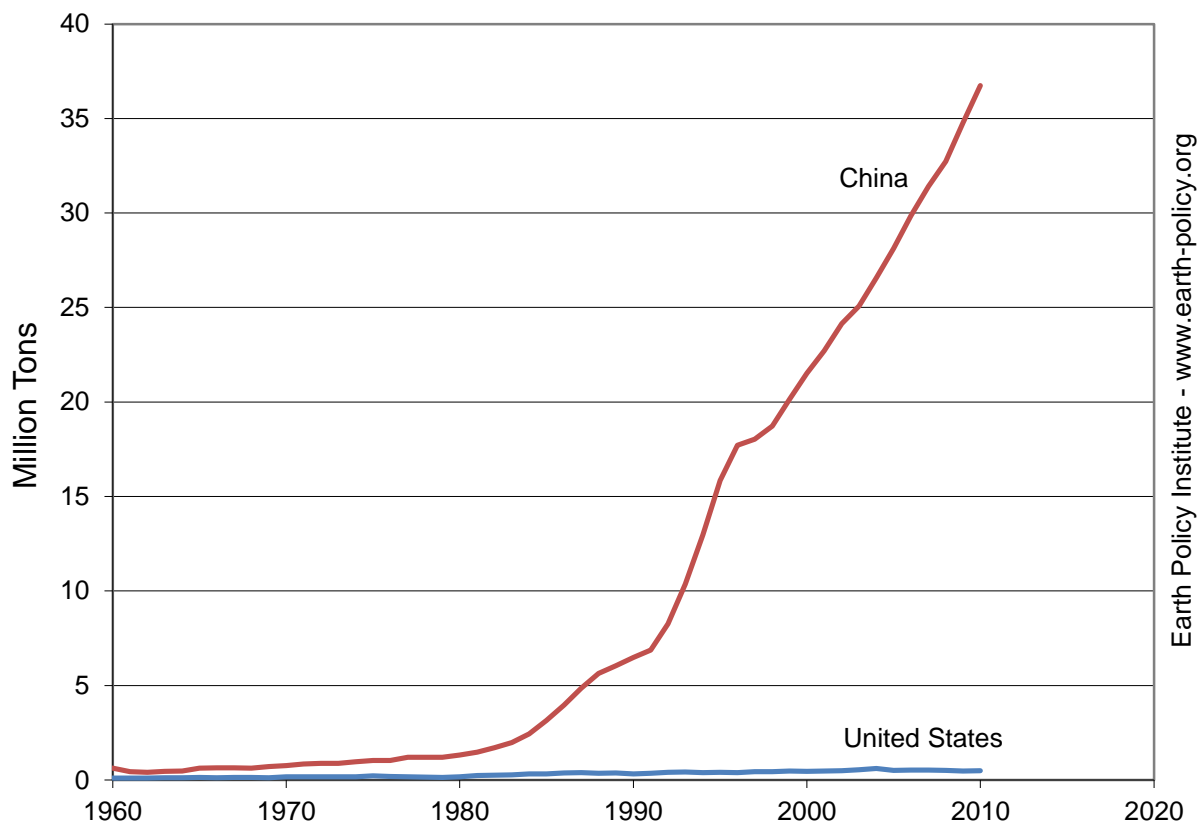
Farmed Fish Production in China and the United States, 1950-2010

