

The contribution of primary industries to the NSW economy: key data 2011

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ALL PRIMARY INDUSTRIES (PI) 2008–09

GROSS VALUE (GV) OF PRODUCTION			
	NSW \$m	Aust. \$m	NSW %
Agriculture	9,091.0	41,849.0	22
Fisheries	175.0	2,988.7	6
Forestry (sawn logs delivered)	348.0	1,717.0	20
Minerals	22,600.0	160,058.0	14
All PI	32,214.0	206,612.7	16
Gross state product (GSP) NSW	394,980.0	1,255,241.0	31
GV agriculture as % GSP	2.3	3.3	
GV PI as GSP	8.2	16.5	

CONTRIBUTION TO EXPORTS			
	NSW \$m	Aust. \$m	NSW %
Agriculture	5,035	32,027	16
Fish and seafood	29.5	1,145.3	3
Forest products (excl. board, paper and pulp)	148.8	1,190.6	12
Minerals, metals and coal	26,095.0	137,954.0	19
Estimated value PI exports	31,308.3	172,316.9	18
All merchandise exports	38,776.0	230,828.0	17
PI exports as % of merchandise exports	80.7	74.7	

TOTAL EMPLOYMENT (FULL-TIME) 2006			
	persons NSW	persons Aust.	NSW %
Agriculture and services	73,420	259,098	28.3
Fishing and services	1,815	9,735	18.6
Forest industry and services	2,522	8,929	28.2
Mining and services	20,318	106,905	19.0
All PI	98,075	384,667	25.5
Full-time employed all industries	2,909,448	9,104,187	32.0
% in PI	3.4	4.3	
% in PI non-metro areas	11.3	11.6	

Metro areas are counted as all capital cities plus Newcastle, Wollongong and the Gold Coast. Non metro, regional, is the balance.

THE IMPORTANCE OF PRIMARY INDUSTRY PRODUCTION AND EMPLOYMENT IN THE NSW ECONOMY

The primary outputs of NSW primary industries contribute directly to the output of other business and industry in NSW. The value of these direct and indirect outputs can be estimated to show the overall contribution of primary industries to the economy of NSW. The estimate is reached by applying the multiplier coefficients calculated by ABS for different industry sectors, and are shown in the table below.

GROSS VALUE OF PRODUCTION, PRIMARY INDUSTRIES, NSW, 2007–08 (\$ MILLION)			
Sector	primary output (GVP)	multiplier	extended total
Agriculture	9,091	2.178	19,800
Commercial fishing	175	2.485	435
Forestry and logging	348	2.485	865
Mining	22,600	2.136	48,274
Total	32,214		69,374
GSP NSW	394,980.0		
GV PI as % GSP	8.2		
Extended GV PI, as % GSP	17.6		

EMPLOYMENT

ABS has published separate multipliers (Type 2A) to estimate the overall effect upon employment in Australia by the operation of primary industries. These are applied to NSW labour data to estimate the extended influence of PI on employment in NSW. This method of simple estimation was endorsed by the Centre for Policy Studies at Monash University, who operate the *Monash Model*.

Employment data are collected by ABS in two ways: annually by survey, and every five years in a census. For small sectors, the results are different as samples in the surveys are relatively small. Because of this, 'Key Data' only refers to census data for consistency.

EMPLOYMENT, PRIMARY INDUSTRIES, NSW, PERSONS, 2006 CENSUS (detailed employment data only available in census years)			
Sector	employ't	multiplier	extended total
Agriculture and services	73,420	1.828	134,212
Commercial fishing	1,815	2.424	4,399
Forestry and logging	2,522	2.424	6,113
Mining and services	20,318	3.977	80,805
Total	98,075		225,529
	all NSW	reg. NSW	
Total employed	2,909,448	686,759	
PI employed	98,075	77,804	
PI employment as % all employment	3.4	11.3	
Extended employment (EE) PI	225,529	168,525	
EE PI, as % total NSW	7.8	24.5	

Note: Regional (reg.) NSW is defined as the whole state less the metro areas of Sydney, Newcastle, and Wollongong. Location of employed persons is enumerated by the place of residence.

SOURCES

Australian Bureau of Agricultural and Resource Economics (2010), *Australian Forest and Wood Products Statistics, September and December quarters 2009, May*.

Australian Bureau of Agricultural and Resource Economics (2010), *Australian Fisheries Statistics 2009, August*.

Australian Bureau of Agricultural and Resource Economics (2010), *Australian Mineral Statistics, September quarter 2010, December*.

