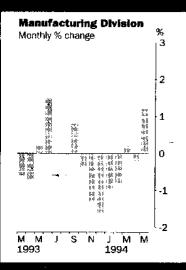


Manufacturing Division Base: 1984-85 = 100.0 Index 170 — Imported 160 Home produced 150 140 120 May May May May May 1990 1991 1992 1993 1994



INQUIRTES

 For further information about these and related statistics, contact Geoff Brown on 06 252 5348, or any ABS Office.

PRICE INDEXES OF MATERIALS USED IN MANUFACTURING INDUSTRIES AUSTRALIA

EMBARGOED UNTIL 11:30AM FRI 22 JULY 1994

FIGURES KEY % change % change Apr 94 to May 93 to May 94 May 94 Manufacturing Division 1.2 -1.7Imported materials 1.9 -1.0Home produced materials 8.0 -2.2

MAY KEY POINTS

MANUFACTURING DIVISION INDEX

The 1.2 per cent increase in the Manufacturing Division index in May was the
 largest monthly increase since June 1993.

MAJOR MOVEMENTS

- Higher world oil prices were reflected in home produced crude petroleum (+4.2%) and imported crude petroleum and condensates (+10.6%). World prices for crude petroleum have continued to increase during June.
- Lower export demand led to a price slump for cattle and calves (-3.6%), following price increases over the past few months.

FORTHCOMING ISSUES

ISSUE

RELEASE DATE

June 1994

22 August 1994

July 1994

22 September 1994

August 1994

21 October 1994

CHANGES IN THIS ISSUE

There are no changes in this issue.

IAN CASTLES

AUSTRALIAN STATISTICIAN

SOURCE OF MATERIALS.....

Period	Manufacturing Division	Imported materials	Home produced materials
		**	
1990-91	123.8	124.7	123.3
199192	120.7	123.3	119.3
1992-93	126.6	130.6	124.6
1993			
March	125.9	129.9	123.8
April	125.0	129.6	122.6
May	125.3	130.7	122.5
June	127.2	134.3	123.4
July	127.2	134.5	123.4
August	127.1	133.3	123.9
September	128.1	135.5	124.3
October	127.6	135.8	123.2
November	126.0	135.2	121.1
December	124.0	133.6	119.0
1994			•
January	122.7	130.7	118.4
February	121.1	128.8	118.0
March	122.0	127.7	119.0
April	121 .7	127.0	118.9
May	123.2	129.4	119.8

¹ Base of each index: 1984-85 = 100.0

SOURCE OF MATERIALS.....

Period	Manufacturing Division	Imported materials	Home produced materials						
			* * * * * * * * * * * * * * * * * * * *						
	PERCENTAGE CHANGE (from previous year)								
1990-91	4.0	3.0	4.6						
1991-92	- 2.5	~1.1	-3.2						
1992-93	4.9	5.9	4.4						
- 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
PEI	RCENTAGE CHANGE (from	corresponding month	of previous year)						
1993	·	. 0	•						
March	4.9	5.1	4.8						
April	3.7	5.5	2.8						
May	2.4	5.2	0.9						
June	2.1	6.8	-0.5						
July	0.8	5.3	-1.6						
August	0.0	3.0	-1.6						
September	0.9	4.5	-0.9						
October	-0.2	4.1	-2.5						
November	-1.5	3.0	-4.0						
December	-2.4	1.8	-4.6						
1994		1.0							
January	-3.2	0.8	-4.5						
February	-3.9	-1.5	-5.3						
March	-3.1	-1.7	-3.9						
April	-2.6	-2.0	-3.0						
May	-1.7	-1.0	-2.2						
* * * * * * * * * * * * * * * * * * * *		. 4 4 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9							
PERCENTAGE CHANGE (from previous month)									
1993	i Endermide din	mae (nom promotos m	31117						
March	-0.6	-0.7	-0.6						
April	-0.7	-0.2	-1.0						
May	0.2	0.8	-0.1						
June	1.5	2.8	0.7						
July	0.0	0.1	0.0						
August	-0.1	-0.9	0.4						
September	0.8	1.7	0.3						
October	-0.4	0.2	-0.9						
November	-1.3	-0.4	-1.7						
December	-1.6	-1.2	-1.7						
1994	1.0	±. Z	-1.1						
January	-1.0	-2.2	-0.5						
February	-0.8	-1.5	-0.3 -0.3						
March	0.2	-0.9	0.8						
April	-0.2 -0.2	-0.5 -0.5	-0.1						
Мау	1.2	-0.5 1.9	0.8						
тау	1.2	T'2	0.6						