Year	China	United States	World
	Million Tons		
1950	0.1	0.1	0.5
1951	0.1	0.1	0.7
1952	0.2	0.1	0.8
1953	0.3	0.1	0.9
1954	0.4	0.1	1.0
1955	0.4	0.1	1.2
1956	0.4	0.1	1.2
1957	0.7	0.1	1.5
1958	0.6	0.1	1.5
1959	0.7	0.1	1.6
1960	0.6	0.1	1.6
1961	0.4	0.1	1.5
1962	0.4	0.1	1.5
1963	0.5	0.1	1.7
1964	0.5	0.1	1.8
1965	0.6	0.1	2.0
1966	0.6	0.1	2.0
1967	0.6	0.1	2.1
1968	0.6	0.1	2.2
1969	0.7	0.1	2.3
1970	0.8	0.2	2.5
1971	0.9	0.2	2.7
1972	0.9	0.2	2.9
1973	0.9	0.2	3.0
1974	1.0	0.2	3.2
1975	1.0	0.2	3.5
1976	1.0	0.2	3.6
1977	1.2	0.2	4.0
1978	1.2	0.2	4.1
1979	1.2	0.1	4.2
1980	1.3	0.2	4.5
1981	1.5	0.2	5.1
1982	1.7	0.3	5.5
1983	2.0	0.3	6.0
1984	2.4	0.3	6.7
1985	3.2	0.3	7.7
1986	4.0	0.4	8.8
1987	4.9	0.4	10.2
1988	5.6	0.4	11.7
1989	6.0	0.4	12.3
1990	6.5	0.3	13.1
1991	6.9	0.4	13.7
1992	8.3	0.4	15.4
1993	10.4	0.4	17.8
1994	13.0	0.4	20.8
1995	15.9	0.4	24.4
1996	17.7	0.4	26.6
1997	18.0	0.4	27.3
1998	18.7	0.4	28.4
1999	20.1	0.5	30.7
2000	21.5	0.5	32.4
2001	22.7	0.5	34.6
2002	24.1	0.5	36.8
2003	25.1	0.5	38.9
2004	26.6	0.6	41.9
2005	28.1	0.5	44.3
2006	29.9	0.5	47.3
2007	31.4	0.5	49.9
2008	32.7	0.5	52.9
2009	34.8	0.5	55.7
2010	36.7	0.5	59.9

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *Global Aquaculture Production*, electronic database, at www.fao.org/fishery/topic/16140/en, updated March 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Farmed Fish Production in China and the United States, 1950-2010



