

June 1996

EMBARGOED UNTIL 11:30 AM WED 31 JULY 1996

Manufacturing Production

Australia

NOTES

FORTHCOMING ISSUES

ISSUE	RELEASE DATE
July 1996	2 September 1996
August 1996	2 October 1996
September 1996	31 October 1996

IN THIS ISSUE

This publication presents monthly and quarterly estimates of selected major indicators of manufacturing production for Australia.

From page 5, there are two graphs shown for each available manufactured commodity. The left hand graph shows seasonally adjusted (where available) and trend estimates over the last four years. The right hand graph presents a short-term sensitivity analysis of the trend estimates. The sensitivity analysis shows the current trend and two possible scenarios of how the trend might move if the next seasonally adjusted estimate rises or falls by the historical average monthly or quarterly movement for that series. A worked example is shown on page 24.

Data and the graphs for the series 'M17 Wool woven fabric' have been removed from this issue, because the data are subject to significant revisions. The series will be re-inserted when those revisions are available. The seasonally adjusted estimates of production for 'M3 cheese' have been revised and new seasonal factors calculated (please refer to paragraphs 10 and 11 of the Explanatory Notes, on page 26).

EFFECTS OF ROUNDING

Estimates of change shown in this publication have been calculated using unrounded estimates and may be different from, but are more accurate than, movements obtained from the rounded estimates.

SYMBOLS AND OTHER

USAGES

M	manufactured commodity collected by month
n.a.	not available
n.y.a.	not yet available
Q	manufactured commodity collected by quarter
r	figure or series revised since previous issue

INQUIRIES

For information about other ABS statistics and services, please refer to the back of this publication.

For further information about these statistics, contact John Ridley on (02) 268 4541.

W. McLennan
Australian Statistician

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KEY POINTS

GENERAL TRENDS

Latest trends indicate that of the 57 indicators available, 22 showed rising production trends, 23 showed falling trends while 12 were relatively stable.

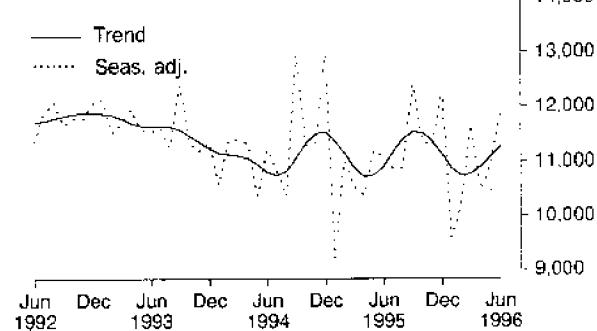
SERIES TRENDS

Two of the more notable trends were Biscuits and Clay Bricks. Production of Biscuits has risen over the last four months, after falling every month since October 1995, and will require a fall in the seasonally adjusted series of over 20% to reverse the trend.

Clay brick production has been rising since March 1996 following a steady decline from January 1995, and will require a fall in the seasonally adjusted series of over 3% to reverse this rising trend.

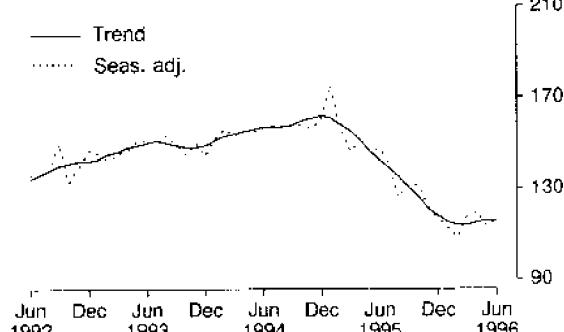
M7 BISCUITS

(Seas. adj. series average movement 5%)



M36 CLAY BRICKS

(Seas. adj. series average movement 3%)

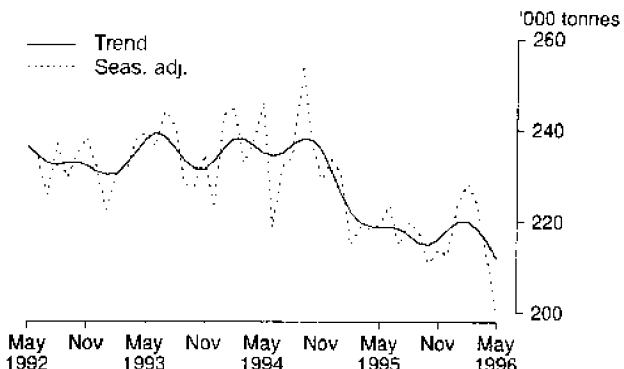


M

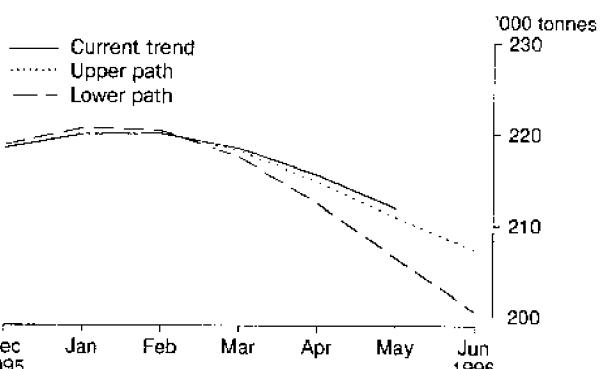
MONTHLY PRODUCTION

Longer term trend (a)

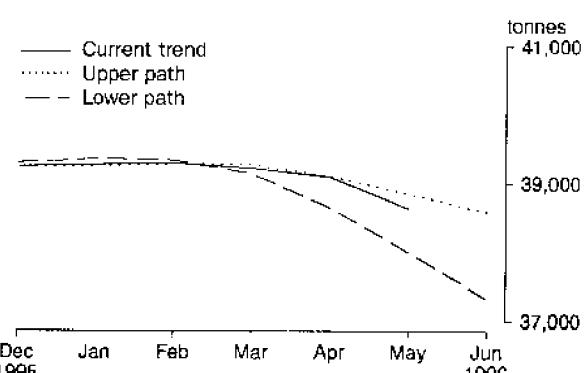
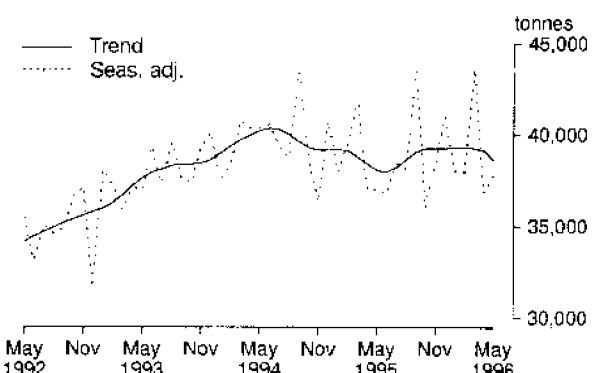
M1 RED MEAT (seas. adj. series average movement 4%)



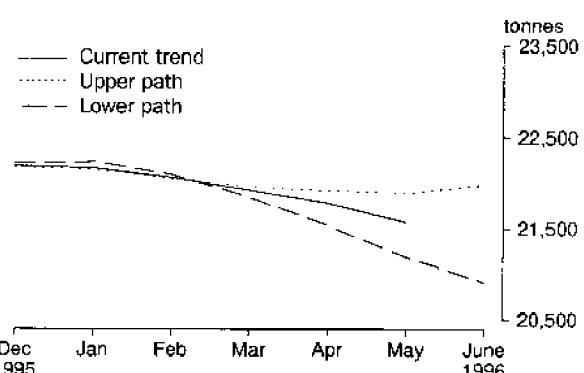
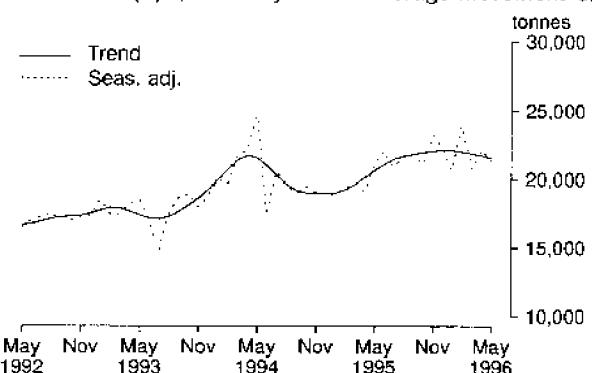
Short-term sensitivity analysis



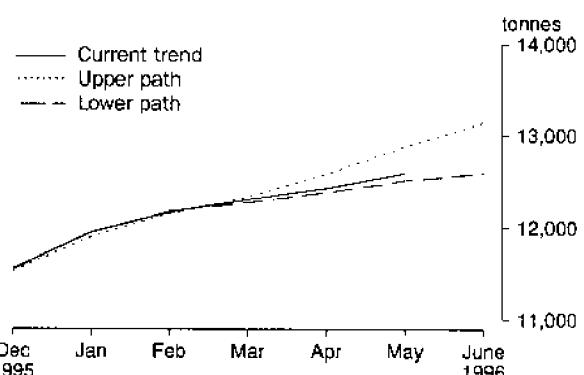
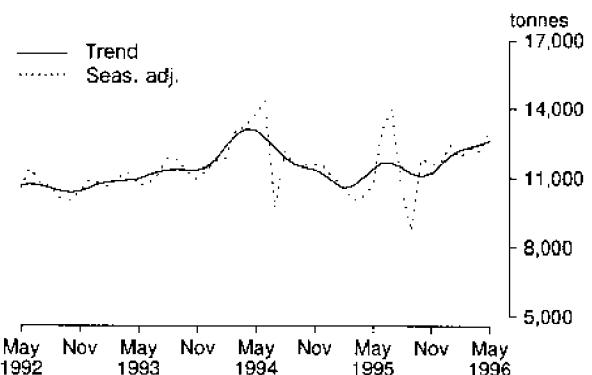
M2 CHICKEN MEAT (seas. adj. series average movement 4%)



M3 CHEESE(b) (seas. adj. series average movement 6%)

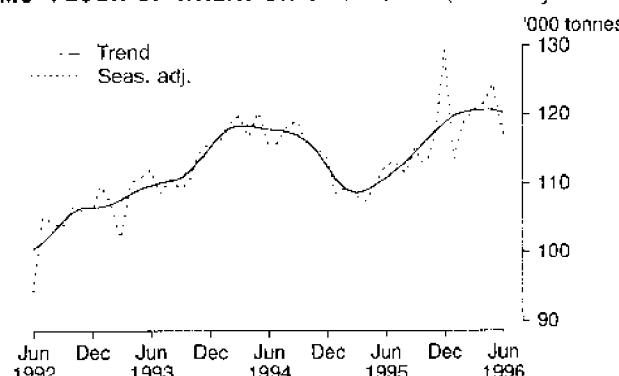


M4 BUTTER(b) (seas. adj. series average movement 7%)

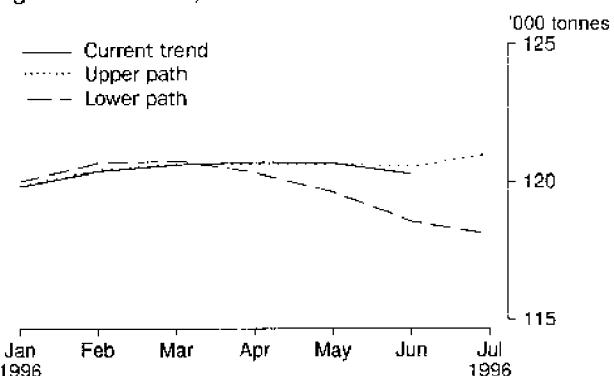
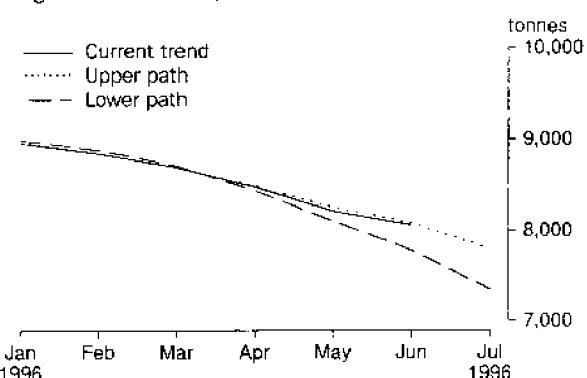
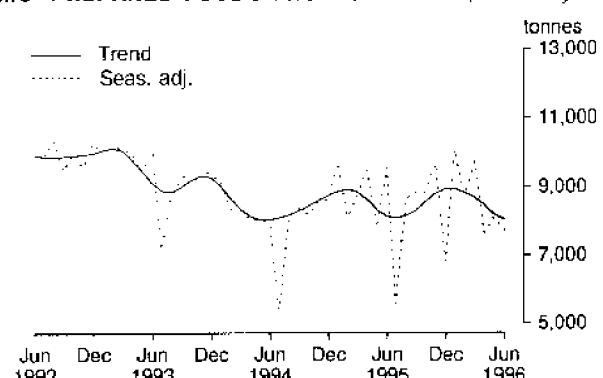
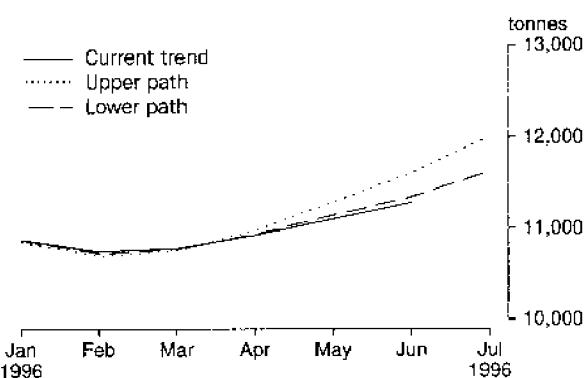
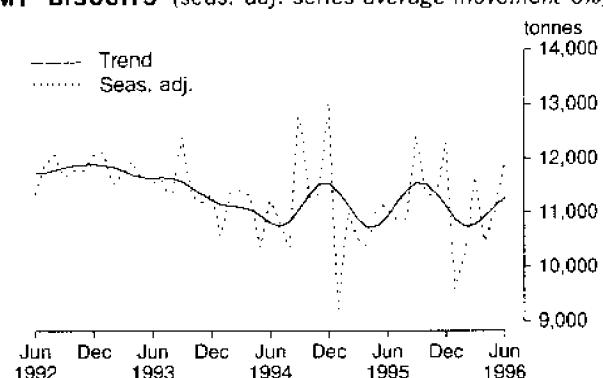
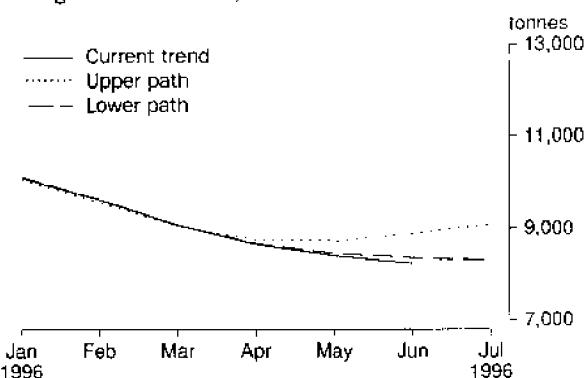
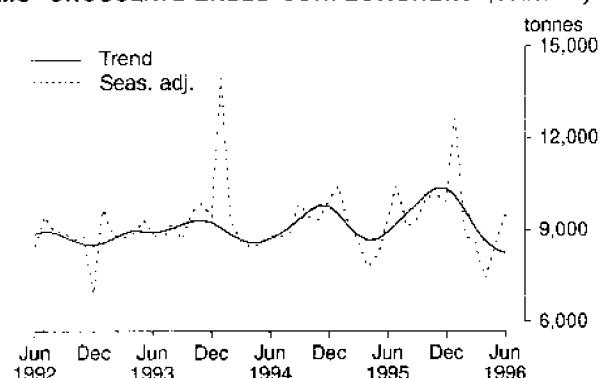


For footnotes see page 23.