Australian Bureau of Agricultural and Resource Economics (2010), *Australian Commodity Statistics 2010, December*.

Australian Bureau of Statistics (2010), Cat. No. 1329.0, *Australian Wine and Grape Industry 2009, June*.

Australian Bureau of Statistics (2007), Cat. No. 2068.0, *Census Tables 2006, Census tables by location and industry of employment, June*.

Australian Bureau of Statistics (2010), Cat. No. 5220.0, *Australian National Accounts: State Accounts 2009–10, November*.

Australian Bureau of Statistics (1995), Cat. No. 5246.0, *Australian National Accounts: Introduction to Input-Output Multipliers, April*.

Australian Bureau of Statistics (2011), Cat. No. 5368.0, *International Trade in Goods and Services, Australia 2010, January*.

Australian Bureau of Statistics (2010), Cat. No. 7121.0, *Agricultural Commodities, Australia 2008–09, April*.

Australian Bureau of Statistics (2010), Cat. No. 7215.0, *Livestock Products, Australia December 2009, February*.

Australian Bureau of Statistics (2010), Cat. No. 7503.0, *Value of Agricultural Commodities Produced, Australia 2008–09, June*.

Australian Bureau of Statistics (2010), Cat. No. 8155.0, *Australian Industry 2008–09, May*.

Australian Bureau of Statistics (2007), Cat. No. 8165.0, *Counts of Australian Businesses, including Entries and Exits, June 2003 to June 2007, December (no update available)*.

Coal Services P/L (2009), *Annual Report 2008–09, October*.

Mineral Resources Branch, Industry & Investment NSW, unpublished data, 2011.

AGRICULTURE 2008–09

	NSW	Aust.	NSW %	Av. NSW 00–09
Agricultural land (million ha)	57	409	14	n.a.
Non-agric. land (million ha)	23	360	6	n.a.
Total area of NSW (million ha)	80	769	10	n.a.

Number of farms

(ABS has changed the basis on which it categorises and enumerates businesses, from its own categorisation of census forms to the Australian Business Register, available since 2000 with the advent of ABN registration)

Flower and nursery	616	1,923	32	879
Fruit and vegetable	4,286	16,748	26	4,548
Livestock for meat and wool	20,672	49,793	42	21,350
Grain and mixed grain/livestock	8,694	26,993	32	9,743
Dairy cattle farming	1,016	7,749	13	1,459
Other agriculture production	7,830	32,790	24	3,709
All farms	43,114	135,996	32	41,688

Stock numbers ('000)

Cattle and calves (beef)	5,533	25,294	22	5,856
Sheep and lambs	25,546	72,740	35	33,825

Production ('000 tonnes)

Wheat	6,963	21,420	33	6,167
Barley	1,449	7,997	18	1,310
Rice	61	61	100	640
Canola	228	1,844	12	413
Sugar cane (cut for crushing)	1,614	31,457	5	2,360
Cotton (lint)	155	309	50	291
Oranges	167	348	48	221
Apples	41	295	14	56
Beef and veal	469	2,148	22	456
Mutton and lamb	162	658	25	180
Wool	119	371	32	176
Whole milk (million L)	1,065	9,389	11	1,235
Wine (million L)	437	1,178	37	381

GV agricultural products (\$m)

Wheat for grain	1,845	6,021	31	1,334
Barley	372	1,850	13	243
Rice	34	34	100	173
Canola	127	1,011	13	148
Cotton	326	651	50	559
Fruit and nuts (inc. grapes)	677	4,084	18	738
Cattle and calves	1,491	7,451	20	1,469
Sheep and lambs	513	2,492	21	456
Pork	215	895	24	271
Poultry	630	1,861	34	470
Wool	618	1,806	34	867
Milk	558	3,988	14	438
Other	1,685	9,705		
Total agriculture	9,091	41,849	22	

Main agricultural exports (\$m)

Wheat	1,546	4,755	33
Beef	941	4,307	22
Wine	605	2,478	24
Wool	734	2,280	32
Total agricultural exports	5,035	32,027	16

Agricultural exports for calendar year 2009

FISHERIES 2008–09

	NSW	Australia	NSW %
Length of coastline (km)	2,007	35,877	6
Number of fishing businesses 2007 (Australian Business Register, 2006–07)	1,443	8,217	18

Fisheries production by location of catch (tonnes)