Source: FAO

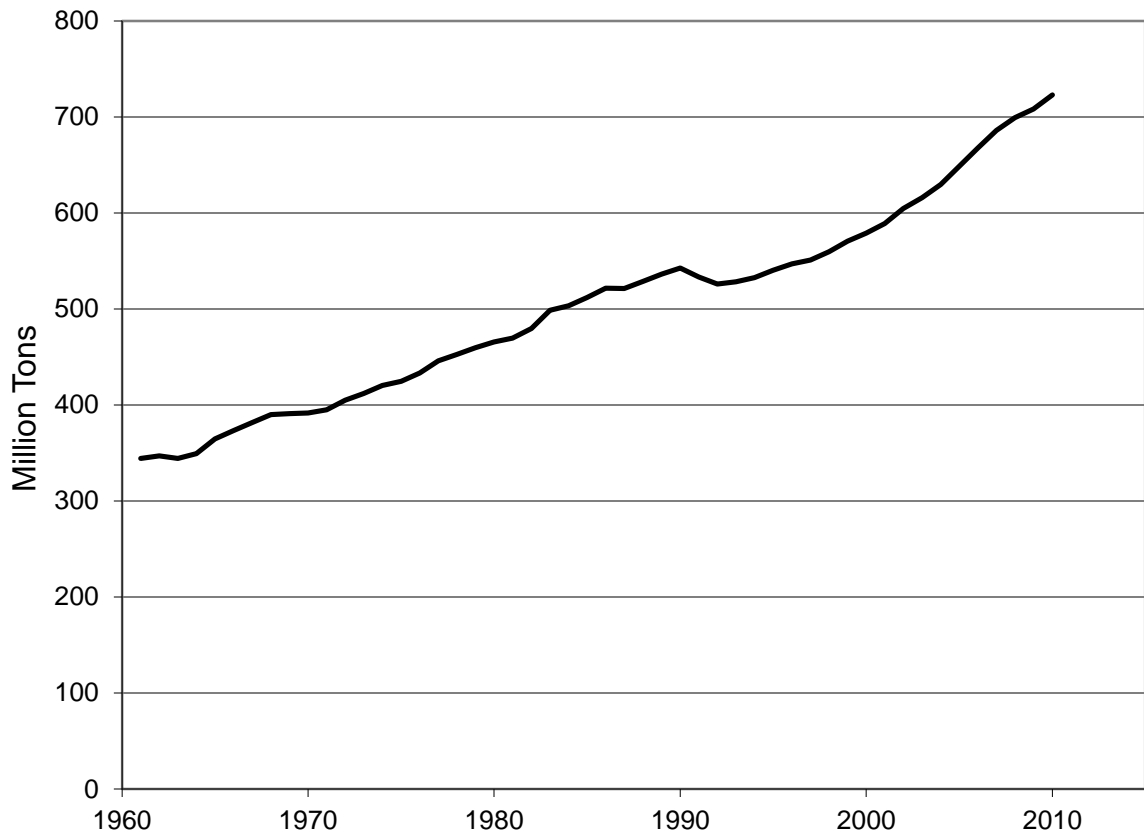
World Milk Production, 1961-2010

Year	Production Million Tons
1961	344
1962	347
1963	344
1964	349
1965	365
1966	373
1967	382
1968	390
1969	391
1970	392
1971	395
1972	405
1973	412
1974	420
1975	425
1976	433
1977	446
1978	453
1979	460
1980	466
1981	470
1982	480
1983	499
1984	503
1985	512
1986	522
1987	521
1988	529
1989	536
1990	543
1991	533
1992	526
1993	528
1994	533
1995	540
1996	547
1997	551
1998	560
1999	571
2000	579
2001	589
2002	605
2003	616
2004	630
2005	649
2006	668
2007	686
2008	699
2009	708
2010	723

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

World Milk Production, 1961-2010



Source: FAO

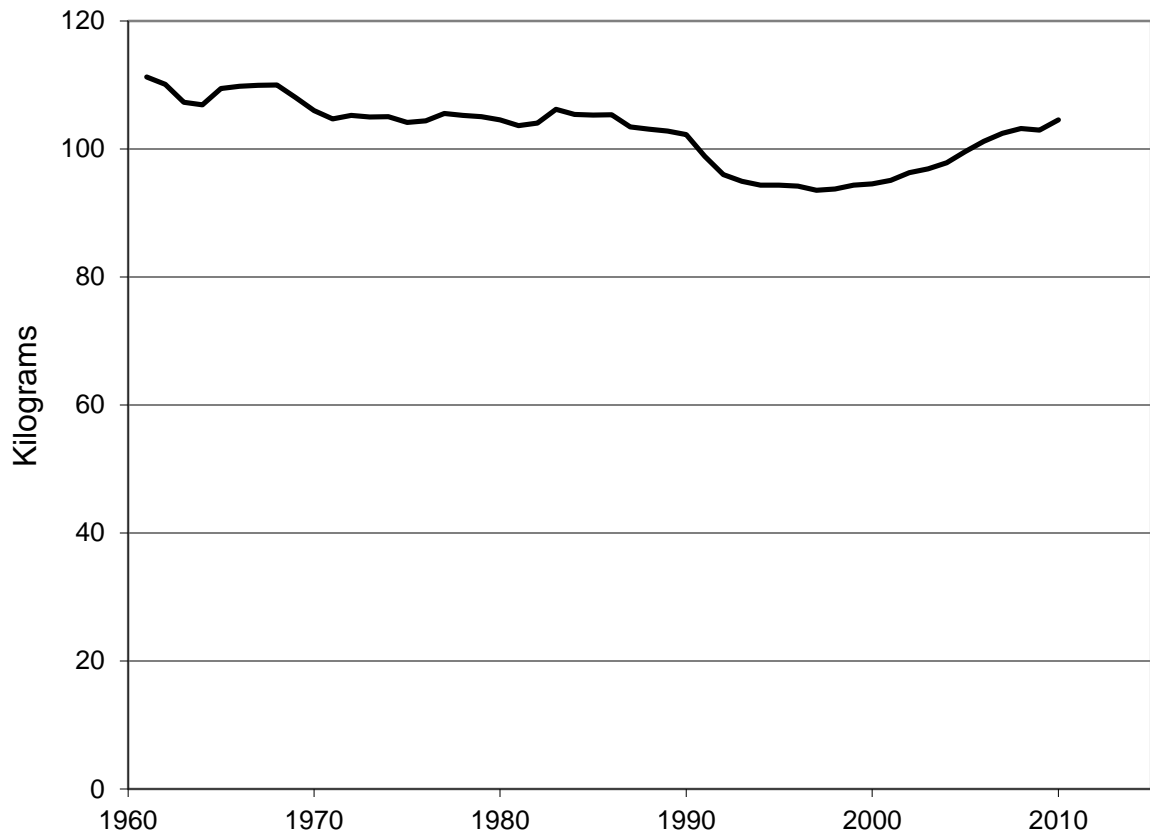
World Milk Production Per Person, 1961-2010