MANUFACTURING DIVISION INDEX, Contribution of Categories of Materials¹

Category	April 1994	Мау 1994	Change
Manufacturing Division	121.7	123.2	1.5
IMPORTED MATERIALS: Contribution			
All imported materials	43.87	44.69	0.82
Crude petroleum and condensates	3.31	3.66	0.35
Textile fibres, yarns and fabrics	5.67	5.81	0.14
Pulp, paper and materials made of paper	3.04	3.02	-0.02
Chemicals and chemical based materials	8.86	9.14	0.28
Basic iron and steel	2.66	2.66	0.00
Components for machinery and equipment	10.60	10.64	0.04
Other imported materials	9.73	9.76	0.03
HOME PRODUCED MATERIALS: Cont All home produced materials			
Live animals	19.10	18.67	-0.43
Other agricultural materials	16.60	16.78	0.18
Hardwood and softwood logs	1.89	1.89	0.00
Fish, prawns and lobsters	1.86	1.94	0.08
Metal ores and concentrates	9.50	9.64	0.14
Coal, crude petroleum and gas	17.78	· 18.37	0.59
Electricity	5.79	5.78	-0.01
Other home produced materials	5.31	5.35	0.04
¹ For an explanation of this table see paragraph 16 of	the Explanatory N	otes	



MANUFACTURING DIVISION INDEX, Selected Categories of Imported Materials¹

		Crude		Textile fibres.	Pulp, paper and materials	Chemicals and chemical	Basic	Components for machinery	•	All
	Agricultural	petroleum and	Mining	varns and	made of	based	iron and	and	Manufactured	imported
Period	materials	condensates	materials	fabrics	paper	materials	steel	equipment	materials	materials
*********					* *		,	******	* * * * * : .	
1990-91	83.5	73.5	79.7	138.2	129.7	158.7	131.2	144.3	140.3	124.7
1991-92	85.0	61.8	70.2	140.0	124.5	162.6	128.2	145.5	141.3	123.3
1992-93	89.6	67.2	72.5	148.7	125.1	165.4	1.25,6	162.7	150.2	130.6
1993										
March	94.2	65.7	70.8	148 .5	126.4	160.4	122.7	164.9	149.6	129.9
April	93:4	65.2	70.4	147.9	122.9	159.8	121.9	164.9	149.3	129.6
May	93.7	64.8	70.2	149.7	123.6	161.2	124.1	169.1	150.9	130.7
June	91.2	65.0	70.7	152.6	121.5	170.0	122.9	176.6	155.7	134.3
July	90.8	63.3	69.2	153.2	124.6	169.0	122.9	178.3	156.4	134.5
August	91.5	5 9 .4	64.8	152.8	125.0	164. 9	122.8	180.9	1 56.1	133.3
September	92.1	61.9	67.2	154.2	123.7	168.4	123.9	183.4	158.3	135.5
October	93.0	62.0	67.6	155.0	124.8	167.3	123.8	184.6	158.5	135.8
November	93.0	62.1	67.6	155.5	125.1	165.8	124.3	183.5	1 57.8	135.2
December	92,6	57.5	63.5	154.0	123.5	164.7	124.4	182.6	156.8	133.6
1994										
January	92.5	52.5	59.0	152.4	123.0	161.4	124.4	178.4	154.3	130.7
February	91.3	54.3	60.3	149.5	120.9	159.0	123.3	173.0	1 51.4	128.8
March	91.8	51.7	58.1	148.4	118.9	156.8	122.8	174.6	150.5	127.7
April	92.2	49.8	56.7	150.1	117.2	156.3	122.7	174.0	150.0	127.0
May	92.9	55.1	61.1	153.6	116.7	161.2	122.4	174.7	151.9	129.4