Longer term trend (a)

M5 FLOUR OF WHEAT OR OF MESLIN (seas. adj. series average movement 3%)

Short-term sensitivity analysis

**M6 PREPARED FOODS FROM CEREALS** (seas. adj. series average movement 7%)**M7 BISCUITS** (seas. adj. series average movement 5%)**M8 CHOCOLATE BASED CONFECTIONERY** (seas. adj. series average movement 7%)

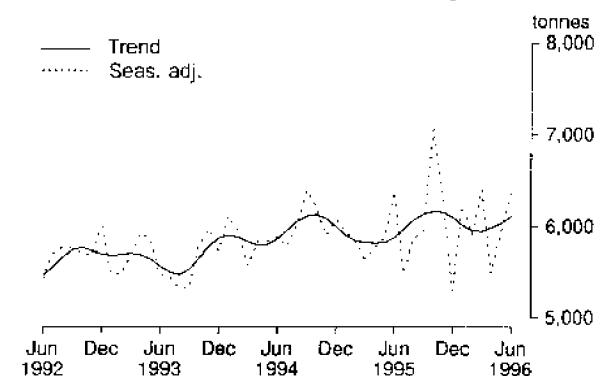
For footnotes see page 23.

M

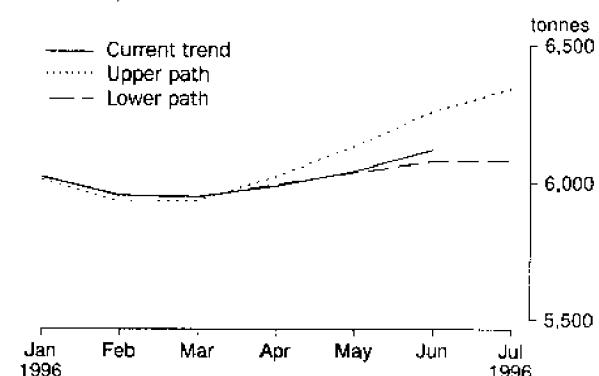
MONTHLY PRODUCTION *continued*

Longer term trend (a)

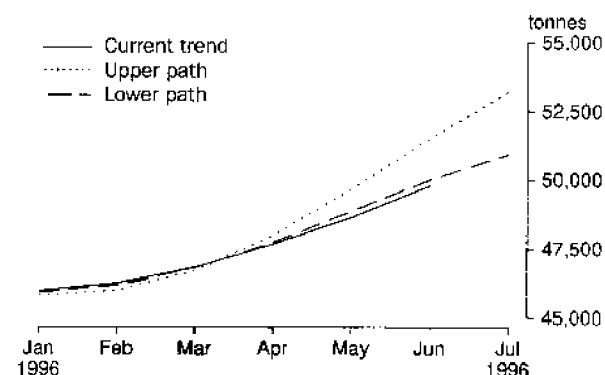
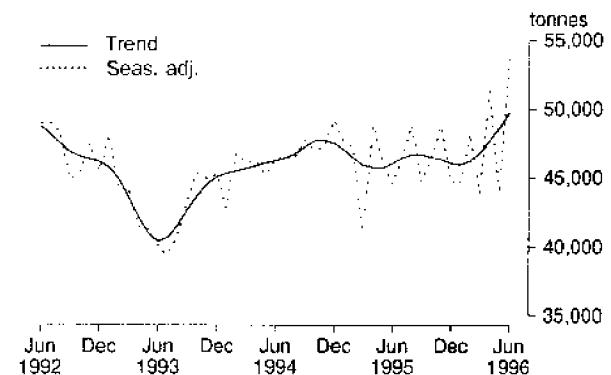
M9 OTHER CONFECTIONERY (seas. adj. series average movement 5%)



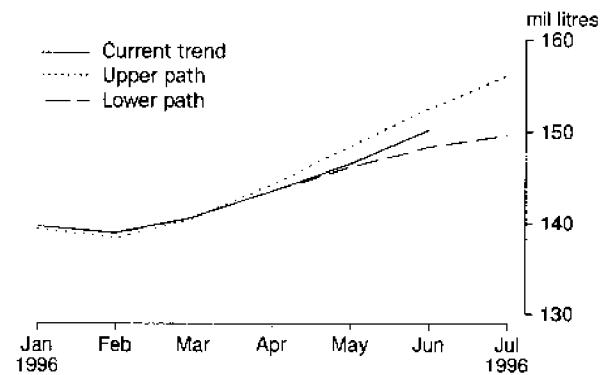
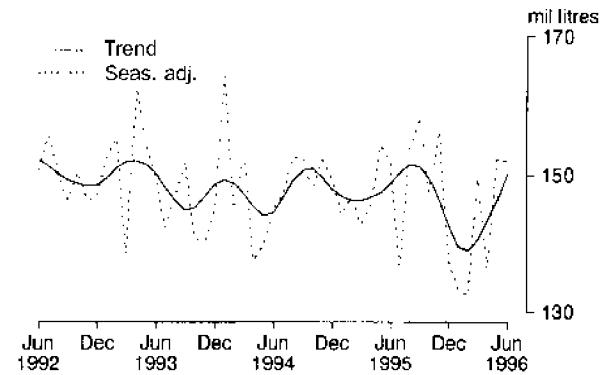
Short-term sensitivity analysis



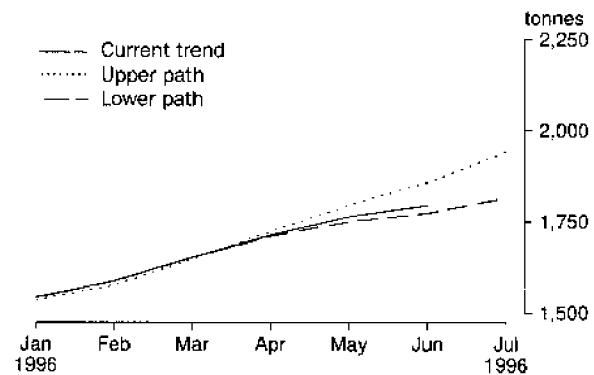
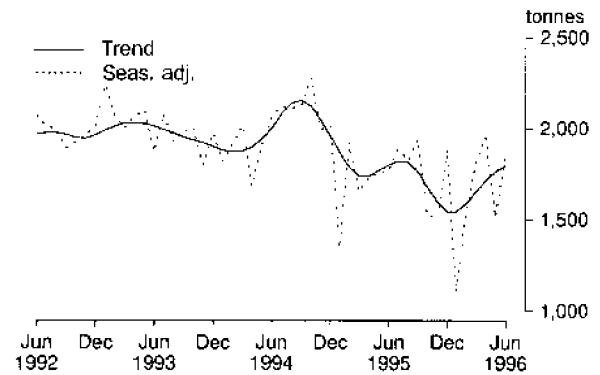
M10 MALT (seas. adj. series average movement 5%)



M11 BEER (seas. adj. series average movement 5%)

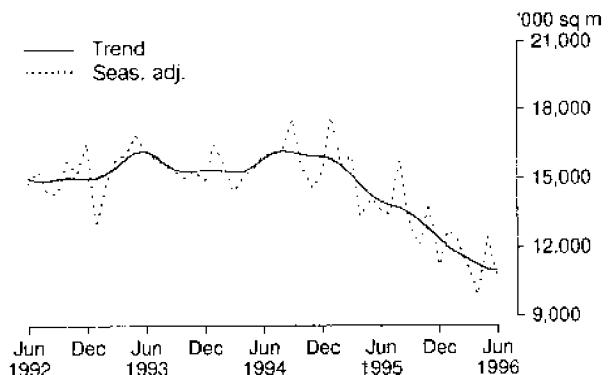


M12 TOBACCO AND CIGARETTES(c) (seas. adj. series average movement 7%)

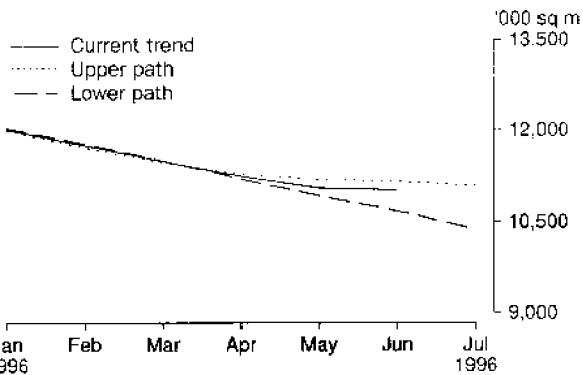
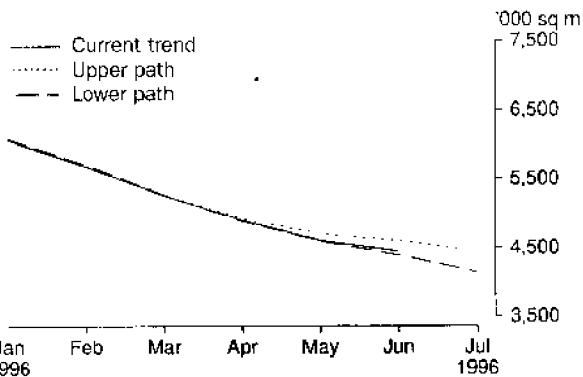
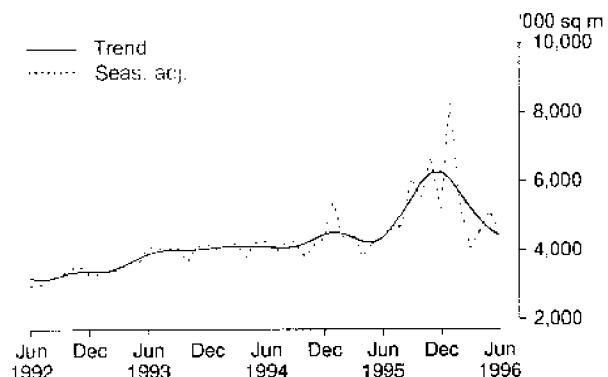
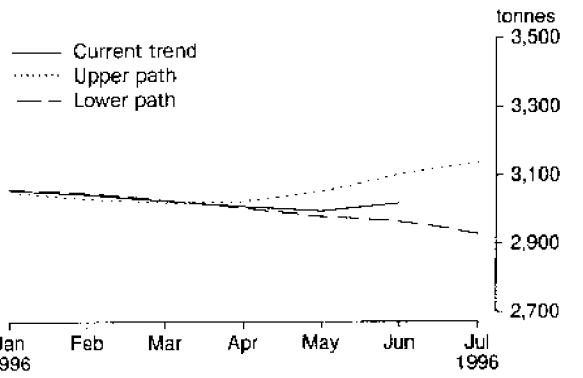
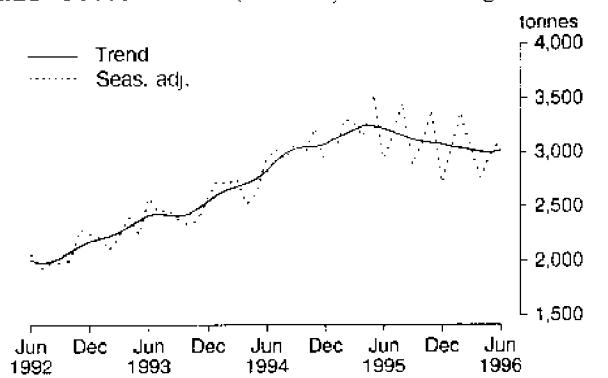
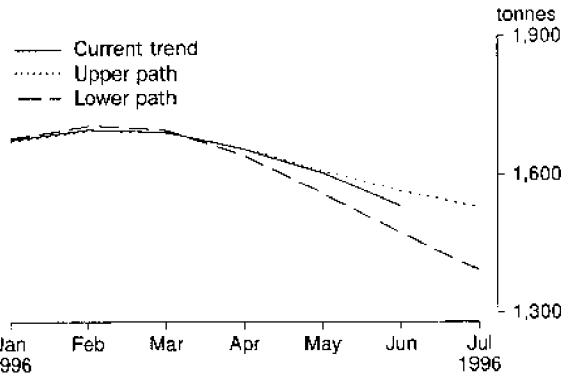
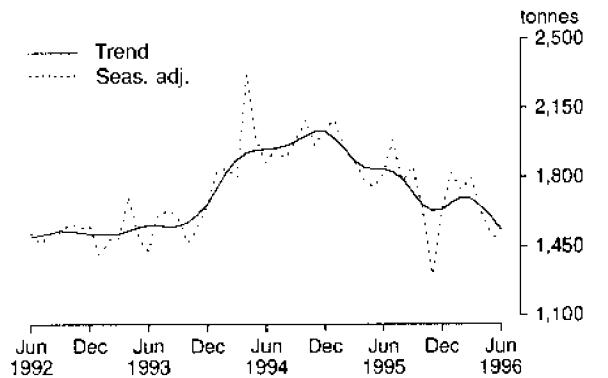


For footnotes see page 23.

Longer term trend (a)

M13 MAN-MADE FIBRE WOVEN FABRIC(d) (seas. adj. series average movement 8%)

Short-term sensitivity analysis

**M14 COTTON WOVEN FABRIC(d)** (seas. adj. series average movement 9%)**M15 COTTON YARN** (seas. adj. series average movement 8%)**M16 WOOL YARN** (seas. adj. series average movement 6%)

For footnotes see page 23.

M

MONTHLY PRODUCTION *continued*

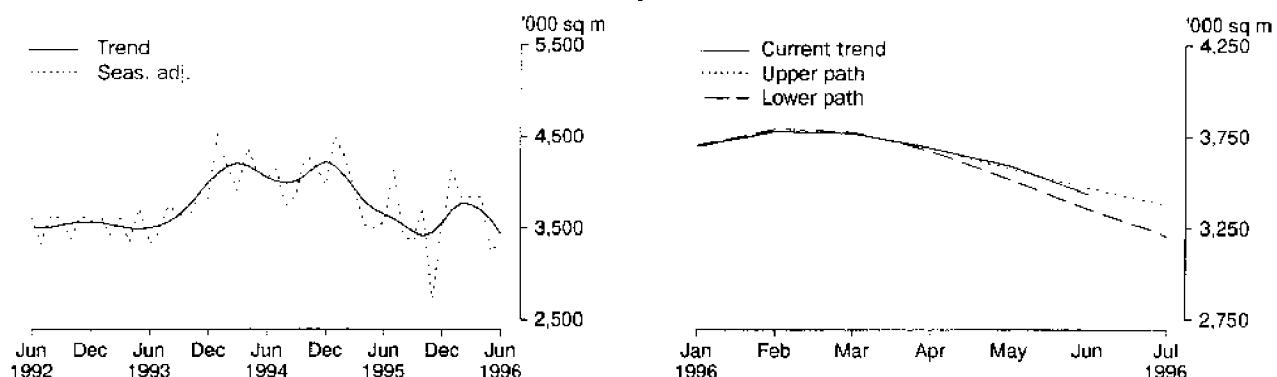
Longer term trend (a)

Short-term sensitivity analysis

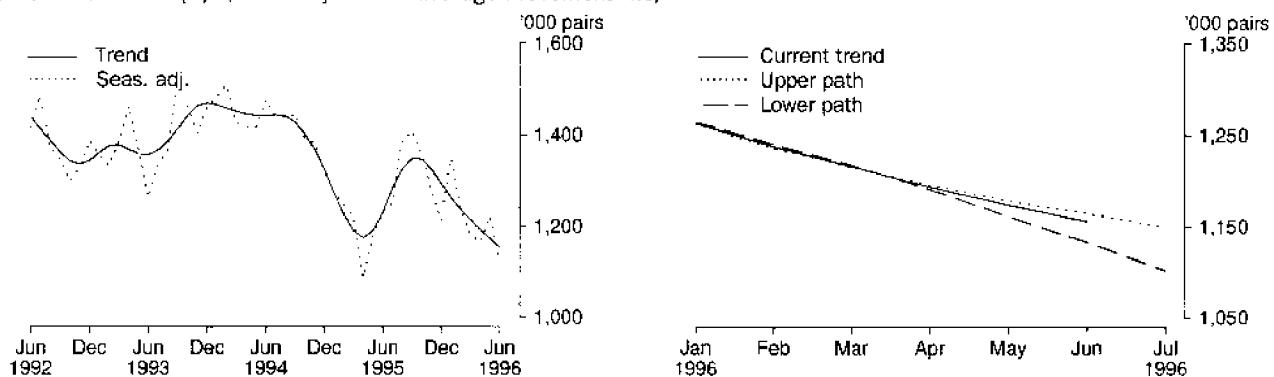
M17 WOOL WOVEN FABRIC (seas. adj. series average movement 8%)

Data in this series are subject to significant revisions and will be published when those revisions are available.