Year	Production Kilograms
1961	111
1962	110
1963	107
1964	107
1965	109
1966	110
1967	110
1968	110
1969	108
1970	106
1971	105
1972	105
1973	105
1974	105
1975	104
1976	104
1977	106
1978	105
1979	105
1980	105
1981	104
1982	104
1983	106
1984	105
1985	105
1986	105
1987	103
1988	103
1989	103
1990	102
1991	99
1992	96
1993	95
1994	94
1995	94
1996	94
1997	94
1998	94
1999	94
2000	95
2001	95
2002	96
2003	97
2004	98
2005	100
2006	101
2007	102
2008	103
2009	103
2010	105

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, electronic database, at faostat.fao.org, updated 23 February 2012; world population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at esa.un.org/unpd/wpp/index.htm, updated 3 May 2011.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

World Milk Production Per Person, 1961-2010



Source: FAO; UNPop

Milk Consumption in Top Ten Countries, 2009

Rank	Country	Consumption Million Tons
1	India	110
2	United States	85
3	China	44
4	Pakistan	34
5	Russia	34
6	Brazil	30
7	Germany	24
8	France	19
9	United Kingdom	17
10	Italy	17
	World	692

Note: Does not include butter.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Milk Consumption Per Person in Top Ten Countries, 2009

Rank	Country	Consumption
		Kilograms Per Person Per Year
1	Finland	375
2	Sweden	357
3	Netherlands	357
4	Lithuania	354
5	Switzerland	312
6	Greece	283
7	Albania	282
8	Romania	273
9	Estonia	272
10	Kazakhstan	267
	World	87.3

Note: Does not include butter.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

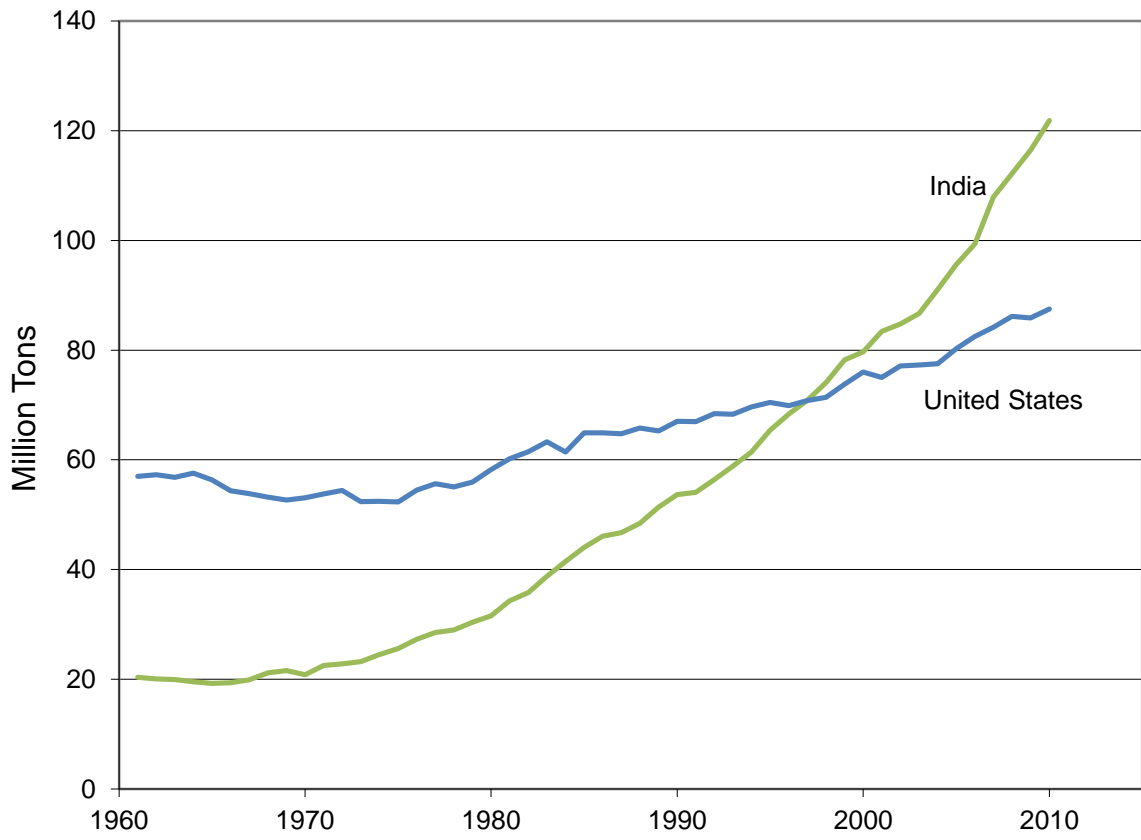
Milk Production in India and the United States, 1961-2010