¹ Base of each index; 1984-85 = 100.0



MANUFACTURING DIVISION INDEX, Selected Categories of Home Produced Materials¹

Period	Live animals	Other agricultural materials	Hardwood and softwood logs	Fish, prawns and lobsters	Agricultural, forestry and fishing materials	Metal ores and concen- trates	Coal, crude petroleum and gas	Mining materials	Electricity	All home produced materials
			+ - + + - + + +		******		********	******		
1990-91	118.7	130.1	153.6	175.2	126.9	149.4	105.8	119.1	128.9	123.3
1991-92	120.8	131.1	155.8	182.6	128.7	139.2	93.3	108.7	133.0	119.3
1992-93	129.5	135.3	155.3	198.9	135.2	141.6	99.3	113.6	133.2	124.6
1993	400.0									
March	130.8	135.3	154.2	193.2	135.6	137.5	97.9	111.7	132.5	123.8
April	128.7	133.5	155.0	194.9	133.8	136.1	97. 1	110.8	132.8	122.6
May	124.9	137.1	154.2	205.8	133.9	136.2	96.7	110.5	132.7	122.5
June	130.6	136.7	156.1	230.9	137.2	133.9	96.1	109.6	132.9	123.4
July	13 6 .6	135.0	154. 1	240.7	139.6	134.6	93.6	107.3	133.6	123.4
August	139.7	135.6	155.0	250.2	141.7	131.7	93.6	106.6	133.3	123.9
September	140.9	134.8	153.7	254.4	141 .9	129.6	95. 1	107.2	133.2	124.3
October	138 .6	133.6	154.2	255.6	140.4	128.7	94.3	106.4	133.1	123.2
November	139.1	133.8	154.6	260.9	140.9	126.8	88.2	101.7	133.3	121.1
December	140.6	135.2	154.0	251,6	142.0	126.3	81.1	96.6	133.0	119.0
1994										
January	139.7	136.3	153.4	235.9	14 1 .5	129.0	79.2	95.9	133.0	118.4
February	139.1	134.8	153.9	237.3	140.6	129.8	78.9	95.9	132.5	118.0
March	142.6	136.9	154.1	244.4	143.4	130.1	78.2	95.5	132.1	119.0
April	143.4	136.5	155.1	241.3	143.6	130.8	77.6	95.2	132.2	118.9
May	140.2	138.0	155.3	251.6	143.0	132.8	80.2	97.5	131.9	119.8