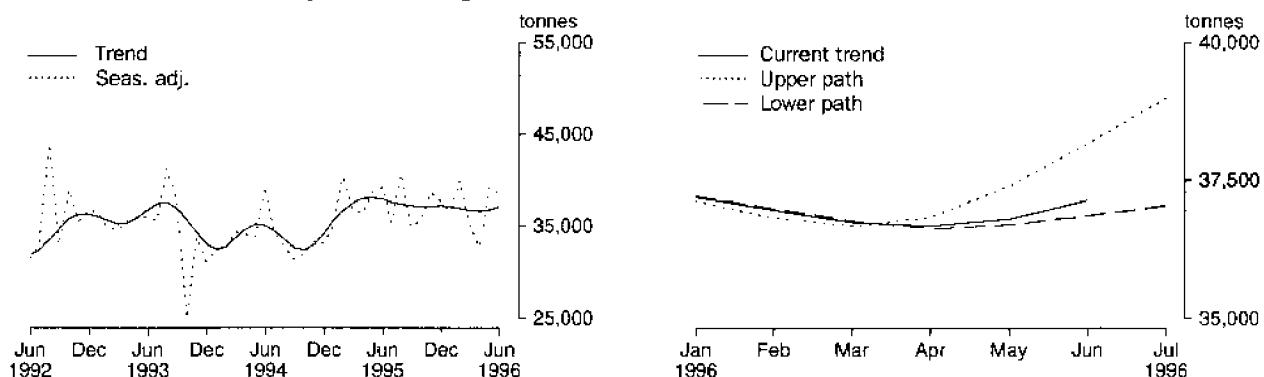
M18 TEXTILE FLOOR COVERINGS (seas. adj. series average movement 6%)



M19 FOOTWEAR(e) (seas. adj. series average movement 4%)

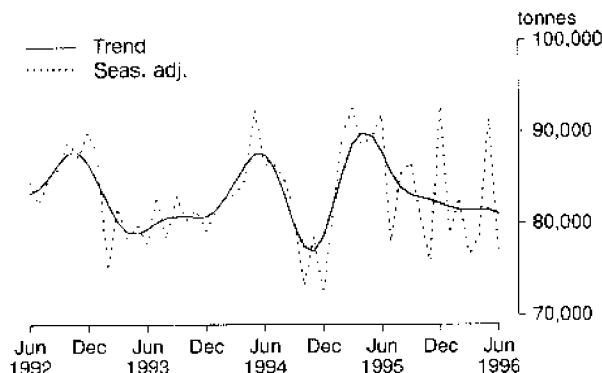


M21 NEWSPRINT (seas. adj. series average movement 6%)

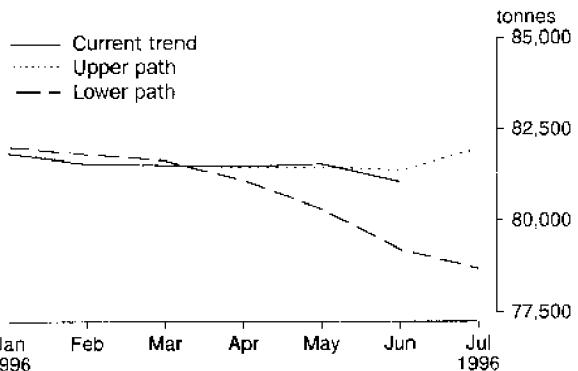
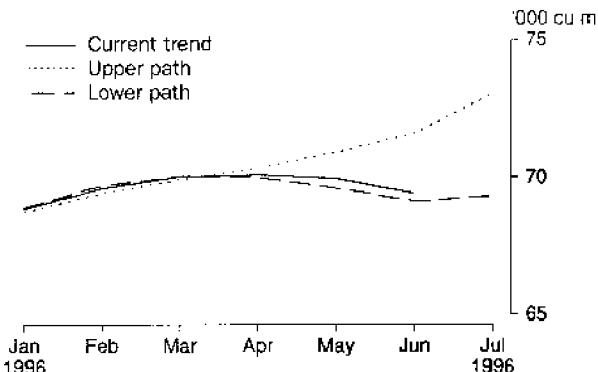
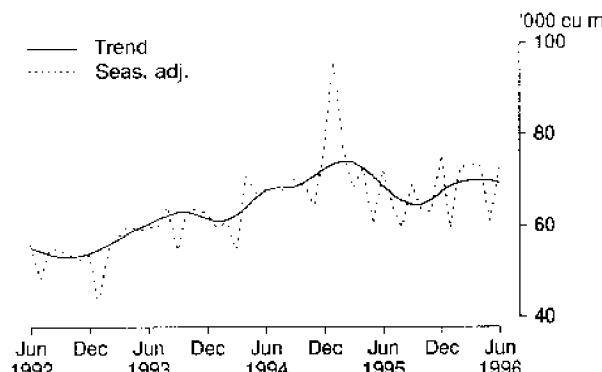
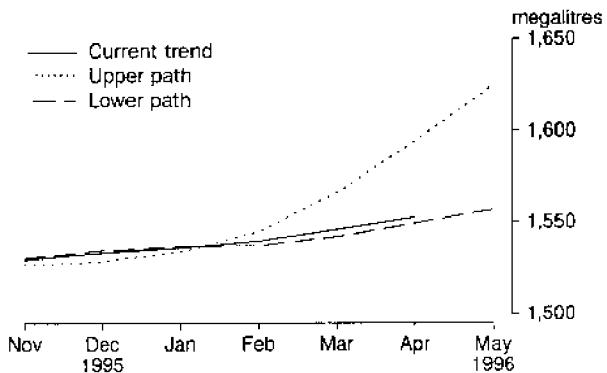
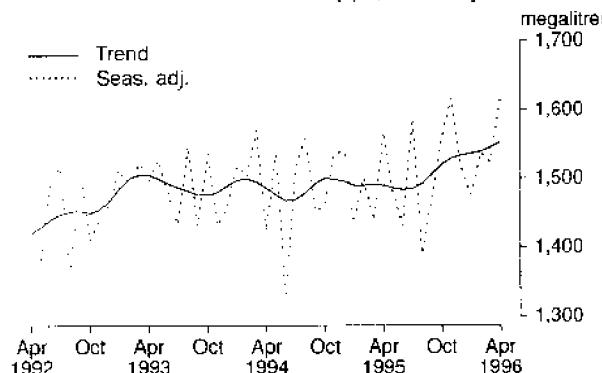
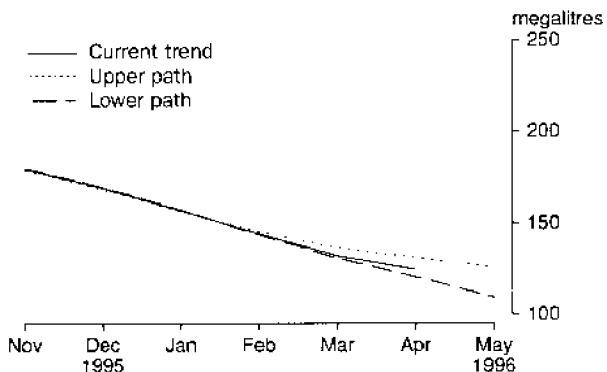
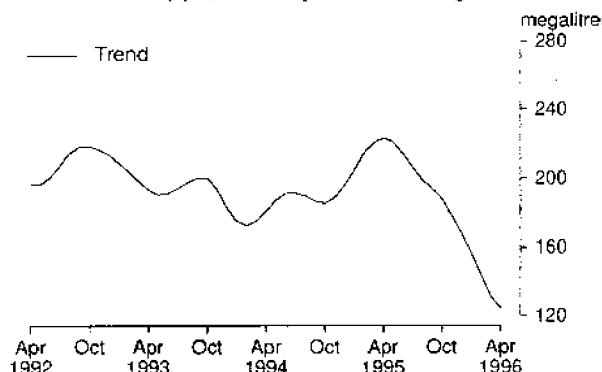


For footnotes see page 23.

Longer term trend (a)

M22 WOOD PULP (seas. adj. series average movement 4%)

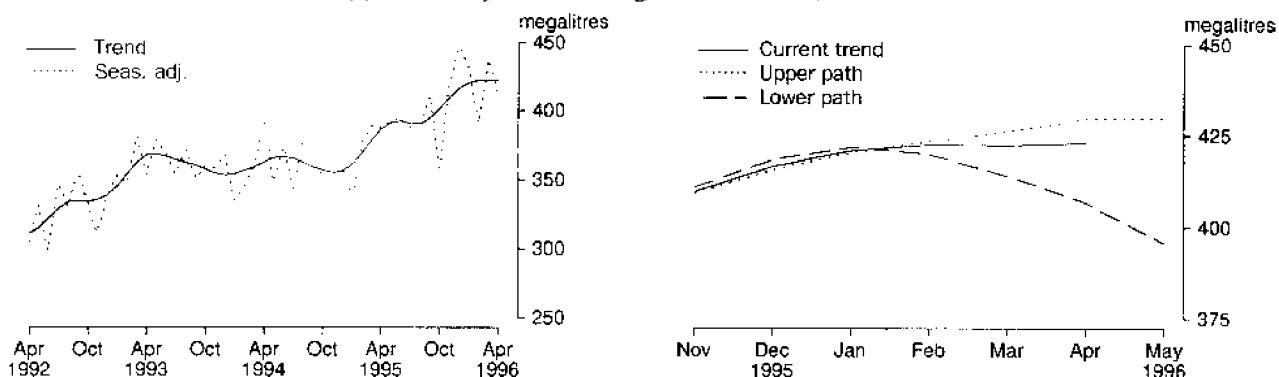
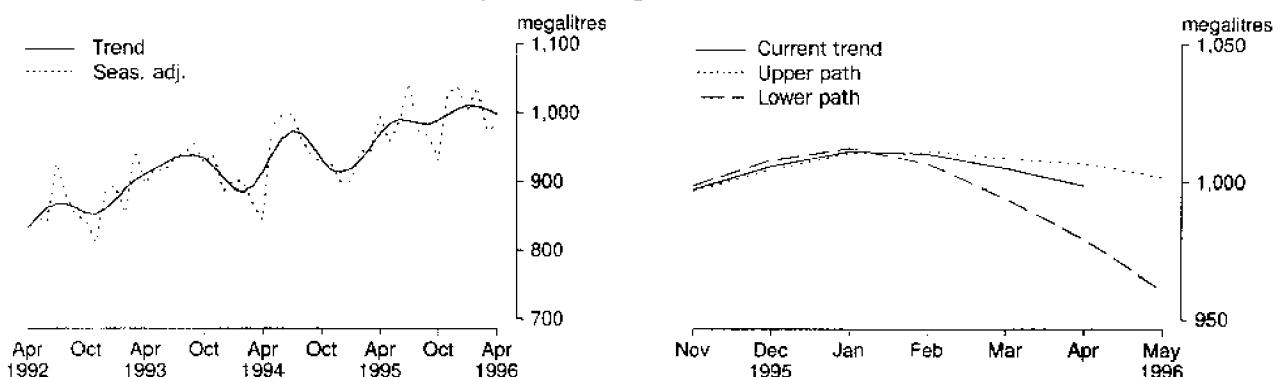
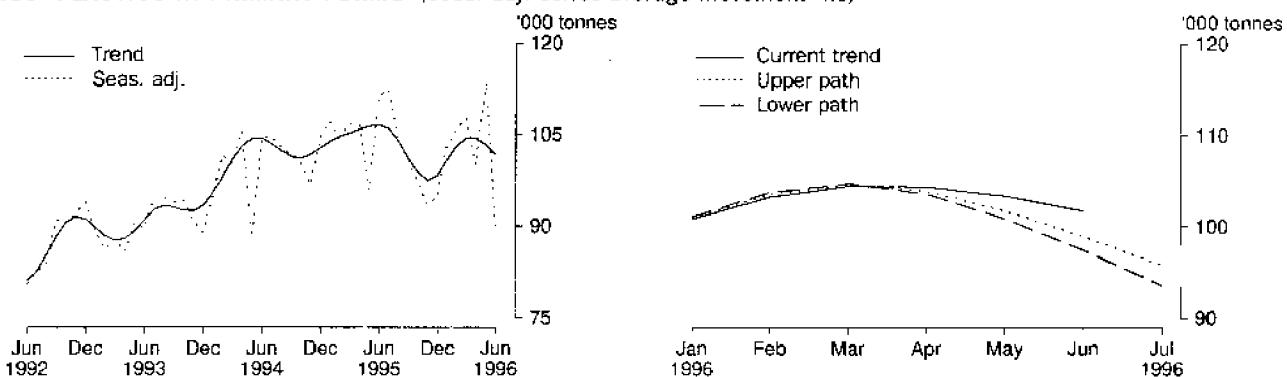
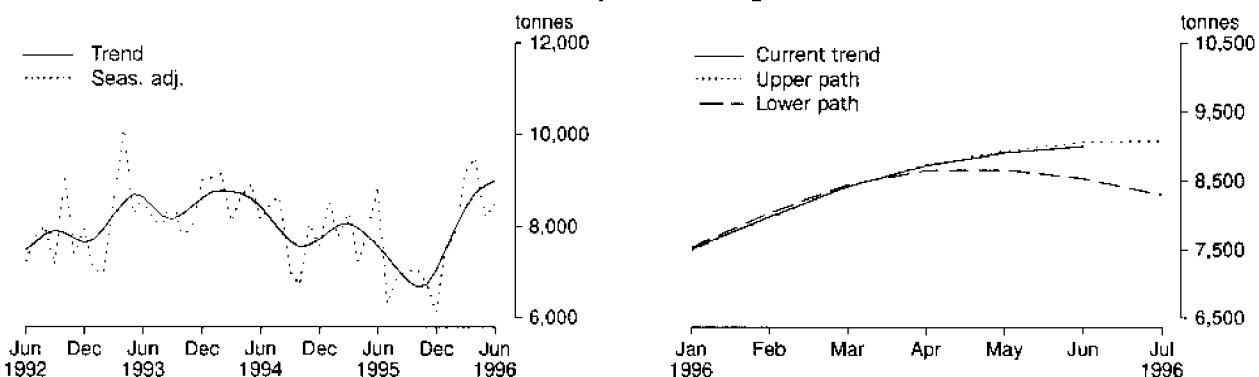
Short-term sensitivity analysis

**M23 UNLAMINATED PARTICLE BOARD** (seas. adj. series average movement 6%)**M26 AUTOMOTIVE GASOLINE(f)** (seas. adj. series average movement 5%)**M27 FUEL OIL(f)** (seas. adj. series average movement 14%)

For footnotes see page 23.