Year	India	United States
	Million Tons	
1961	20.4	57.0
1962	20.1	57.3
1963	19.9	56.8
1964	19.5	57.6
1965	19.2	56.3
1966	19.4	54.4
1967	19.9	53.9
1968	21.2	53.2
1969	21.6	52.7
1970	20.8	53.1
1971	22.5	53.8
1972	22.8	54.4
1973	23.2	52.4
1974	24.5	52.4
1975	25.6	52.3
1976	27.3	54.5
1977	28.5	55.6
1978	29.0	55.1
1979	30.4	56.0
1980	31.6	58.2
1981	34.3	60.2
1982	35.8	61.5
1983	38.8	63.3
1984	41.5	61.4
1985	44.0	64.9
1986	46.1	64.9
1987	46.7	64.7
1988	48.4	65.8
1989	51.4	65.3
1990	53.7	67.0
1991	54.1	67.0
1992	56.4	68.4
1993	58.9	68.3
1994	61.4	69.7
1995	65.4	70.4
1996	68.4	69.9
1997	70.9	70.8
1998	74.1	71.4
1999	78.2	73.8
2000	79.7	76.0
2001	83.4	75.0
2002	84.8	77.1
2003	86.7	77.3
2004	91.1	77.5
2005	95.6	80.3
2006	99.3	82.5
2007	107.9	84.2
2008	112.2	86.2
2009	116.4	85.9
2010	121.8	87.5

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Milk Production in India and the United States, 1961-2010