¹ Base of each index: 1984-85 = 100.0

MANUFACTURING SUBDIVISION INDEXES¹

1.990-91 126.1 131.1 142.3 146.1 148.3 138.8 133.7 1991-92 128.8 126.4 146.2 143.5 148.4 137.5 137.7 1992-93 134.3 128.2 151.3 142.9 153.9 138.0 137.0 139.0 137.0 139.8 March 134.8 125.4 151.6 143.8 153.9 138.2 134.9 April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.8 134.9 1994	Period	Food, beverages and tobacco (21)	Textiles (23)	Clothing (244-245)	Footwear (246)	Wood, wood products and furniture (25)	Paper, paper products, printing and publishing (26)	Basic chemicals and other chemical products (275-276)
1991-92 128.8 126.4 146.2 143.5 148.4 137.5 137.7 1992-93 134.3 128.2 151.3 142.9 153.9 138.0 137.0 1993 March 134.8 125.4 151.6 143.8 153.9 138.2 134.9 April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 <th>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
1992-93 134.3 128.2 151.3 142.9 153.9 138.0 137.0 1993 March 134.8 125.4 151.6 143.8 153.9 138.2 134.9 April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 <td< th=""><th>1990-91</th><th>126.1</th><th>131.1</th><th>142.3</th><th>146.1</th><th>148.3</th><th>138.8</th><th>133.7</th></td<>	1990-91	126.1	131.1	142.3	146.1	148.3	138.8	133.7
1993 March 134.8 125.4 151.6 143.8 153.9 138.2 134.9 April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	1991-92	128.8	126.4	146.2	143.5	148.4	137.5	137.7
March 134.8 125.4 151.6 143.8 153.9 138.2 134.9 April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	1992-93	134.3	128.2	1 51.3	142.9	153.9	138.0	137.0
March 134.8 125.4 151.6 143.8 153.9 138.2 134.9 April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	1007							
April 133.7 123.4 151.4 143.8 156.9 136.4 134.5 May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135,5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9		134.8	125 4	151.6	143.8	153 9	138.2	134.9
May 133.9 123.0 152.4 145.3 158.2 136.9 132.1 June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135,5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9								
June 136.1 126.7 154.3 145.1 162.3 136.1 136.2 July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135.5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	<u>-</u>							
July 137.8 125.8 154.3 145.2 162.3 137.7 136.3 August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135,5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	-							
August 139.2 127.5 153.6 145.0 162.7 137.7 133.9 September 139.6 127.8 155.6 146.9 163.4 137.0 135,5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9								
September 139.6 127.8 155.6 146.9 163.4 137.0 135,5 October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	-			•			•	
October 138.4 128.9 154.2 147.2 163.0 137.8 137.1 November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9	**							
November 138.4 131.0 151.0 146.7 162.6 138.0 136.7 December 139.0 130.9 150.3 147.2 163.8 136.8 134.9								
December 139.0 130.9 150.3 147.2 163.8 136.8 134.9								
1994	December		130.9	150.3	147.2	163.8	136.8	
	1994							
January 138.3 129.9 149.2 146.9 162.5 136.0 133.4	January	138.3	129.9	149.2	146.9	162.5	136.0	133.4
February 137.3 129.6 147.6 146.7 161.0 134.5 132.8	February	137.3	129.6	147.6	146.7	161.0	134.5	132.8
March 139.0 131.2 146.9 147.3 161.3 133.2 131.0	March	139.0	131.2	146.9	147.3	161.3	133.2	131.0
April 139.0 133.1 148.0 147.9 158.8 132.1 131.4	April	139.0	133.1	148.0	147.9	158.8	132.1	131.4
May 138.3 136.2 149.3 148.1 158.8 131.9 133.5	May	138.3	136.2	149.3	148.1	158.8	131.9	133.5

 $^{^{1}}$ Base of each index: 1984-85 = 100.0

PLEASE NOTE

CHANGE IN FORMAT OF THIS PUBLICATION

PRICE INDEXES OF MATERIALS USED IN MANUFACTURING INDUSTRIES AUSTRALIA

Introduction

Several changes have been made to the presentation and style of this publication.

- 2. The new design and layout follows an extensive review of the format and content of a number of ABS main economic indicator publications. As part of the review, the opinions of a variety of publication recipients were sought. Their views have, wherever possible, been incorporated into the new design.
- 3. The most notable changes are:
 - an improved layout for commentary;
 - inclusion of scheduled release dates of forthcoming issues;
 - simplified table titles; and
 - simplified and improved presentation of the Explanatory Notes.
- 4. A table showing links between the 'old' and 'new' table titles appears on page 2 of this insert.

Details of changes

5. Front page: this page provides main movements in the index. The key points are presented in a more structured manner under the headings Manufacturing division index and Major movements.

- 6. Page 2: this page displays the scheduled release dates of forthcoming issues and highlights any changes made to the data in the current issue.
- 7. Page 3: table 1 shows index numbers for the Manufacturing division index, and the Imported materials and Home produced materials indexes.
- 8. Page 4: table 2 shows percentage changes for the Manufacturing division index, and the Imported materials and Home produced materials indexes.
- 9. Page 5: table 3 shows the points contribution of categories of materials to the Manufacturing division index.
- 10. Page 6: table 4 shows index numbers for selected categories of imported materials.
- 11. Page 7: table 5 shows index numbers for selected categories of home produced materials.
- 12. Pages 8 and 9: table 6 shows index numbers for ASIC subdivisions and combinations of groups.
- 13. Page 10: table 7 shows index numbers for selected metallic materials used in the fabricated metal products industry.
- 14. Pages 11 to 14: Explanatory Notes.

- INQUIRIES for further information on the changes to this publication, please contact Geoff Brown on Canberra (06) 252 5348.
 - for information about other ABS statistics and services, please refer to the back page of this publication.