Longer term trend (a)

Short-term sensitivity analysis

M28 AVIATION TURBINE FUEL(f) (seas. adj. series average movement 9%)**M29 AUTOMOTIVE DIESEL OIL(f)** (seas. adj. series average movement 5%)**M30 PLASTICS IN PRIMARY FORMS** (seas. adj. series average movement 4%)**M31 RIGID PVC TUBES, PIPES AND HOSES** (seas. adj. series average movement 10%)

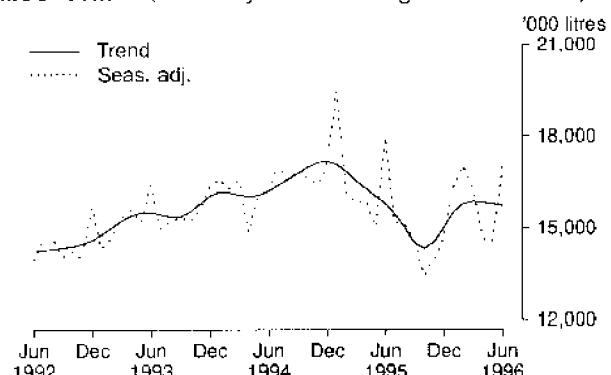
For footnotes see page 23.

M

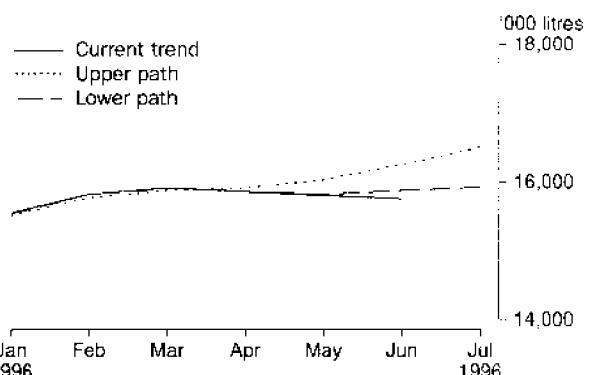
MONTHLY PRODUCTION *continued*

Longer term trend (a)

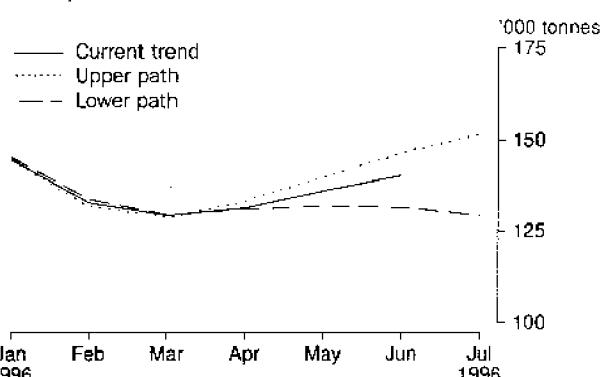
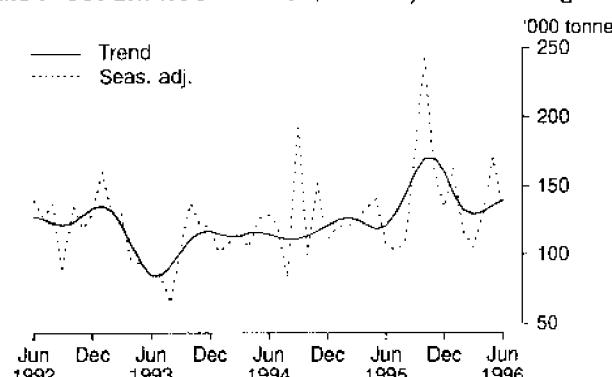
M33 PAINT (seas. adj. series average movement 4%)



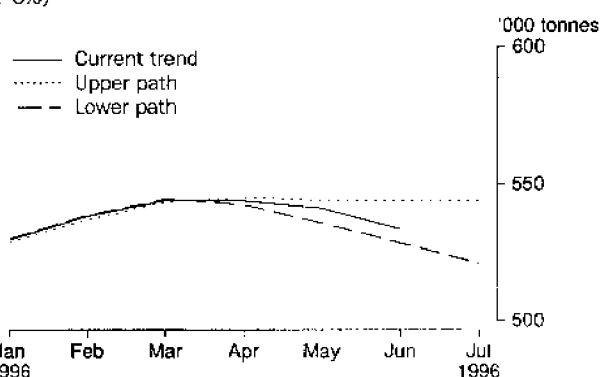
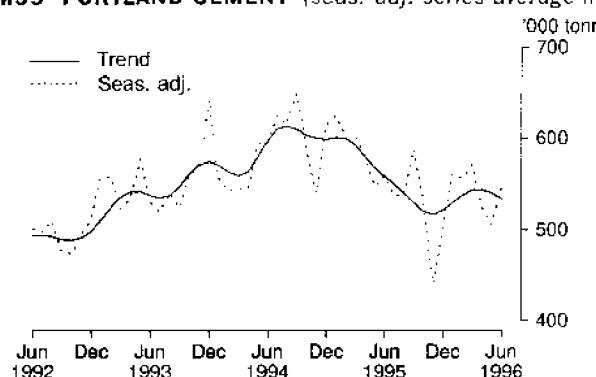
Short-term sensitivity analysis



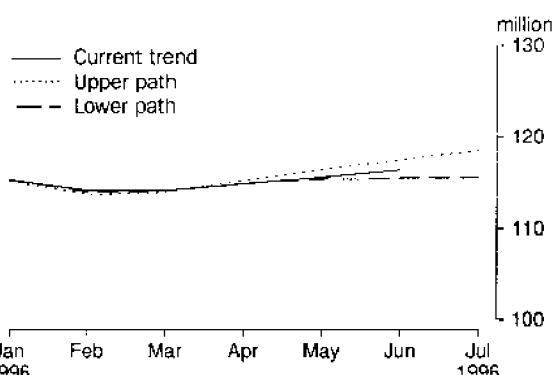
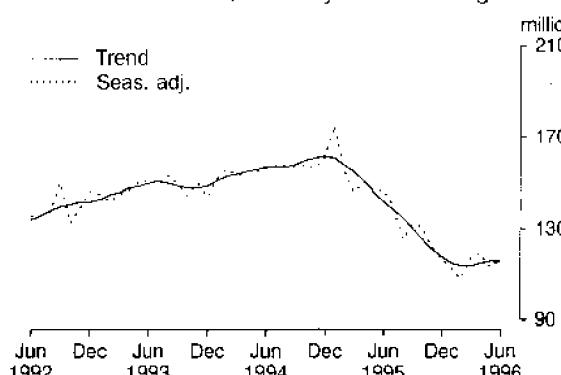
M34 SUPERPHOSPHATES (seas. adj. series average movement 15%)



M35 PORTLAND CEMENT (seas. adj. series average movement 5%)



M36 CLAY BRICKS (seas. adj. series average movement 3%)



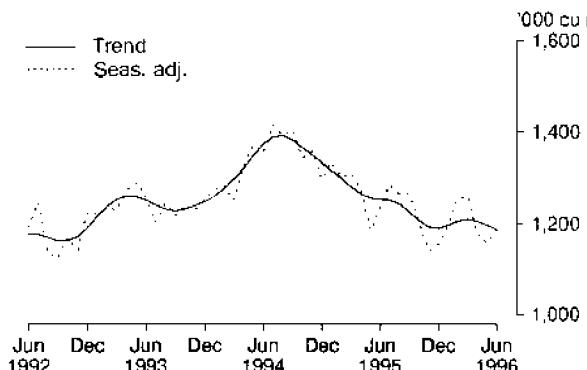
For footnotes see page 23.

M

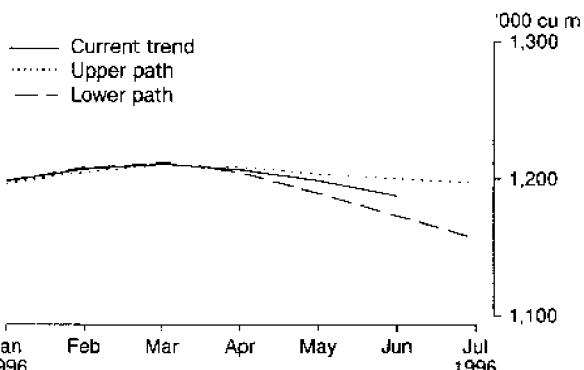
MONTHLY PRODUCTION *continued*

Longer term trend (a)

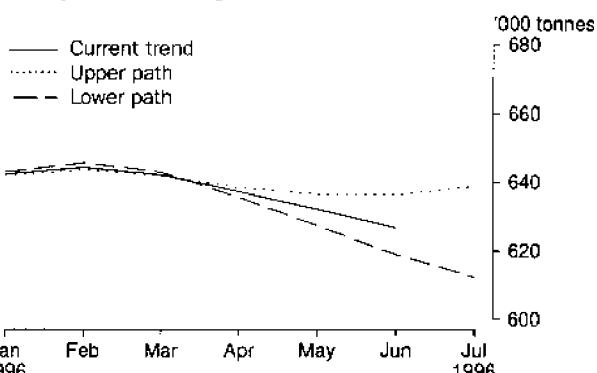
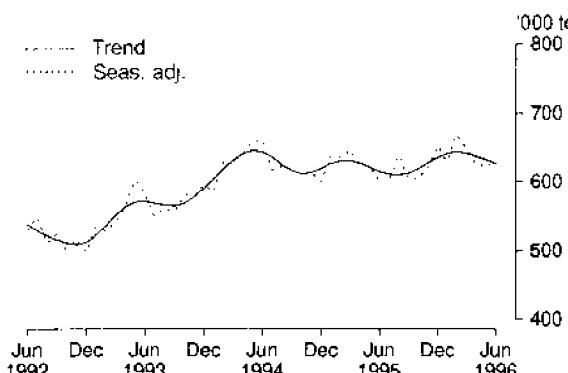
M37 READY MIXED CONCRETE (seas. adj. series average movement 4%)



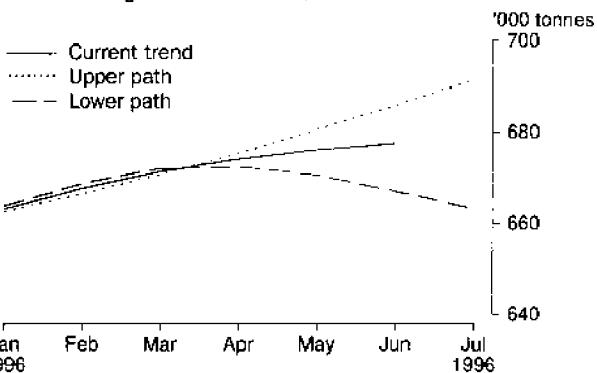
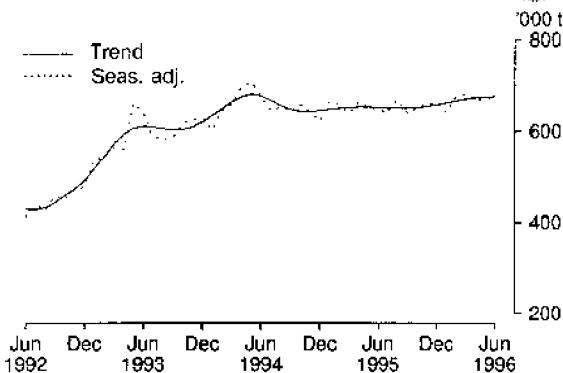
Short-term sensitivity analysis



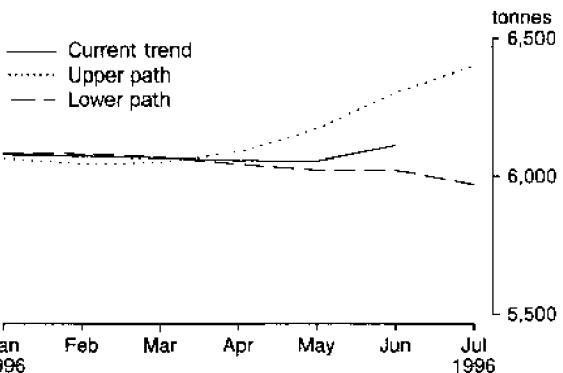
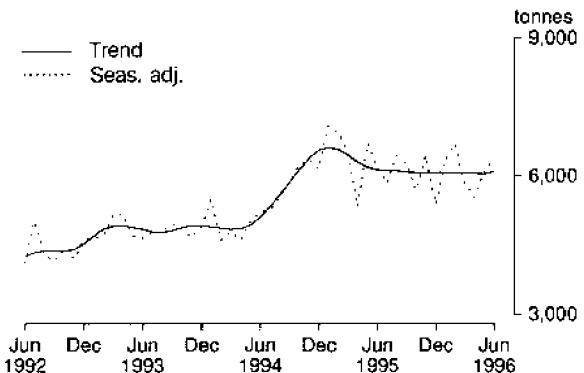
M38 BASIC IRON, SPIEGELEISEN AND SPONGE IRON(g) (seas. adj. series average movement 5%)



M39 BLOOMS AND SLABS OF IRON OR STEEL(g) (seas. adj. series average movement 5%)

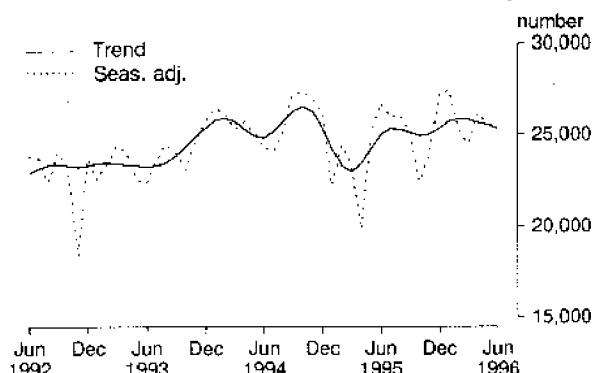


M40 INSULATED WIRE (seas. adj. series average movement 8%)

