

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

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.

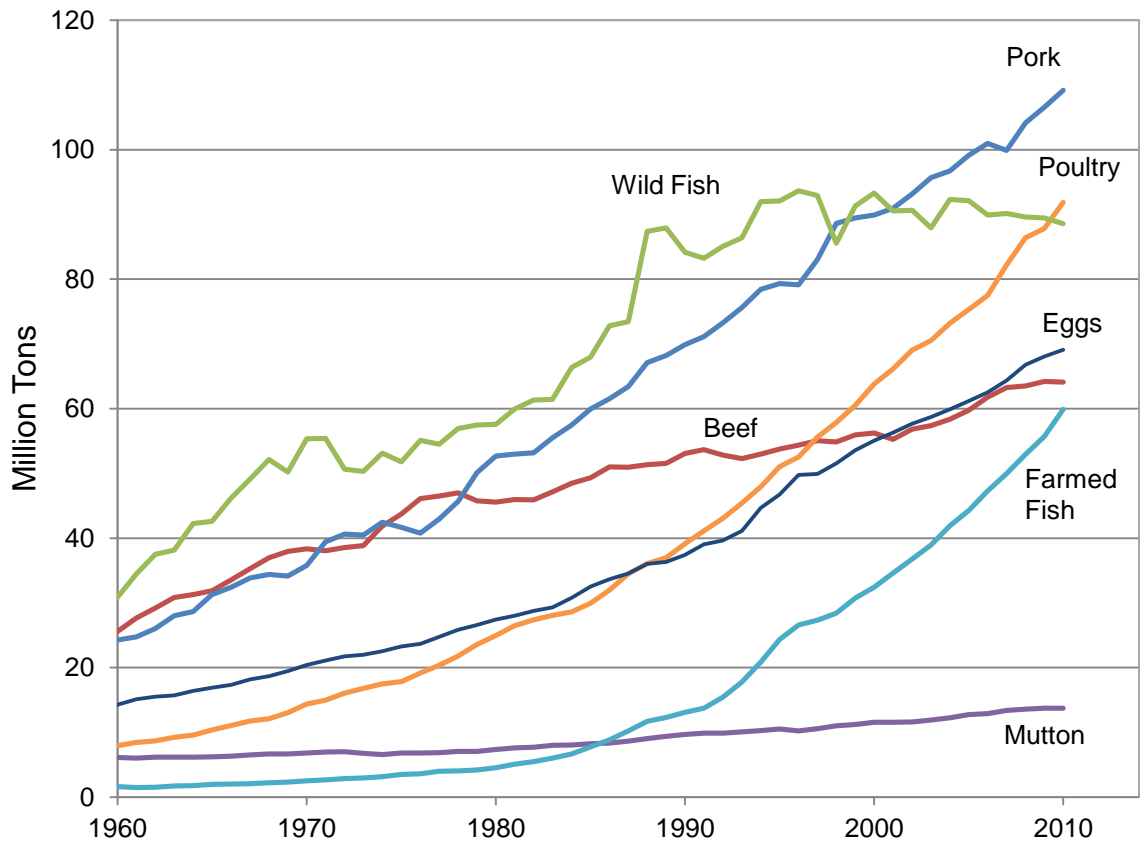
World Animal Protein Production by Type, 1950-2010

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

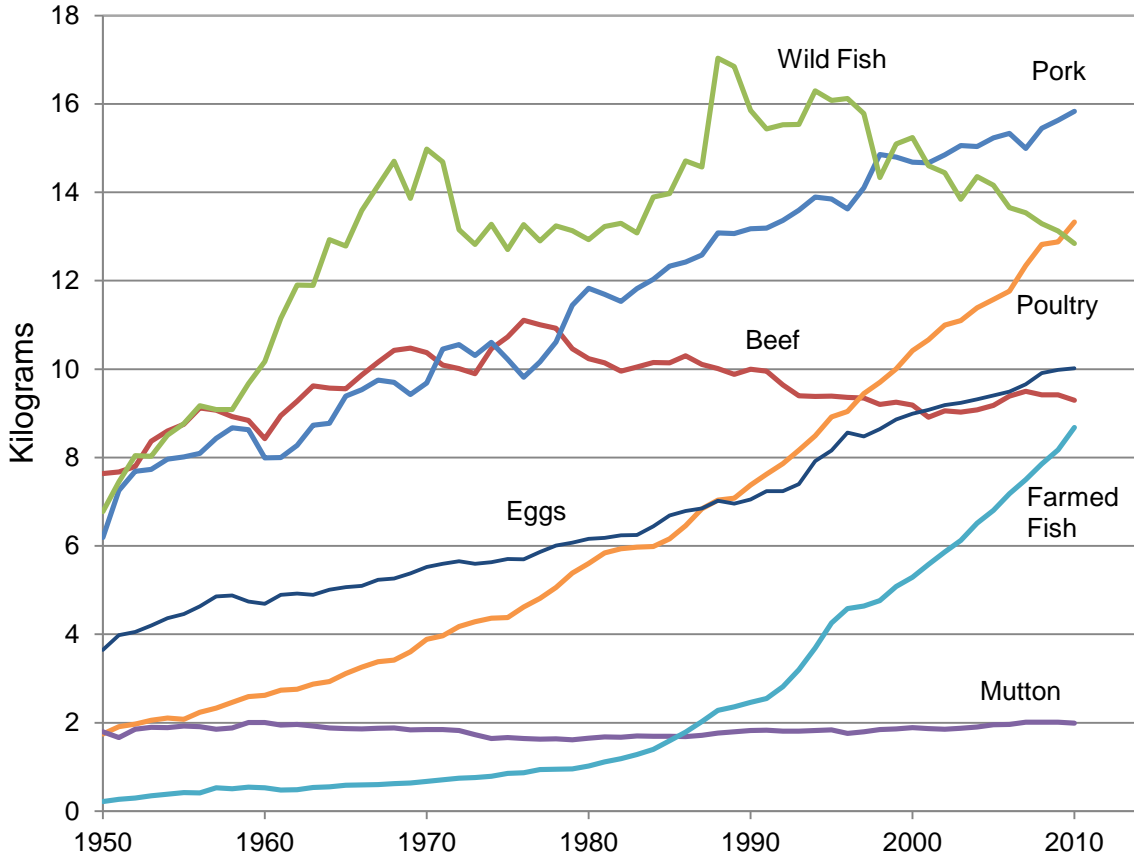
World Animal Protein Production Per Person by Type, 1950-2010

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

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



Source: FAO, UNPop, Worldwatch