CHANGES TO TABLE TITLES

Old title	Page	New title	Page
Table 1. Price Indexes of Materials Used in			
Manufacturing Industries			
Manufacturing division indexes (index numbers)	2	1 Manufacturing division index	3
Table 1. Price Indexes of Materials Used in			
Manufacturing Industries			
Manufacturing division indexes (percentage change	s) 3	2 Manufacturing division index, percent	age change 4
Table 2. Price Indexes of Materials Used in			
Manufacturing Industries			
Contribution of selected categories of materials to		3 Manufacturing division index, contribu	ition of
Manufacturing division index	4	categories of materials	5
Table 3. Price Indexes of Materials Used in			
Manufacturing Industries		4 Manufacturing division index, selected	categories
Indexes for selected categories of imported materials	5	of imported materials	6
Table 4. Price Indexes of Materials Used in			
Manufacturing Industries			
Indexes for selected categories of home produced		5 Manufacturing division index, selected	categories
materials	6	of home produced materials	7
Table 5. Price Indexes of Materials Used in			
Manufacturing Industries			
"	7	6 Manufacturing subdivision indexes	0 10
Manufacturing subdivision indexes	′	6 Manufacturing subdivision indexes	8 and 9
Table 6. Selected metallic materials used in the			
fabricated metal products industry (ASIC		7 Manufacturing subdivision index, select	ted
subdivision 31)	8	metallic materials	10

Períod	Petroleum and coal products (277-278)	Non-metallic mineral products (28)	Basic metal products (29)	Fabricated metal products (31)	Transport equipment (32)	Other machinery and equipment (33)	Miscellaneous manufacturing (34)
1990-91	94.9	140.9	142.1	148.2	146.0	143.8	132.4
1991-92	81.6	147.2	136.5	146.9	145.3	140.2	132,4 125.4
1992-93	88.2	149.0	135.5	146.3	154.1	143.1	131.5
19 9 3							
March	86.6	149.0	132.0	145.2	155.7	142.8	132.9
April	85.8	148.4	130.9	144.5	155.9	142.0	132.5
May	85.4	148.2	131.0	144.9	158.1	142.9	133.4
June	84.9	147.8	130.1	145.6	161.9	144.2	134.3
July	82.4	141.9	130.4	145.7	163.5	144.3	131.8
August	81.4	141.3	126.8	146.4	165.0	145.1	132.9
September	83.3	140.6	125.4	146.4	166.7	145.8	134.1
October	82.7	140.8	125.0	145.7	167.5	144.6	133.5
November	77.6	140.4	123.4	145.7	166.5	144.2	133.3
December	70.5	140.4	122.7	145.8	165.8	144.3	133.6
1994							
January	67.7	139.8	124.1	146.3	164.0	144.0	132.6
February	68.0	139.7	124.5	146.0	161.2	143.5	132.2
March	66.7	139.4	124,4	146.1	161.9	143.9	133.4
April	65.7	139.5	124.5	145.4	161.7	143.6	133.3
May	69.2	140.3	125.6	146 .1	162.7	143.8	133.2

¹ Base of each index: 1984-85 = 100.0

MANUFACTURING SUBDIVISION INDEX, Selected Metallic Materials¹

USED IN THE FABRICATED METAL PRODUCTS INDUSTRY.....

Period	Iron and Ste e l	Aluminium	Copper and brass	Zinc
******		**************************************		
1990-91	145.7	152.0	176.0	161.0
1991- 9 2	146.4	141.0	1/1.0	143.6
1992- 9 3	145.4	135.8	180.0	155.0
1993				
March	144.1	135.5	179.4	152.7
April	144.0	133.9	172.3	143,7
May	145.8	130.1	165.6	142.8
June	146.4	129.7	169.0	142.3
July	146.4	130.8	171.0	141.1
August	146.5	134.8	173.4	138.8
September	146.5	135.1	174.5	135.8
October	146.5	133.4	163.1	138.1
November	147.0	132.3	160.2	140.0
December	147.4	130.1	159.8	140.5
1994				
January	147.8	130.5	163.0	143.2
February	147.7	129.6	164.9	142.1
March	147.6	131.0	167.0	138.0
April	147.6	125.3	166. 5	136.0
May	147.4	128.7	174.4	134.5

 $^{^{1}}$ Base of each index: 1984-85 = 100.0

EXPLANATORY NOTES

INTRODUCTION

- **1** This publication presents index numbers that are based on materials (including fuels) used by establishments classified to designated 'sectors' of Australian manufacturing industry Price Indexes of Materials Used in Manufacturing Industries. They are calculated on the reference base 1984–85 = 100.0.
- 2 Index numbers for the current month and the previous month are preliminary and subject to revision.