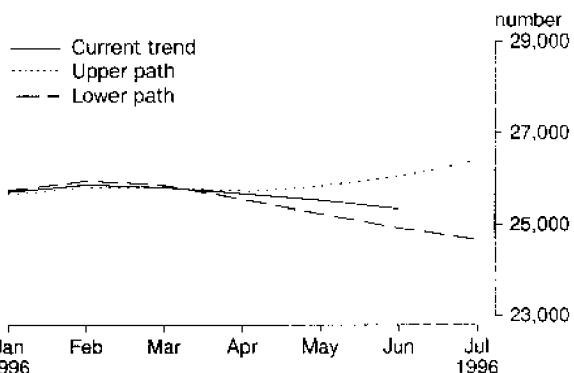
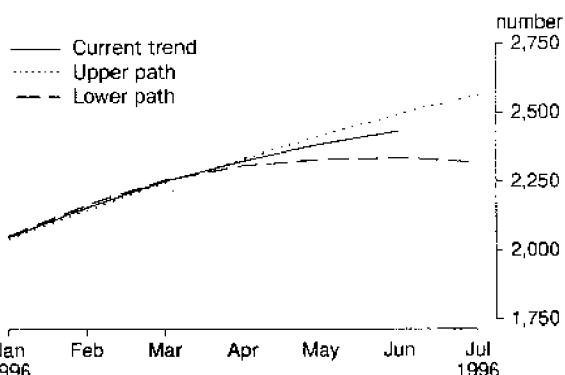
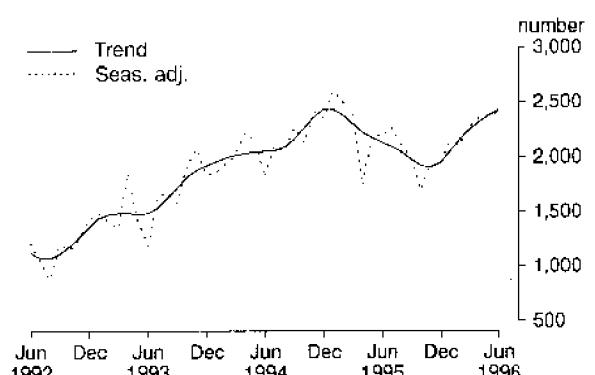
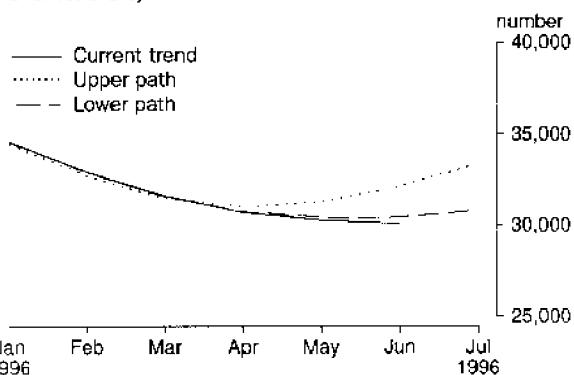
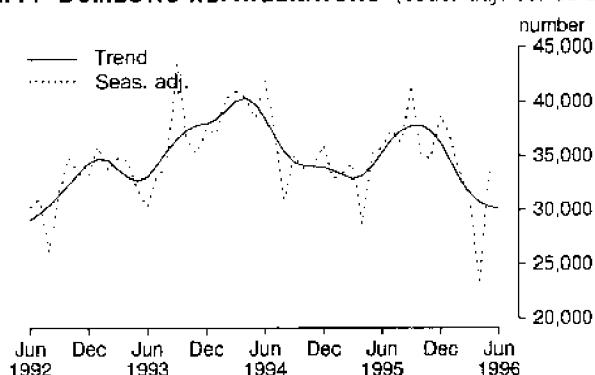
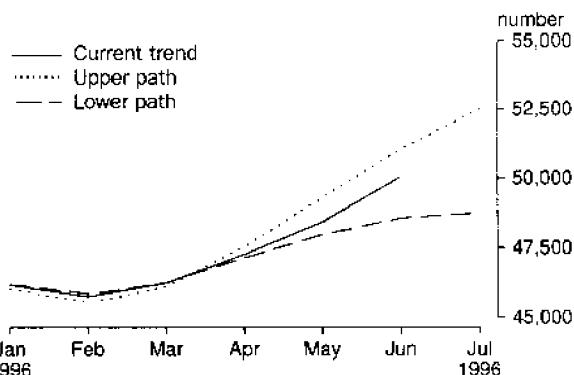
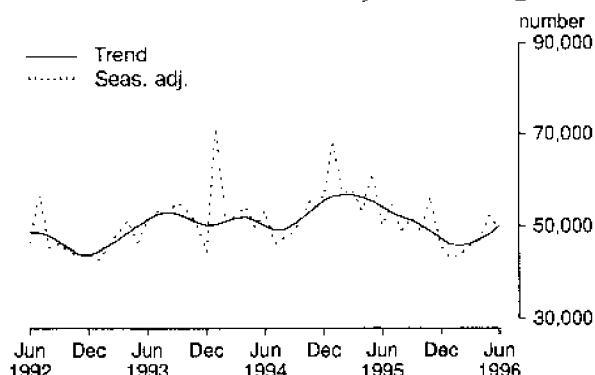


For footnotes see page 23.

Longer term trend (a)

M41 CARS AND STATION WAGONS (seas. adj. series average movement 8%)

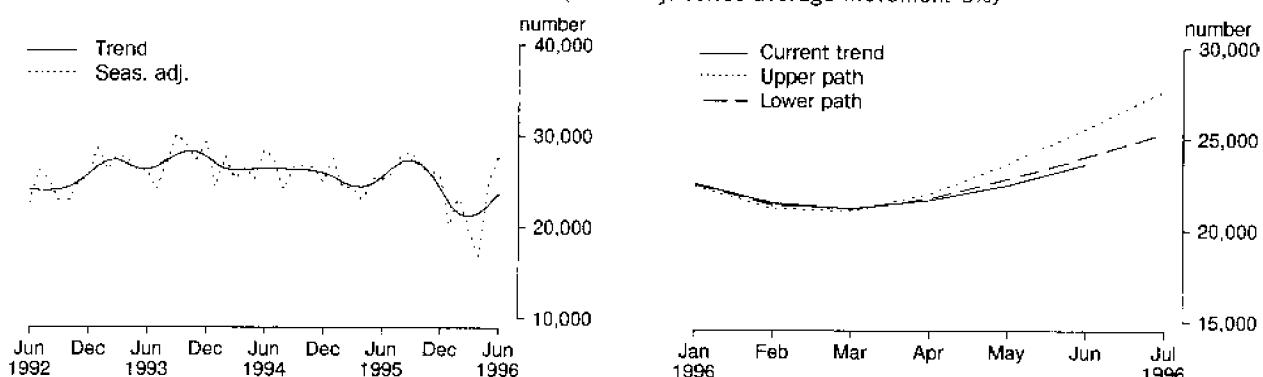
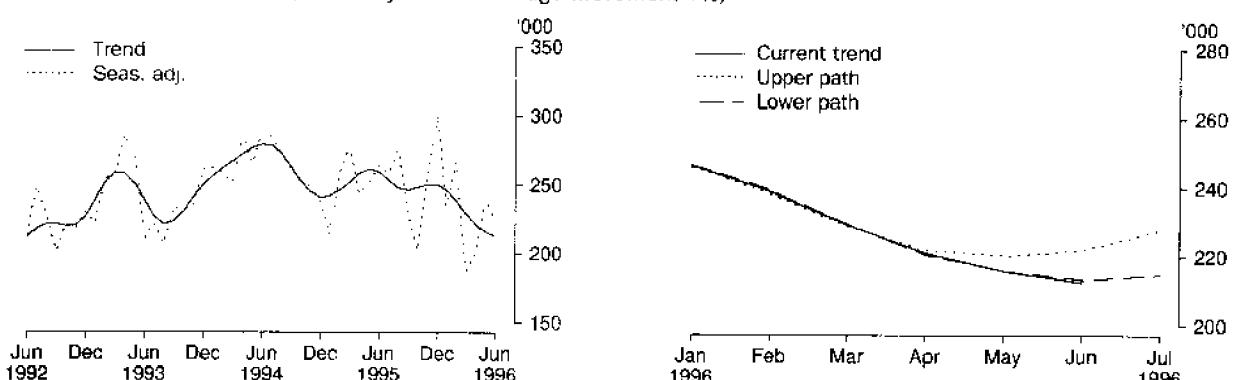
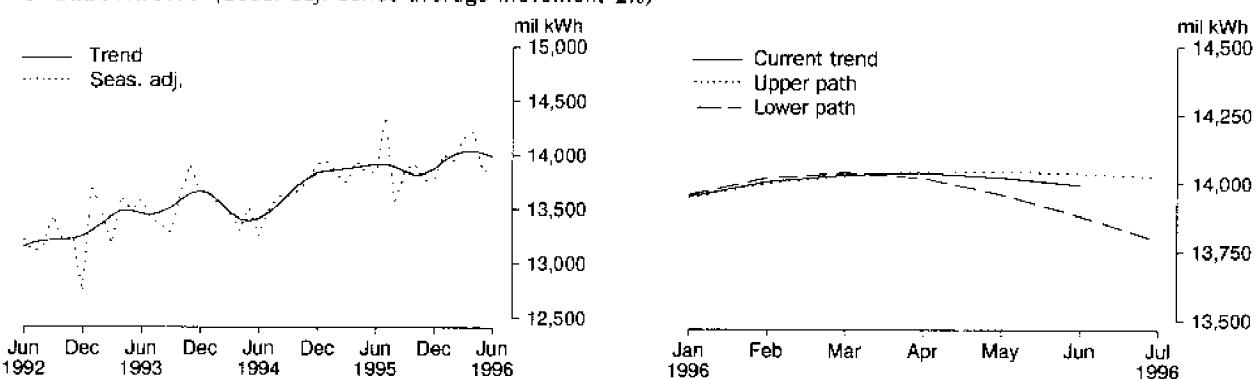
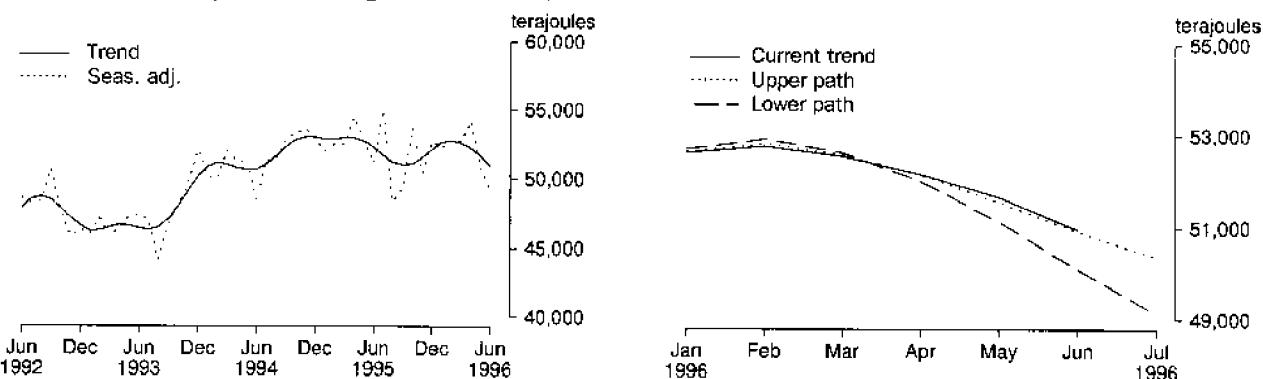
Short-term sensitivity analysis

**M42 VEHICLES FOR GOODS AND MATERIALS** (seas. adj. series average movement 11%)**M44 DOMESTIC REFRIGERATORS** (seas. adj. series average movement 8%)**M45 WATER HEATERS** (seas. adj. series average movement 9%)

For footnotes see page 23.

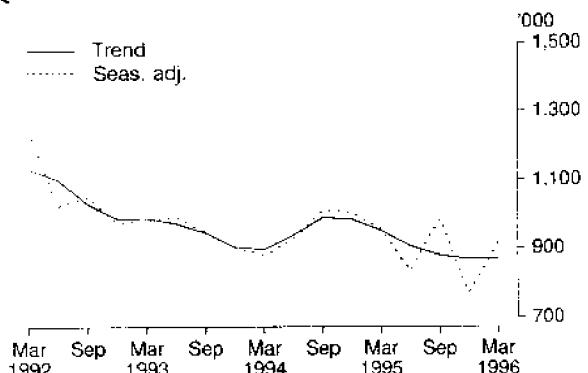
Longer term trend (a)

Short-term sensitivity analysis

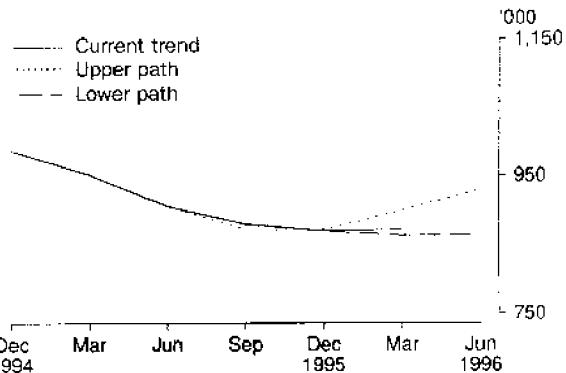
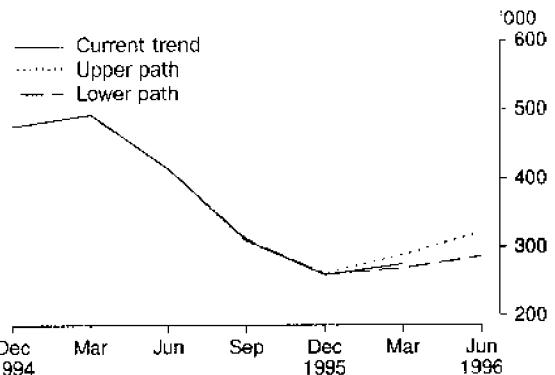
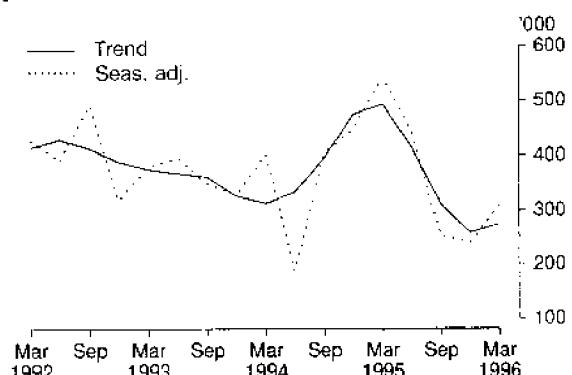
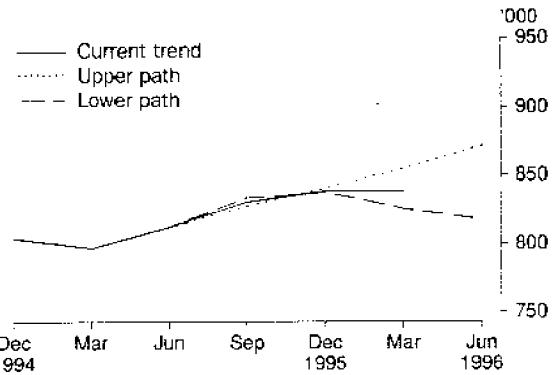
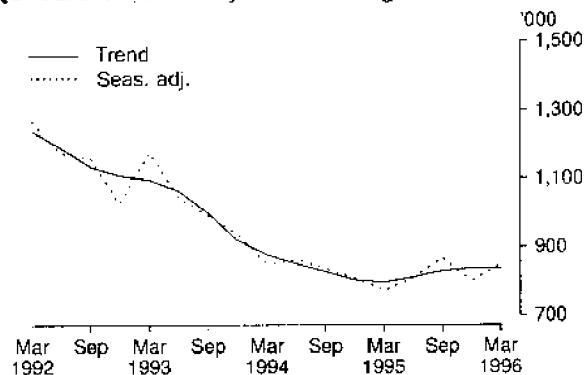
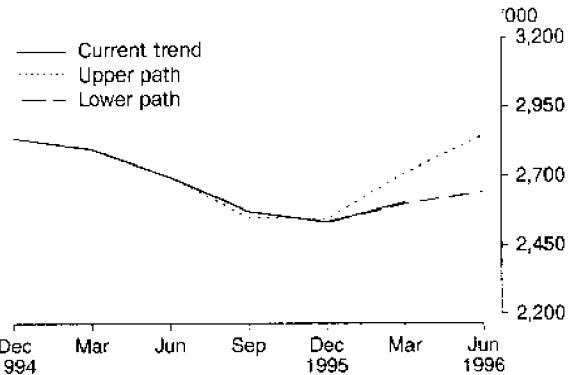
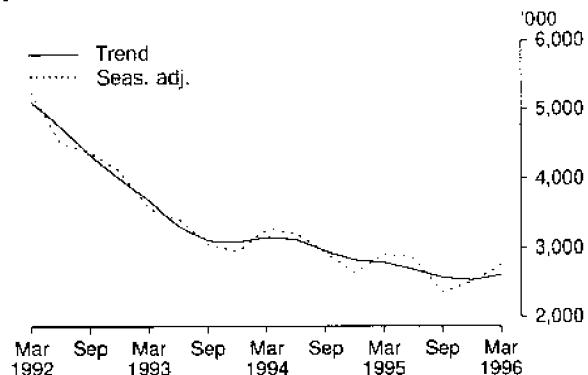
M46 DOMESTIC CLOTHES WASHING MACHINES (seas. adj. series average movement 9%)**M47 ELECTRIC MOTORS** (seas. adj. series average movement 7%)**M48 ELECTRICITY** (Seas. adj. series average movement 1%)**M49 GAS** (Seas. adj. series average movement 3%)

For footnotes see page 23.