Source: FAO

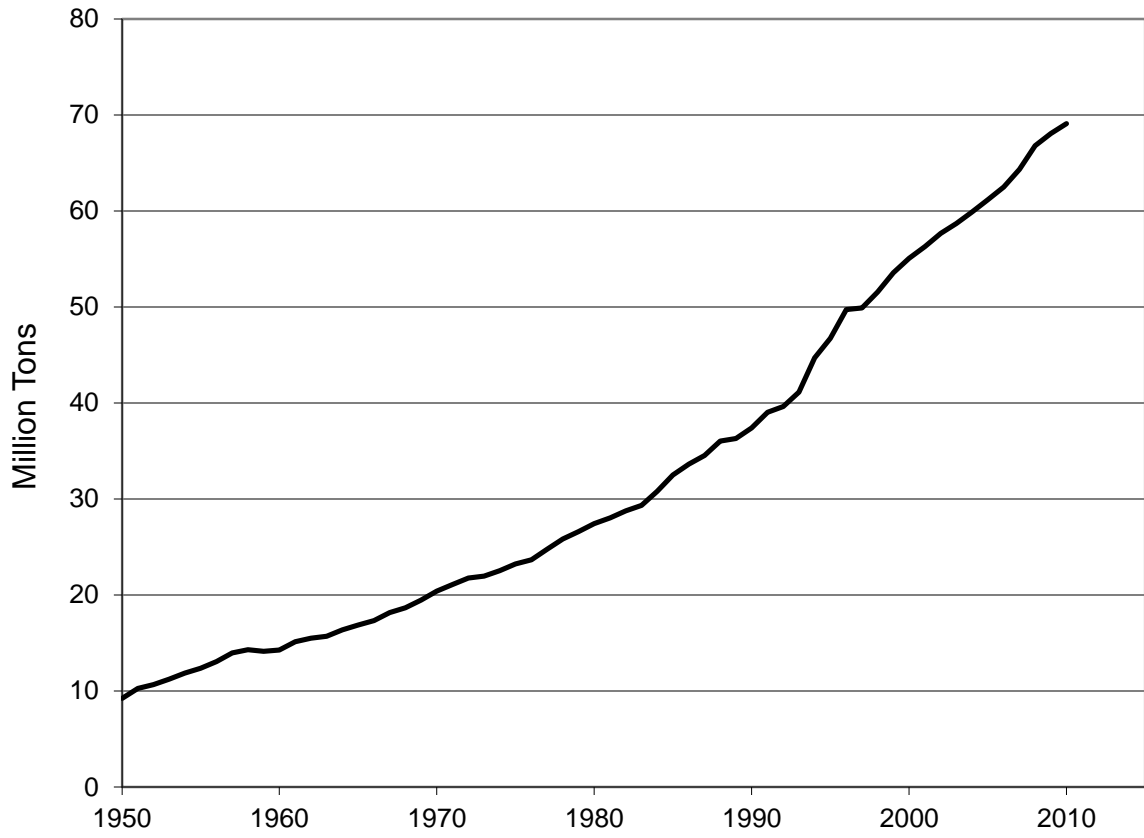
World Egg Production, 1950-2010

Year	Production Million Tons
1950	9.2
1951	10.3
1952	10.7
1953	11.2
1954	11.9
1955	12.4
1956	13.1
1957	14.0
1958	14.3
1959	14.1
1960	14.3
1961	15.1
1962	15.5
1963	15.7
1964	16.4
1965	16.9
1966	17.3
1967	18.2
1968	18.7
1969	19.5
1970	20.4
1971	21.1
1972	21.8
1973	22.0
1974	22.5
1975	23.2
1976	23.7
1977	24.8
1978	25.8
1979	26.6
1980	27.4
1981	28.0
1982	28.8
1983	29.3
1984	30.8
1985	32.5
1986	33.6
1987	34.5
1988	36.0
1989	36.3
1990	37.4
1991	39.0
1992	39.6
1993	41.1
1994	44.7
1995	46.7
1996	49.7
1997	49.9
1998	51.6
1999	53.6
2000	55.1
2001	56.3
2002	57.7
2003	58.7
2004	59.9
2005	61.2
2006	62.5
2007	64.3
2008	66.8
2009	68.1
2010	69.1

Source: Compiled by Earth Policy Institute with 1950-1960 data compiled by Worldwatch Institute from U.N. Food and Agriculture Organization (FAO), *1948-1985 World Crop and Livestock Statistics* (Rome: 1987); 1961-2010 data from FAO, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012.

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World Egg Production, 1950-2010