Tuna	1,058	13,700	8
Other fish	17,090	146,309	12
Prawns	2,028	23,941	8
Rock lobster	122	11,700	1
Abalone	103	5,600	2
Other crustaceans and molluscs	1,190	20,568	6

Aquaculture production (tonnes)

Edible oysters	4,690	14,081	33
Trout	143	29,722	0
Silver perch	180	283	64
Prawns	164	3,985	4
Other aquaculture	191	19,951	1

Total production, wild and aquaculture

	26,959	289,840	9
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Gross value fish and aquaculture products (\$m)

Marine fish (excl. tuna)	71.2	789.9	9
Oysters	40.0	92.4	43
Prawns	22.0	289.3	8
Tuna	8.8	187.1	5
Abalone	3.3	188.4	2
Other	29.8	1,441.7	2
Total fish and aquaculture	175.1	2,988.7	6

Main fishery exports (\$m)

Prawns	8.2	82.2	10
Fish	10.6	333.9	3
Abalone	2.7	208.2	1
Rock lobster	7.6	461.7	2
Other seafood exports	0.5	59.4	2
Total seafood exports	29.5	1,145.3	3

FORESTRY 2008–09

Area of forest 2009 ('000 ha)	NSW	Australia	NSW % Aust.
Open forest and woodland	25,703	143,127	18
Closed forest	505	4,270	12
Plantation forest	383	2,020	19
Total forest	26,591	149,417	18
Total land area	80,064	769,202	10

Sawnwood production 2008–09 ('000 cu m)

Coniferous (softwood)	3,705.0	12,941.0	29
Eucalypt (hardwood)	1,669.0	12,255.0	14

GV forestry products (\$m)

GV of logs delivered	348.0	1,717.0	20
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Main forestry exports, 2008–09 (\$m)

Sawnwood	28.5	124.8	23
Roundwood	6.2	26.2	24
Woodchips	108.4	996.8	11
Misc. forest and wood products	5.7	42.8	13
Total forest product exports	148.8	1,190.6	12

MINERALS 2008–09

	NSW	Australia	NSW %
Coal mines	60	121	50
Gold mines	5	58	9
Other major mines	10	n.a.	

Production ('000 tonnes)

Black coal (saleable)	138,456.00	340,207.00	41
Copper (content)	158.00	881.03	18
Zinc (content)	122.00	1,253.46	10
Silver (content)	0.07	1.90	4
Lead (content)	73.00	553.80	13
Gold (content)	0.0280	0.2133	13

GV minerals (\$m)

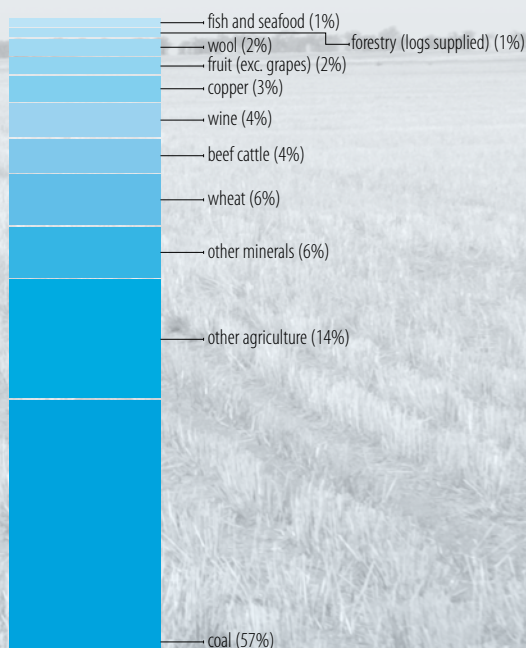
Coal	19,494	61,392	32
Copper	1,036	5,775	18
Zinc	231	2,377	10
Silver	40	1,073	4
Lead	144	1,112	13
Gold	1,084	8,260	13
Other minerals and gems	571	80,069	1
Total value mineral production	22,600	160,058	14

Main mineral and coal exports 2008–09 (\$m)

Coal	22,532	54,957	41
Copper	1,055	5,863	18
Zinc	186	1,858	10
Silver	10	245	4
Lead	213	1,637	13
Gold	2,099	16,146	13
Total value these exports	26,095	80,706	
Total coal and metals	n.a.	137,954	

Note: NSW exports are estimated as proportion of national exports corresponding to NSW proportion of national production. NSW also processes and exports aluminium, iron and steel and petroleum from bauxite, iron and oil mined in other states, but does not produce the raw materials.

PRINCIPAL NSW PRODUCTS BY VALUE 2008–09



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