Longer term trend (a)

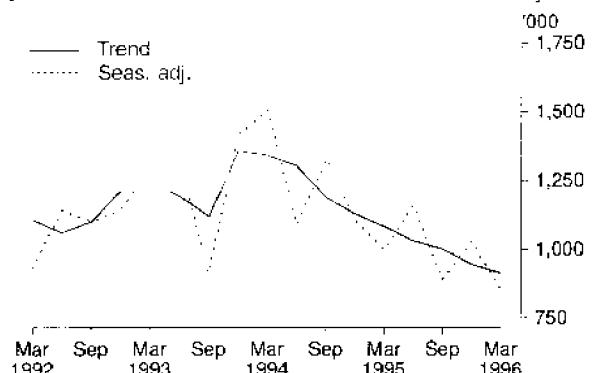
Q1 MEN'S AND BOYS' LONG TROUSERS (seas. adj. series average movement 7%)

Short-term sensitivity analysis

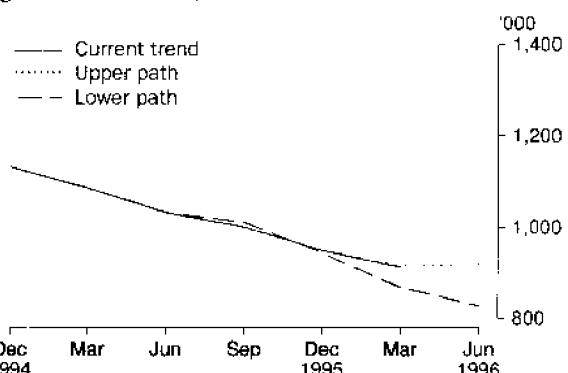
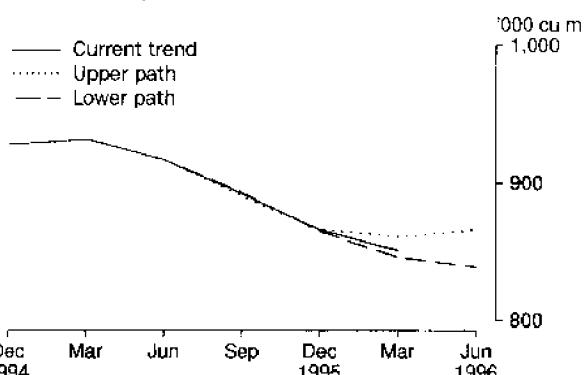
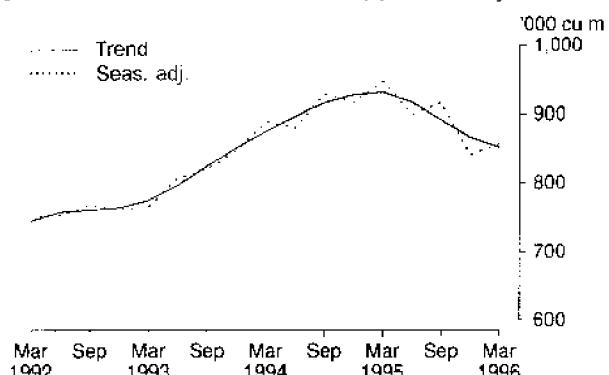
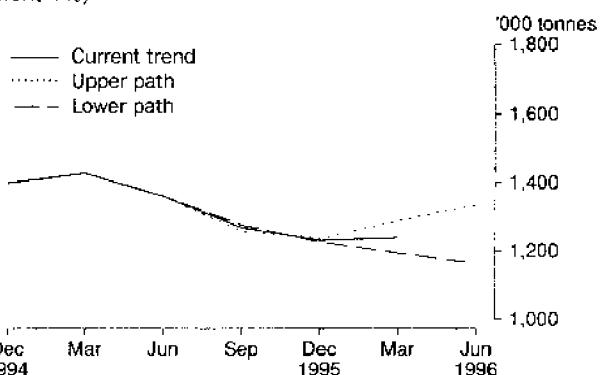
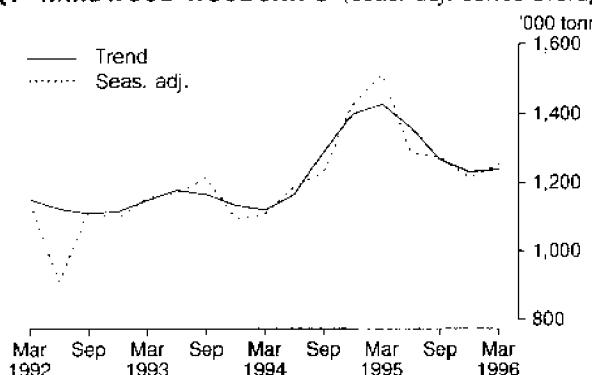
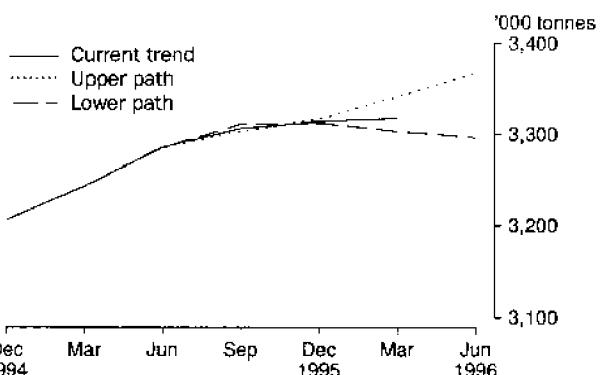
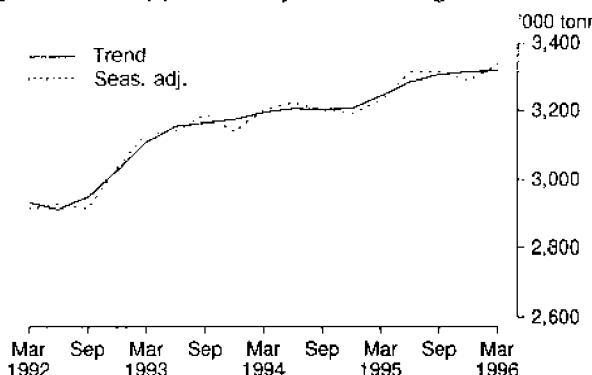
**Q2 WOMEN'S AND GIRLS' LONG TROUSERS** (seas. adj. series average movement 11%)**Q3 JEANS** (Seas. adj. series average movement 6%)**Q4 MEN'S AND BOYS' SHIRTS** (seas. adj. series average movement 7%)

For footnotes see page 23.

Longer term trend (a)

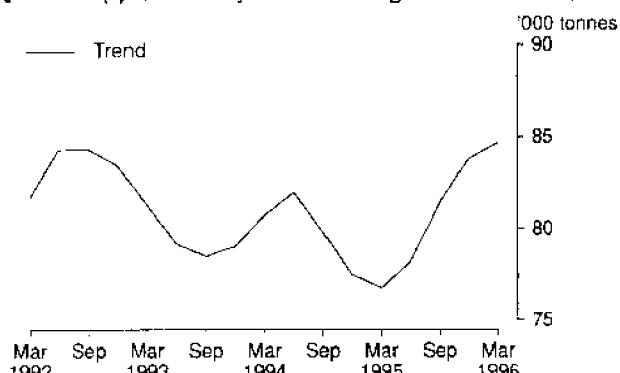
Q5 WOMEN'S SHIRTS AND BLOUSES (seas. adj. series average movement 11%)

Short-term sensitivity analysis

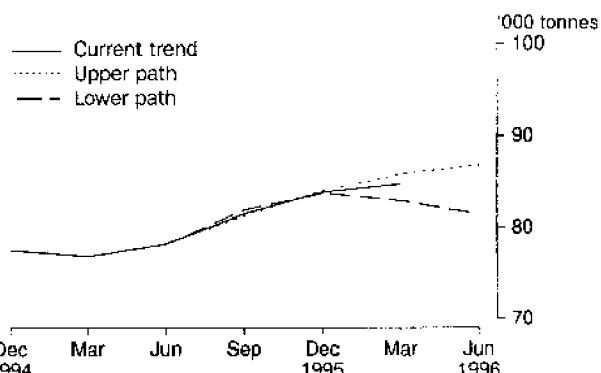
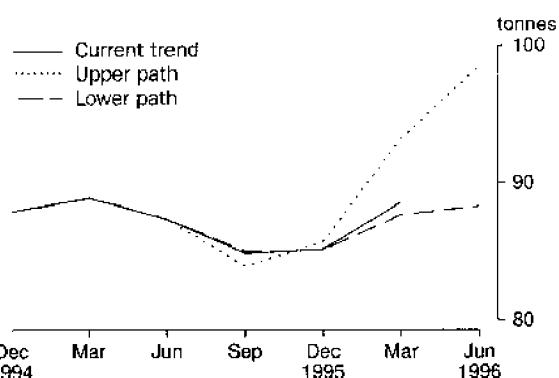
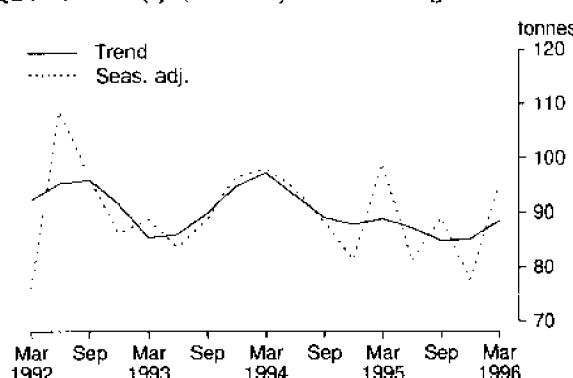
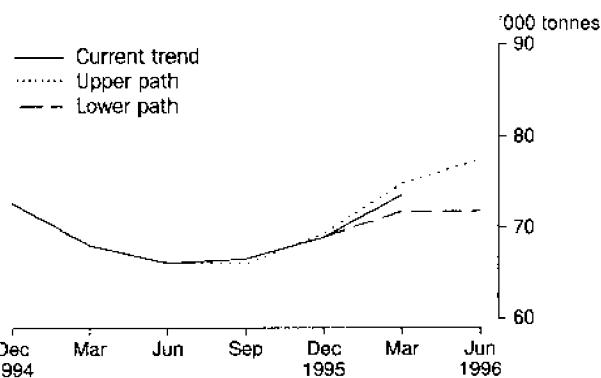
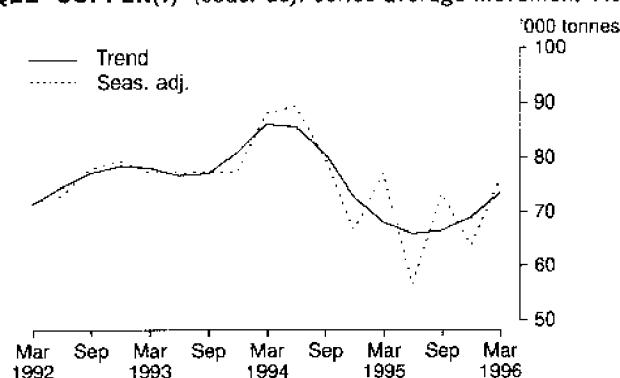
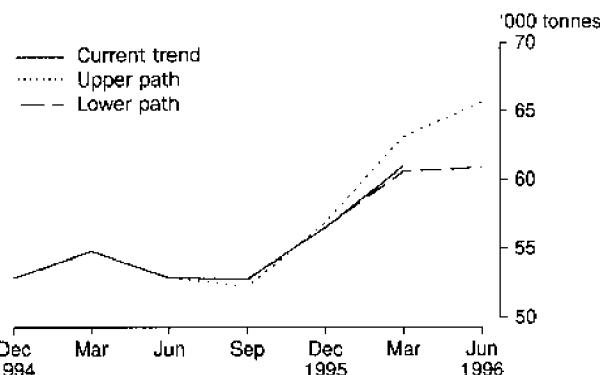
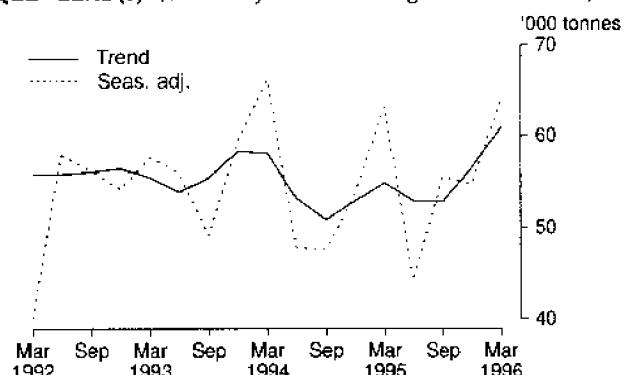
**Q6 UNDRESSED SAWN TIMBER(f)** (seas. adj. series average movement 3%)**Q7 HARDWOOD WOODCHIPS** (seas. adj. series average movement 7%)**Q8 ALUMINA(f)** (seas. adj. series average movement 2%)

For footnotes see page 23.

Longer term trend (a)

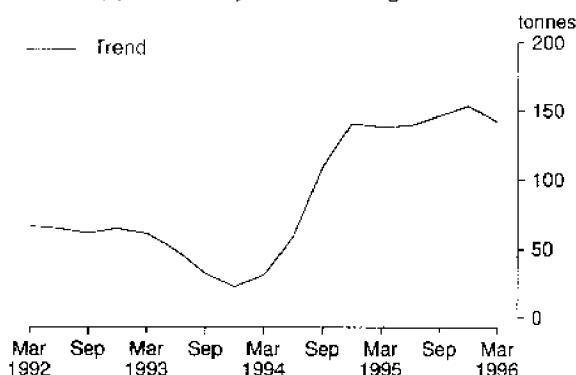
Q9 ZINC(f) (seas. adj. series average movement 6%)

Short-term sensitivity analysis

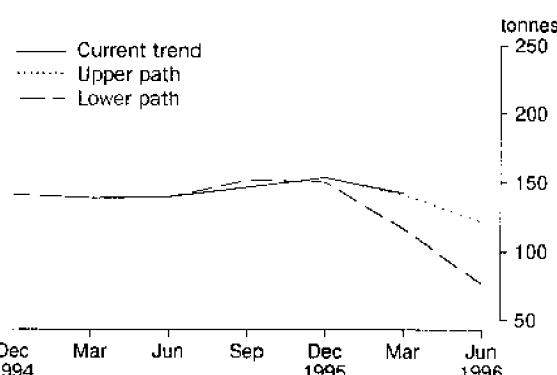
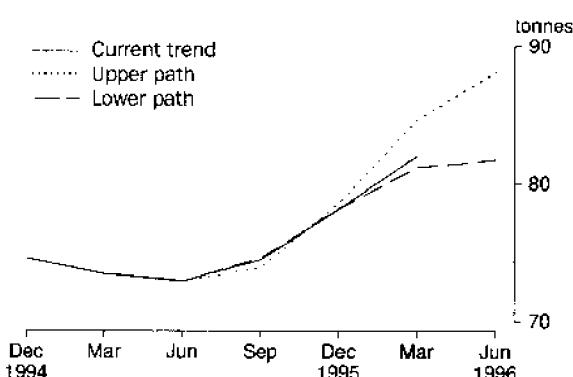
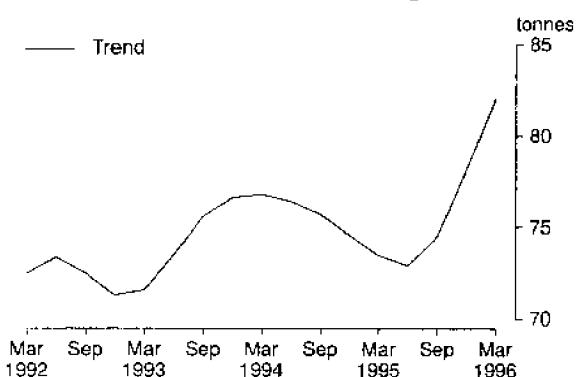
**Q10 SILVER(f)** (seas. adj. series average movement 10%)**Q11 COPPER(f)** (seas. adj. series average movement 7%)**Q12 LEAD(f)** (seas. adj. series average movement 7%)

For footnotes see page 23.