Source: Worldwatch; FAO

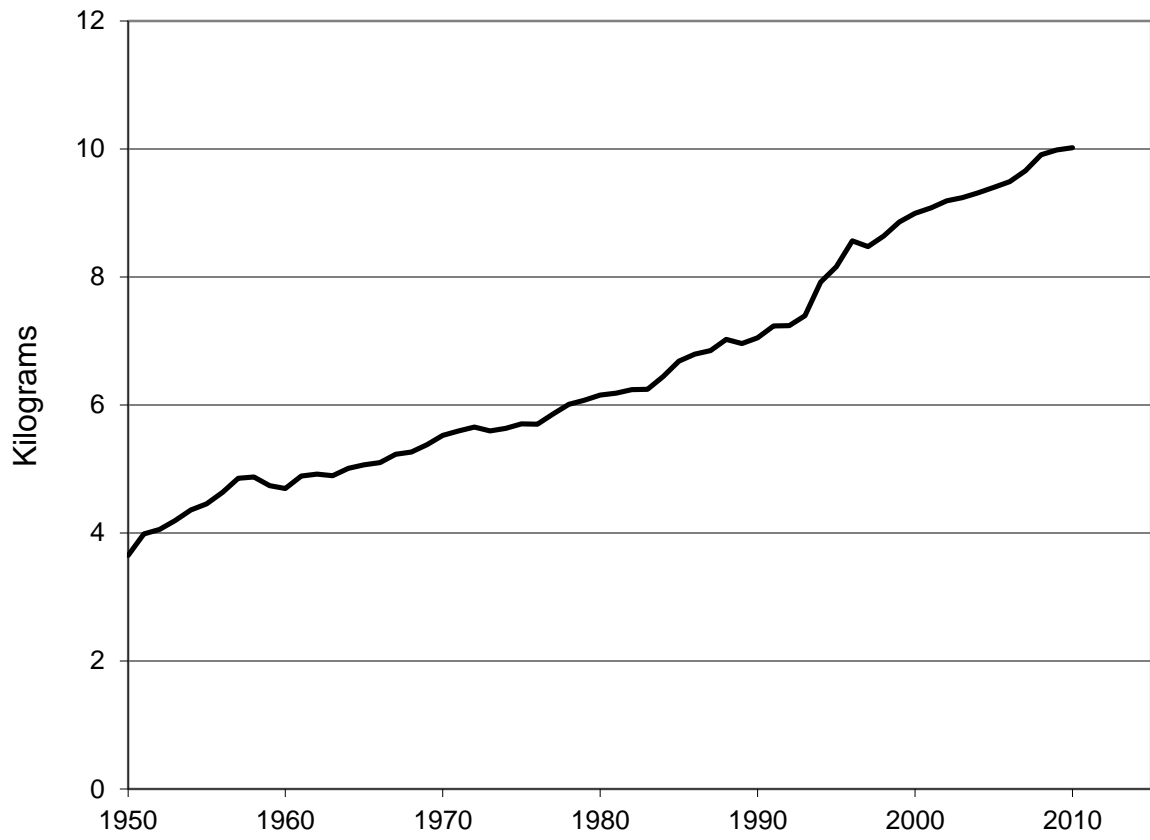
World Egg Production Per Person, 1950-2010

Year	Production Kilograms
1950	3.7
1951	4.0
1952	4.1
1953	4.2
1954	4.4
1955	4.5
1956	4.6
1957	4.9
1958	4.9
1959	4.7
1960	4.7
1961	4.9
1962	4.9
1963	4.9
1964	5.0
1965	5.1
1966	5.1
1967	5.2
1968	5.3
1969	5.4
1970	5.5
1971	5.6
1972	5.7
1973	5.6
1974	5.6
1975	5.7
1976	5.7
1977	5.9
1978	6.0
1979	6.1
1980	6.2
1981	6.2
1982	6.2
1983	6.2
1984	6.4
1985	6.7
1986	6.8
1987	6.9
1988	7.0
1989	7.0
1990	7.0
1991	7.2
1992	7.2
1993	7.4
1994	7.9
1995	8.2
1996	8.6
1997	8.5
1998	8.6
1999	8.9
2000	9.0
2001	9.1
2002	9.2
2003	9.2
2004	9.3
2005	9.4
2006	9.5
2007	9.7
2008	9.9
2009	10.0
2010	10.0

Source: Compiled by Earth Policy Institute with 1950-1960 egg data compiled by Worldwatch Institute from U.N. Food and Agriculture Organization (FAO), *1948-1985 World Crop and Livestock Statistics* (Rome: 1987); 1961-2010 egg data from FAO, *FAOSTAT*, electronic database, at faostat.fao.org, updated 7 August 2012; world population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at esa.un.org/unpd/wpp/index.htm, updated 3 May 2011.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

World Egg Production Per Person, 1950-2010



Source: FAO; UNPop

Egg Consumption in Top Ten Countries, 2009

Rank	Country	Consumption Million Tons
1	China	27.7
2	United States	5.2
3	India	3.2
4	Japan	2.5
5	Mexico	2.4
6	Russia	2.2
7	Brazil	2.0
8	Indonesia	1.3
9	Germany	1.1
10	France	1.0
	World	67.5

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at www.earth-policy.org.

Egg Consumption Per Person in Top Ten Countries, 2009

Rank	Country	Consumption
		Kilograms Per Person Per Year
1	Paraguay	19.5
2	Japan	19.1
3	China	18.5
4	Mexico	18.1
5	Denmark	16.8
6	Belarus	15.6
7	Ukraine	15.6
8	Slovakia	15.0
9	Hungary	14.8
10	Belgium	14.8
	World	8.9

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at faostat.fao.org, updated June 2012.

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