SCOPE

3 The indexes are on a 'net sector' basis; that is, each relates only to those materials which are used in the defined 'sector' of Australian manufacturing industry and which have been produced by establishments outside that 'sector'. These establishments are either Australian manufacturing establishments classified to other manufacturing 'sectors' or to other divisions of Australian industry (eg 'Agriculture, forestry, fishing and hunting' or 'Mining') or are overseas producers (including overseas manufacturing establishments).

CLASSIFICATION

- 4 The Manufacturing Division index measures changes in prices of materials (including fuels) used by establishments classified to Australian Standard Industrial Classification (ASIC) Division C, Manufacturing, which have been purchased or transferred in from establishments outside the Manufacturing Division. It excludes semi-processed materials which have been produced by establishments within the Manufacturing Division and sold or transferred to other establishments within the Manufacturing Division. The index reflects purchases of materials at the point of entry to the Manufacturing Division.
- **5** The indexes for ASIC Subdivisions 21, 23, 25, 26, 28, 29, 31, 32, 33 and 34 and the indexes for ASIC Groups 244-245, 246, 275-276 and 277-278 measure changes in prices of materials (including fuels) used by establishments classified to each defined ASIC manufacturing 'sector' which have been purchased or transferred in from establishments outside that 'sector'. Each excludes semi-processed materials which have been produced by establishments within that specific 'sector' and sold or transferred to establishments in the same 'sector'. The pricing and weights for these net 'sector' indexes therefore reflect purchases and transfers in at the point of entry to the respective ASIC Subdivision, or ASIC Group or Group combination.

ITEMS AND WEIGHTS

- **6** The index is a fixed weights index. The items included in the index were selected on the basis of values of materials used in 1977–78. The selected items were allocated weights in accordance with the estimated value of manufacturing usage in 1977–78 except for the following:
 - Fuels (e.g. crude petroleum, natural gas and electricity), which were allocated weights on the basis of estimated usage in 1982–83;
 - Cereal grains, which were allocated weights based on estimated manufacturing usage in 1977–78 and 1978–79; and
 - Live animals, which were allocated weights based on the average value of slaughterings in 1981–82, 1982–83 and 1983–84.
- **7** Many of the selected items carry not only the weight of directly priced materials but also the weight of unpriced materials whose prices are considered to move similarly to those of directly priced materials.

ITEMS AND WEIGHTS (continued)

8 For the Manufacturing Division index, individual materials have been grouped into two broad categories: Imported materials and Home produced materials. Within each of these categories materials have been grouped on the basis of ASIC industry of origin (i.e. the industry in which, in accordance with the classification rules of ASIC, the materials are primarily produced in Australia or the industry in which the materials would be classified had the material been produced in Australia). Percentage contributions, in 1984–85, of individual materials to the relevant commodity groups and to the Manufacturing Division as a whole were shown in Table A1 in the Appendix to the December 1985 issue of this publication.

9 Percentage contributions, in 1984–85, of each material to each 'sector' index were shown in Table A2 in the Appendix to the December 1985 issue of this publication.

PRICE MEASUREMENT

- **10** For those materials subject to significant price variation throughout the month (e.g. agricultural materials, and metal ores and concentrates) average monthly prices are used in compiling these indexes. Other materials are priced at the mid point in the month. Prices of home produced materials are generally obtained from manufacturers who use the material but in some cases prices are obtained from suppliers (producers or wholesalers). Prices of imported materials are generally obtained from importers.
- **11** In concept, pricing for these indexes is at the point at which the material physically enters the defined manufacturing 'sector'. Therefore, as far as possible prices are on a 'delivered into store' basis.

Transferred Goods

Transfers which do not take place on the open market present problems for the measurement of price change. An example is where a vertically integrated enterprise extracts a mineral (mining activity) and also processes it (manufacturing activity). Since the material is transferred from one part of the enterprise to another there is usually no transaction price. In such instances various methods of imputing changes in market prices have been adopted. Depending on circumstances and the availability of data, these methods include using changes in opportunity cost (based, for example, on the price of the material in an established market) or changes in the cost (based on expenses actually incurred in obtaining the material). Imputations of this kind enter partly into price series for materials such as nickel concentrates, silver-lead concentrates and zinc concentrates.