Longer term trend (a)

Q13 TIN(f) (seas. adj. series average movement 47%)

Short-term sensitivity analysis

**Q14 GOLD(f)** (seas. adj. series average movement 7%)

Percentage
changes between
latest month
shown and...

No.	Item	Series (a)	Unit	1995			1996					prev. month	same month prev. year	
				Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
M1	Red meat	Orig.	'000 tonnes	219	239	194	198	223	226	r 203	226	n.y.a.	11.6	-7.1
		S. adj.	"	211	214	212	224	229	224	r 212	200	n.y.a.	-5.5	-8.7
		Trend	"	215	216	218	220	220	218	216	212	n.y.a.	-1.7	-3.2
M2	Chicken meat	Orig.	tonnes	37,197	38,014	42,190	39,471	38,135	41,814	r 38,047	38,085	n.y.a.	0.1	4.0
		S. adj.	"	36,044	38,513	40,987	38,015	37,941	43,598	r 36,840	37,794	n.y.a.	2.6	2.1
		Trend	"	39,221	39,251	39,254	39,277	39,299	39,226	39,085	38,641	n.y.a.	-1.1	1.6
M3	Cheese(b)	Orig. r	"	31,113	33,275	29,018	24,533	23,734	19,718	18,832	15,285	n.y.a.	-18.8	3.1
		S. adj. r	"	21,157	23,253	22,326	20,684	23,938	20,816	22,174	21,325	n.y.a.	-3.8	0.6
		Trend r	"	21,991	22,100	22,183	22,160	22,059	21,924	21,783	21,571	n.y.a.	-1.0	4.4
M4	Butter(b)	Orig. r	"	18,438	19,528	18,624	16,075	11,776	11,475	8,380	6,542	n.y.a.	-21.9	21.7
		S. adj. r	"	11,811	11,544	11,678	12,387	11,892	12,260	12,114	13,044	n.y.a.	7.7	21.8
		Trend r	"	11,081	11,209	11,555	11,948	12,172	12,311	12,428	12,595	n.y.a.	1.3	10.7
M5	Flour of wheat or of meslin	Orig.	'000 tonnes	110	123	119	104	119	124	111	r 135	122	10.2	-0.2
		S. adj.	"	112	117	129	114	119	121	122	r 124	117	-6.0	3.8
		Trend	"	116	117	119	120	120	121	121	121	120	-0.3	8.5
M6	Prepared foods from cereals	Orig.	tonnes	9,024	9,661	6,594	8,371	8,570	10,431	7,277	8,951	7,758	-13.3	22.0
		S. adj.	"	8,831	9,666	6,812	10,065	8,758	9,717	7,658	8,150	7,728	-5.2	-19.1
		Trend	"	8,576	8,815	8,956	8,956	8,842	8,694	8,476	8,219	8,059	-2.0	-1.2
M7	Biscuits	Orig.	"	11,856	13,131	10,044	6,384	10,616	12,125	9,138	11,942	11,862	-0.7	-0.6
		S. adj.	"	11,362	11,273	12,289	9,593	10,216	11,650	10,474	10,996	11,906	8.3	7.5
		Trend	"	11,518	11,368	11,123	10,875	10,745	10,785	10,925	11,105	11,284	1.6	3.3
M8	Chocolate based confectionery	Orig.	"	10,763	11,310	9,440	7,498	9,166	9,070	6,385	9,246	9,127	-1.3	-5.8
		S. adj.	"	10,074	10,146	9,931	12,749	8,845	8,591	7,428	8,386	9,478	13.0	1.6
		Trend	"	10,151	10,362	10,362	10,103	9,622	9,083	8,659	8,393	8,247	-1.7	-7.7
M9	Other confectionery	Orig.	"	7,587	7,436	5,001	3,564	5,709	6,518	4,418	6,057	6,605	9.1	-2.9
		S. adj.	"	7,061	6,279	5,287	6,233	5,912	6,402	5,486	5,958	6,379	7.1	0.0
		Trend	"	6,165	6,159	6,105	6,021	5,953	5,949	5,986	6,042	6,118	1.3	4.1
M10	Malt	Orig.	"	44,705	51,787	45,016	42,853	49,747	45,992	46,119	48,050	54,107	12.6	23.5
		S. adj.	"	46,452	48,753	44,705	44,509	48,199	43,874	51,363	43,901	53,721	22.4	20.6
		Trend	"	46,472	46,325	46,050	45,957	46,246	46,829	47,675	48,638	49,796	2.4	8.2
M11	Beer	Orig.	mil litres	166	193	161	133	128	147	131	146	120	-17.5	-7.2
		S. adj.	"	148	156	138	133	132	150	137	152	152	-0.4	-0.1
		Trend	"	150	146	143	140	139	141	144	146	150	2.5	0.9
M12	Tobacco and cigarettes(c)	Orig.	tonnes	1,421	1,671	1,647	667	1,751	1,857	1,629	1,834	1,777	-3.1	-4.2
		S. adj.	"	1,528	1,506	1,882	1,107	1,532	1,819	1,948	1,515	1,867	23.2	5.4
		Trend	"	1,676	1,594	1,544	1,544	1,589	1,653	1,713	1,763	1,796	1.8	-0.2
M13	Man-made fibre woven fabric(d)	Orig.	'000 sq m	12,795	14,778	9,663	7,955	13,044	12,196	9,327	r 13,659	11,011	-19.4	-27.2
		S. adj.	"	12,105	13,933	11,183	12,742	12,262	11,135	9,919	r 12,480	10,657	-14.6	-22.2
		Trend	"	13,214	12,793	12,378	12,020	11,751	11,491	11,253	11,057	11,028	-0.3	-21.3
M14	Cotton woven fabric(d)	Orig.	"	5,645	6,892	4,411	3,325	5,756	4,771	4,339	5,937	5,052	-14.9	-3.6
		S. adj.	"	5,513	6,713	5,108	8,334	5,431	4,063	4,574	5,140	4,552	-11.4	3.8
		Trend	"	5,969	6,245	6,283	6,062	5,676	5,263	4,898	4,607	4,446	-3.5	1.2
M15	Cotton yarn	Orig.	tonnes	3,077	3,552	2,318	1,901	3,282	3,381	2,509	3,281	3,527	7.5	-2.2
		S. adj.	"	3,084	3,390	2,726	3,014	3,368	3,035	2,762	2,985	3,114	4.3	6.1
		Trend	"	3,103	3,091	3,078	3,058	3,045	3,025	3,008	2,996	3,018	0.7	-6.4
M16	Wool yarn	Orig.	"	1,914	1,444	1,301	1,236	1,798	1,685	1,445	1,673	1,483	-11.4	-22.6
		S. adj.	"	1,651	1,306	1,637	1,824	1,733	1,799	1,628	1,510	1,479	-2.1	-18.7
		Trend	"	1,662	1,632	1,641	1,674	1,699	1,692	1,654	1,604	1,533	-4.4	-16.8

For footnotes see page 23.

Percentage
changes between
latest month
shown and—

No.	Item	Series (a)	Unit	1995			1996					prev. month	same month prev. year	
				Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
M17	Wool woven fabric(h)	Orig.	'000 sq m	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.
		S. adj.	"	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.
		Trend	"	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.
M18	Textile floor coverings	Orig.	"	4,057	3,192	3,046	2,483	4,057	3,855	3,456	+3,621	3,249	-10.3	-11.3
		S. adj.	"	3,732	2,724	3,536	4,132	3,841	3,845	3,850	+3,249	3,353	3.2	-6.2
		Trend	"	3,420	3,454	3,565	3,699	3,779	3,768	3,693	3,595	3,440	-4.3	-5.8
M19	Footwear(e)	Orig.	'000 pairs	1,463	1,381	1,029	756	1,326	1,339	1,183	+1,346	1,089	-19.1	-11.6
		S. adj.	"	1,359	1,278	1,213	1,358	1,238	1,184	1,165	+1,223	1,124	-8.1	-8.7
		Trend	"	1,347	1,324	1,294	1,263	1,237	1,216	1,194	1,173	1,156	-4.5	-6.3
M21	Newsprint	Orig.	tonnes	36,142	38,931	36,733	38,631	40,350	36,111	34,818	40,194	35,515	-11.6	-2.0
		S. adj.	"	35,720	38,623	37,718	36,617	39,909	35,231	32,797	39,133	38,507	-1.6	-1.8
		Trend	"	37,126	37,131	37,256	37,187	36,961	36,740	36,677	36,803	37,142	0.9	-2.1
M22	Wood pulp	Orig.	"	75,865	78,435	92,434	80,019	83,003	78,760	76,641	90,827	76,614	-15.6	19.4
		S. adj.	"	80,534	75,844	92,730	78,802	82,764	76,705	78,718	91,453	77,132	-15.7	-16.0
		Trend	"	82,821	82,494	82,183	81,826	81,550	81,508	81,482	81,551	81,063	0.6	-7.6
M23	Unlaminated particle board	Orig.	'000 cu m	69	79	57	36	73	74	68	73	67	-8.6	-5.9
		S. adj.	"	64	63	75	59	73	73	74	61	73	19.2	0.7
		Trend	"	65	66	68	69	70	70	70	70	69	-0.8	1.0
M25	Paperboard containers	Orig.	'000 tonnes	99,194	106,031	82,823	86,695	90,553	91,749	84,024	88,295	81,107	-8.1	-7.2
		S. adj.	"	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
		Trend	"	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
M26	Automotive gasoline(f)	Orig.	megalitres	1,528	1,487	1,537	1,561	1,463	1,529	1,544	n.y.a.	n.y.a.	1.0	3.2
		S. adj.	"	1,560	1,617	1,517	1,476	1,537	1,523	1,620	n.y.a.	n.y.a.	6.4	3.3
		Trend	"	1,520	1,530	1,533	1,536	1,540	1,546	1,553	n.y.a.	n.y.a.	0.4	4.2
M27	Fuel oil(f)	Orig.	"	156	164	209	129	139	126	127	n.y.a.	n.y.a.	1.4	-39.0
		S. adj.	"	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
		Trend	"	188	180	169	157	144	132	125	n.y.a.	n.y.a.	5.7	-44.3
M28	Aviation turbine fuel(f)	Orig.	"	400	430	463	452	398	414	392	n.y.a.	n.y.a.	-5.3	7.2
		S. adj.	"	355	420	447	431	391	437	412	n.y.a.	n.y.a.	-5.9	6.2
		Trend	"	402	410	417	421	422	422	423	n.y.a.	n.y.a.	0.2	9.3
M29	Automotive diesel oil(f)	Orig.	"	956	1,011	1,119	1,049	980	953	955	n.y.a.	n.y.a.	0.2	-1.1
		S. adj.	"	930	1,027	1,038	1,002	1,038	974	984	n.y.a.	n.y.a.	1.0	-1.1
		Trend	"	989	997	1,006	1,011	1,010	1,005	999	n.y.a.	n.y.a.	0.6	3.0
M30	Plastics in primary forms	Orig.	'000 tonnes	108	96	85	98	102	108	100	113	81	-27.9	-21.8
		S. adj.	"	97	93	95	103	106	108	100	114	90	-21.2	-19.8
		Trend	"	99	97	98	101	103	104	104	103	102	-1.6	-4.6
M31	Rigid PVC tubes, pipes and hoses	Orig.	tonnes	7,058	7,649	5,588	4,479	8,753	9,229	7,599	9,608	8,780	-8.6	-6.3
		S. adj.	"	7,076	6,774	6,127	7,506	7,859	9,178	9,511	8,219	8,501	3.4	-4.1
		Trend	"	6,674	6,737	7,053	7,511	7,989	8,422	8,726	8,905	8,997	1.0	18.7
M32	Polyethylene bottles up to two litres	Orig.	million	125	121	147	119	129	140	109	115	107	-7.2	15.2
		S. adj.	"	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
		Trend	"	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
M33	Paint	Orig.	'000 litres	14,385	14,914	15,103	13,006	16,714	17,602	13,947	+16,020	14,871	-7.2	-16.9
		S. adj.	"	13,459	14,002	14,753	16,357	17,051	16,298	14,671	+14,583	17,045	16.9	-5.2
		Trend	"	14,357	14,590	15,059	15,549	15,830	15,906	15,861	15,810	15,758	-0.3	-0.4
M34	Superphosphates	Orig.	'000 tonnes	166	183	162	208	171	161	156	174	101	-41.9	23.9
		S. adj.	"	243	159	135	163	117	105	129	171	134	-21.7	23.2
		Trend	"	171	171	160	145	133	129	131	136	140	3.2	16.0

For footnotes see page 23.

Percentage
changes between
latest month
shown and...