Seasonal Materials

In the case of some seasonal materials such as fruit and vegetables, where deliveries do not occur over the whole year, the previous season's prices are repeated for the months outside the selling season until the subsequent season's prices become operative.

Estimated Prices

For items such as sugar cane, where prices are only determined annually, the final prices are sometimes not known until the relevant season or contract period has been at least partly completed. Estimates of the current season or contract period price are used in index calculations until the final price becomes available. Incorporation of such final prices may involve lengthy revisions to index numbers.

PRICE MEASUREMENT (continued)

Electricity

The index numbers for electricity published in Table 4 are based on prices paid for electricity used by a representative sample of manufacturing establishments. Both 'tariff' prices and special contract prices are included in the calculations.

INDEX NUMBERS

12 Index numbers for financial years are simple averages of monthly index numbers.

REVISIONS

13 Index numbers for the current month and the previous month are preliminary and subject to revision. From time to time index numbers for earlier months may also be revised. This will occur whenever the ABS discovers that prices previously reported by respondents are incorrect and corrected prices are obtained.

ANALYSIS OF INDEX CHANGES

- **14** Care should be exercised when interpreting month-to-month movements in the indexes as short-term movements do not necessarily indicate changes in trend.
- **15** Movements in indexes from one period to another can be expressed either as changes in 'index points' or as percentage changes. The following example illustrates the method of calculating index points changes and percentage changes between any two periods:

Manufacturing Division index numbers -

May 1994	123.2	(see Table 1)
less May 1993	125.3	(see Table 1)
Change in index points	-2.1	
Percentage change	$\frac{-2.1}{125.3} \times 100 = -1.7$	

16 Table 3 provides an analysis of the contributions which selected categories of materials make to the total Manufacturing Division index. For example, Live animals contributed +18.67 index points to the total Manufacturing Division index number of 123.2 for May 1994 and -0.43 index points to the net change of +1.5 index points. A further explanation is provided in the Appendix to the February 1988 issue of this publication.

FURTHER INFORMATION

17 The December 1985 issue of this publication contains a more detailed description of the indexes and their relationship with previous indexes. A copy of the description can be obtained by calling Geoff Brown on 06-252-5348.

RELATED PUBLICATIONS

- **18** Users may also wish to refer to the following publications which are available from ABS Bookshops:
- Price Indexes of Materials Used in Coal Mining, Australia (6415.0)
- Price Indexes of Copper Materials, Australia (6/10,0)
- Price Indexes of Articles Produced by Manufacturing Industry, Australia (6412.0)
- Price Indexes of Materials Used in Building Other Than House Building, Six State Capital Cities and Canberra (6407.0)
- Price Indexes of Materials Used in House Building, Six State Capital Cities and Canberra (6408.0)
- Import Price Index, Australia (6414.0)
- Export Price Index, Australia (6405.0)

RELATED PUBLICATIONS (continued) 19 Current publications produced by the ABS are listed in the Catalogue of Publications and Products, Australia (1101.0). The ABS also issues, on Tuesdays and Fridays, a Publications Advice (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

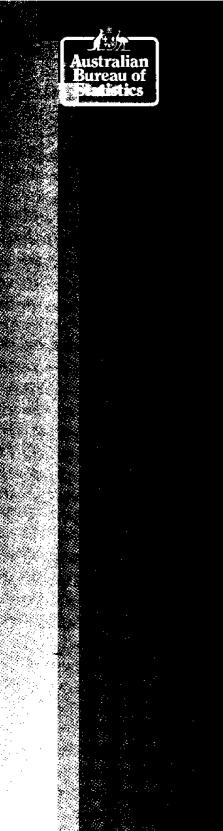
UNPUBLISHED STATISTICS

20 As well as the statistics included in this and related publications, the ABS may have other relevant unpublished data available. Inquiries should be made to Geoff Brown on 06 252 5348 or to any ABS office.

SYMBOLS AND OTHER USAGES

ASIC Australian Standard Industrial Classification figure or series revised since previous issue







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