No.	Item	Series (a)	Unit	1995			1996					prev. month	same month prev. year	
				Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
M35	Portland cement	Orig.	'000 tonnes	554	508	483	414	533	579	491	543	559	2.9	-4.0
		S. adj.		532	441	503	562	557	572	526	506	547	8.0	-2.4
		Trend	"	521	518	522	530	538	544	544	541	534	-1.4	-4.5
M36	Clay bricks	Orig.	million	138	127	104	79	108	123	116	125	117	-6.9	-24.8
		S. adj.		131	122	117	113	108	118	119	113	117	3.1	20.8
		Trend	"	126	121	118	115	114	114	115	116	116	0.7	-18.1
M37	Ready mixed concrete	Orig. r	'000 cu m	1,284	1,252	1,011	952	1,235	1,286	1,102	1,307	1,157	-11.4	-10.3
		S. adj. r		1,204	1,141	1,155	1,195	1,256	1,261	1,179	1,158	1,189	2.7	-4.2
		Trend r	"	1,208	1,194	1,191	1,198	1,207	1,211	1,207	1,199	1,188	-0.9	-5.3
M38	Basic iron, spiegeleisen & sponge iron(g)	Orig.	'000 tonnes	640	633	639	630	611	636	614	620	620	0.0	4.2
		S. adj.		604	621	652	630	668	648	625	623	630	1.2	5.0
		Trend	"	619	628	637	642	644	642	637	632	627	-0.9	1.9
M39	Blooms and slabs of iron or steel(g)	Orig.	"	690	669	664	657	618	670	642	655	658	0.4	4.6
		S. adj.		652	660	664	643	676	684	669	675	675	0.1	4.4
		Trend	"	653	656	659	663	668	671	674	676	678	0.2	3.8
M40	Insulated wire	Orig.	tonnes	6,496	6,949	4,529	3,612	6,663	6,549	5,457	6,705	6,037	-10.0	2.8
		S. adj.		5,701	6,448	5,382	6,367	6,699	5,836	5,545	6,118	6,372	4.1	3.3
		Trend	"	6,073	6,070	6,083	6,077	6,073	6,066	6,057	6,056	6,112	0.9	-0.4
M41	Cars and station wagons	Orig.	number	24,523	27,826	20,843	13,172	26,787	26,050	22,629	30,293	25,310	-16.4	-10.1
		S. adj.		22,429	23,881	27,203	27,464	25,308	24,487	26,139	25,534	25,671	0.5	-3.9
		Trend	"	24,960	25,029	25,370	25,714	25,878	25,822	25,667	25,535	25,346	-0.7	1.4
M42	Vehicles for goods and materials	Orig.	"	1,999	2,159	1,476	1,003	2,134	2,430	2,168	2,864	2,419	-15.5	0.7
		S. adj.		1,691	1,930	1,937	2,134	2,106	2,279	2,369	2,390	2,408	0.8	10.1
		Trend	"	1,928	1,909	1,956	2,049	2,157	2,251	2,325	2,385	2,432	2.0	13.9
M43	Telephones	Orig.	'000	193	144	124	72	66	91	79	108	76	-29.4	-43.5
		S. adj.		n.a.	n.a.	n.a.								
		Trend	"	n.a.	n.a.	n.a.								
M44	Domestic refrigerators	Orig.	number	39,325	42,831	34,485	38,183	37,107	33,988	20,441	36,299	27,261	-24.9	15.0
		S. adj.		35,117	34,715	38,792	36,748	33,655	31,144	23,141	33,469	33,811	1.0	-5.6
		Trend	"	37,815	37,302	36,195	34,614	32,976	31,647	30,731	30,299	30,138	-0.5	-14.8
M45	Water heaters	Orig.	"	54,924	59,653	40,651	21,528	44,569	50,738	38,653	59,112	50,558	-14.5	9.4
		S. adj.		48,736	56,298	45,587	43,058	43,962	45,924	47,041	52,331	49,326	-5.7	-1.4
		Trend	"	50,276	48,884	47,386	46,164	45,770	46,230	47,286	48,438	50,066	3.4	-7.5
M46	Domestic clothes washing machines	Orig.	"	27,083	29,485	20,873	10,757	23,619	20,595	15,306	25,940	27,380	5.6	5.2
		S. adj.		26,524	26,228	25,602	20,204	23,677	19,384	16,858	24,835	27,723	11.6	9.9
		Trend	"	26,912	25,835	24,177	22,509	21,447	21,195	21,612	22,475	23,637	5.2	-7.2
M47	Electric motors	Orig.	'000	225	280	253	158	282	204	185	267	213	-20.1	-23.2
		S. adj.		203	254	301	235	267	188	201	240	224	-6.4	-15.0
		Trend	"	248	250	250	246	239	229	221	216	213	1.5	18.0
M48	Electricity	Orig.	milk Wh	13,717	13,315	13,420	13,679	13,354	14,043	13,342	14,378	14,366	-0.1	-0.7
		S. adj.		13,920	13,765	13,781	14,001	13,941	14,164	14,221	13,850	13,888	0.3	0.3
		Trend	"	13,821	13,830	13,878	13,949	14,005	14,033	14,038	14,023	13,993	-0.2	0.6
M49	Gas	Orig.	terajoules	53,882	47,053	43,940	42,024	43,968	47,210	48,910	54,562	58,615	7.4	-3.8
		S. adj.		53,646	50,402	52,709	52,246	52,756	52,724	54,223	50,843	49,188	-3.3	-3.8
		Trend	"	51,131	51,549	52,129	52,627	52,768	52,558	52,173	51,670	50,966	-1.4	-2.4

For footnotes see page 23.

Percentage
changes between
latest quarter
shown and—

No.	Item	Series (a)	Unit	1994				1995				1996		same quarter prev. year
				Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	prev. quarter	
Q1	Men's and boys' long trousers	Orig.	'000	759	1,048	1,039	987	822	944	1,013	756	788	4.1	-4.2
		S. adj.	"	881	927	1,012	1,005	956	835	986	770	916	18.9	-4.2
		Trend	"	898	939	991	986	952	906	880	870	872	0.2	-8.5
Q2	Women's and girls' long trousers	Orig.	"	461	188	407	380	628	443	252	202	359	77.6	-42.8
		S. adj.	"	403	187	405	450	545	442	252	240	310	29.3	-43.0
		Trend	"	314	334	397	476	493	415	310	259	275	5.9	-44.3
Q3	Jeans	Orig.	"	709	945	941	770	641	887	979	764	706	-7.6	10.1
		S. adj.	"	852	864	837	810	772	811	870	803	851	5.9	10.2
		Trend	"	879	852	830	804	797	812	831	838	838	0.0	5.2
Q4	Men's and boys' shirts	Orig.	"	2,623	2,867	3,545	2,900	2,347	2,554	2,841	2,741	2,231	-18.6	-5.0
		S. adj.	"	3,280	3,208	2,940	2,642	2,916	2,861	2,357	2,502	2,761	10.4	-5.3
		Trend	"	3,157	3,127	2,954	2,835	2,795	2,696	2,575	2,536	2,606	2.8	-6.8
Q5	Women's shirts and blouses	Orig.	"	1,218	812	1,787	1,218	806	864	1,202	1,132	690	-39.0	-14.4
		S. adj.	"	1,506	1,092	1,326	1,107	998	1,163	891	1,029	855	-17.0	-14.4
		Trend	"	1,341	1,304	1,189	1,131	1,084	1,032	1,001	948	913	3.7	-15.8
Q6	Undressed sawn timber(f)	Orig.	'000 cu m	827	905	967	916	883	925	1,956	1,839	799	-4.8	-9.5
		S. adj.	"	889	880	929	917	948	900	1,918	1,841	857	1.9	-9.6
		Trend	"	875	896	916	928	932	917	892	866	851	-1.8	-8.7
Q7	Hardwood woodchips	Orig.	'000 tonnes	1,026	1,228	1,286	1,417	1,402	1,332	1,334	1,203	1,163	-3.3	-17.1
		S. adj.	"	1,108	1,188	1,229	1,428	1,512	1,288	1,273	1,214	1,253	3.2	-17.1
		Trend	"	1,118	1,164	1,289	1,400	1,428	1,359	1,267	1,231	1,238	0.5	-13.3
Q8	Alumina(f)	Orig.	"	3,172	3,209	3,235	3,203	3,203	3,299	3,348	3,297	3,311	0.4	3.4
		S. adj.	"	3,205	3,225	3,200	3,192	3,231	3,314	3,313	3,288	3,337	1.5	3.3
		Trend	"	3,195	3,207	3,204	3,207	3,244	3,286	3,307	3,314	3,318	0.1	2.3
Q9	Zinc(f)	Orig.	"	82	81	82	78	72	81	82	85	81	-4.7	12.5
		S. adj.	"	n.a.	n.a.									
		Trend	"	81	82	80	78	77	78	81	84	85	1.1	10.4
Q10	Silver(f)	Orig.	"	91	104	88	79	93	89	89	75	90	20.0	-3.2
		S. adj.	"	98	95	88	81	99	81	89	78	95	22.6	-3.8
		Trend	"	97	93	89	88	89	87	85	85	89	4.0	-0.4
Q11	Copper(f)	Orig.	'000 tonnes	81	87	87	68	71	55	80	65	70	7.7	-1.4
		S. adj.	"	88	90	80	67	77	57	73	64	76	19.0	-1.5
		Trend	"	86	86	81	73	68	66	67	69	74	6.7	8.2
Q12	Lead(f)	Orig.	"	55	53	49	55	53	49	57	56	54	-3.6	1.9
		S. adj.	"	66	48	48	54	63	44	56	55	64	17.3	1.4
		Trend	"	58	53	51	53	55	53	53	57	61	7.9	11.2
Q13	Tin(f)	Orig.	tonnes	18	90	75	135	180	65	165	160	89	-44.4	-50.6
		S. adj.	"	n.a.	n.a.									
		Trend	"	31	59	110	141	138	139	146	153	142	-7.3	2.8
Q14	Gold(f)	Orig.	"	75	79	78	71	74	74	75	75	85	12.8	14.3
		S. adj.	"	n.a.	n.a.									
		Trend	"	77	76	76	75	73	73	74	78	82	5.0	11.8

(a) Trend estimates shown may have been revised. See Explanatory Note 13.

(b) Source: Australian Dairy Corporation.

(c) Source: Australian Tobacco Marketing Committee, until April 1995.

(d) Recent movements in this series have caused some uncertainty in its trend estimates from September 1995. Although these changes may be sustained, a larger span of data is required before the final trend for this series can be determined.

(e) The series 'M19 Footwear (excluding sports footwear)' and 'M20 Sports footwear' have been combined, and are now shown as 'M19 Footwear'.

(f) Source: Australian Bureau of Agricultural and Resource Economics (ABARE).

(g) This data item comprises production of BHP Steel only.

(h) Data in this series are subject to significant revisions and will be published when those revisions are available.

WHAT IF...? Revisions to Trend Estimates

THE EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES

Each time new seasonally adjusted estimates become available, trend estimates are revised (see paragraphs 12 to 14 of the Explanatory Notes).

TREND REVISIONS

The example in the table below shows four illustrative scenarios and the consequent revisions to previous trend estimates of biscuit production.

- 1** The July seasonally adjusted estimate is the same as the June estimate.
- 2** The July seasonally adjusted estimate is higher than the June estimate by 5%.
- 3** The July seasonally adjusted estimate is lower than the June estimate by 5%.
- 4** The July seasonally adjusted estimate results in a revised June trend estimate which is identical to the new July trend estimate.

The percentage change of 5% was chosen because it represents the average absolute monthly percentage change for this series since July 1989.

M7 BISCUITS TREND SERIES

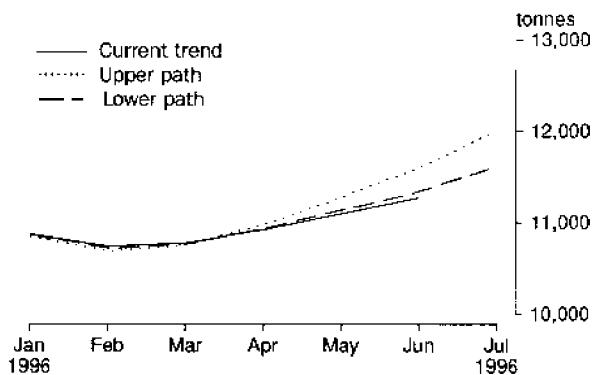
(tonnes)

WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE IS:

		1 11 906 <i>i.e. the same as Jun 1996</i>	2 12 501 <i>i.e. rises by 5%</i>	3 11 311 <i>i.e. falls by 5%</i>	4 9 474 <i>i.e. same trend for Jun & Jul</i>
	TREND as PUBLISHED				
1996					
April	10 925	10 962	10 984	10 941	10 853
May	11 105	11 218	11 289	11 148	10 858
June	11 284	11 475	11 608	11 342	10 796
July (new)	—	11 820	12 021	11 620	10 796

Of these series, the trend as published ('Current trend'), trend scenario **2** ('Upper path') and trend scenario **3** ('Lower path') are shown in the 'Short-term sensitivity analysis' graphs, as this example shows.

SHORT-TERM SENSITIVITY ANALYSIS OF BISCUITS



EXPLANATORY NOTES

INTRODUCTION

- 1** This publication presents monthly and quarterly estimates of production of selected major manufacturing indicators for Australia.

SCOPE AND COVERAGE

- 2** Data presented in this publication are collected from a number of different sources. The prime source is the ABS surveys of manufacturing production. Data are also obtained from surveys undertaken by the Australian Bureau of Agricultural and Resource Economics (ABARE), the Australian Dairy Corporation (ADC), the Australian Tobacco Marketing Committee (until April 1995) and from ABS agriculture collections. Scope and coverage varies slightly depending on the source of the information.
- 3** Where production statistics are collected by the ABS manufacturing production surveys, they are not collected from single establishment manufacturing businesses with less than four persons employed nor from establishments predominantly engaged in non-manufacturing activities but which may carry out some manufacturing in a minor way. However, in general, the contribution of these small producers to statistical aggregates is only marginal and data contained in this publication provide reliable information for the evaluation of movements in commodity production.
- 4** The statistics on meat production include data collected from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms and by country butchers and other small slaughtering establishments for human consumption.
- 5** The statistics on chicken meat have been collected from commercial poultry slaughtering establishments. Producers in Tasmania, the Northern Territory and the Australian Capital Territory and the very small producers are excluded from the collection.
- 6** Data on the production of fuels, sawn timber and quarterly estimates of base metal production are obtained from the Australian Bureau of Agricultural and Resource Economics publications *Mineral Statistics* and *Forest Products Statistics*.
- 7** Data on the production of cheese and butter are obtained from the Australian Dairy Corporation publication *Dairystats*. Data on tobacco and cigarettes produced were obtained from the Australian Tobacco Marketing Committee until April 1995.

COMPARABILITY WITH OTHER ESTIMATES

- 8** The ABS publishes quarterly estimates of constant price manufacturing production in the publication *Quarterly Indexes of Industrial Production, Australia* (8125.0). These estimates are shown as index numbers and are derived mainly from estimates of manufacturers' sales and stocks.
- 9** The production statistics collected monthly and quarterly referred to in paragraph 1 account, in total, for less than half of the output of the manufacturing sector. For information on general trends in the manufacturing sector, refer to the publication referred to in paragraph 8.

EXPLANATORY NOTES *continued*

SEASONALLY ADJUSTED AND TREND ESTIMATES

10 Seasonally adjusted statistics are shown for most of the data items contained in this publication. In the seasonal adjustment, account has been taken not only of normal seasonal factors, but also where appropriate, of 'working day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months or quarters. Details of the methods used in seasonally adjusting these series are available on request.

11 Seasonal adjustment procedures do not aim to remove the irregular or non-seasonal influences which may be present in any particular month or quarter, such as the effect of strikes, holiday shutdowns or other factors which vary with the prevailing demand for products. Irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after seasonal adjustment.

12 The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the monthly and a 7-term moving average to the quarterly seasonally adjusted series. The 7- and 13-term Henderson averages (like all Henderson averages) are symmetric but, as the end of a time series is approached, asymmetric forms of the average are applied. Unlike the weights of the standard 7-term Henderson moving average, the surrogate weights employed with the quarterly data have been tailored to suit the particular characteristics of individual series.

13 While the asymmetric weights enable trend estimates for recent months or quarters to be produced, it does result in revisions to the estimates for the most recent months or quarters as additional observations become available. Generally, subsequent revisions become smaller and after 3 months or 2 quarters have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

14 Users may wish to refer to the ABS Information Paper *A Guide to Interpreting Time Series - Monitoring 'Trends', an overview* (1348.0) for more detailed information on smoothing of seasonally adjusted time series data.

RELATED PUBLICATIONS

15 Other ABS publications which may be of interest are

- *International Trade, Australia: FASTTRACCS Service — Hardcopy Reports* (5461.0)
- *Stocks, Selected Industry Sales and Expected Sales, Australia* (5629.0) issued quarterly
- *Livestock products, Australia* (7215.0) issued monthly
- *Quarterly Indexes of Industrial Production, Australia* (8125.0)
- *Manufacturing Industry, Australia: Preliminary* (8201.0) issued annually
- *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (8205.0), released on 21 March 1996
- *Manufacturing Industry, Australia* (8221.0) issued annually
- *Manufacturing Production, Australia: Principal Commodities Produced, 1989-90* (8365.0)
- *The Australian Mining Industry, Australia* (8414.0) issued annually

EXPLANATORY NOTES *continued*

UNPUBLISHED STATISTICS

16 Additional manufacturing production data are collected by the ABS through user funded surveys and are available to users as a special data service. These series are:

- domestic refrigerators
- domestic deep-freezers
- water heaters
- clothes drying machines
- domestic cooking stoves, ovens and ranges
- space heaters
- mowers
- air conditioners
- audio cassette tapes
- audio compact discs
- liquid supply or production meters
- brass bars, rods and sections
- strip for retreading rubber tyres
- electricity
- gas
- semi-trailers
- mineral waters and aerated waters
- starches, wheat gluten and glucose
- beer
- ham and bacon and canned meat
- ready mixed concrete
- concrete blocks, bricks and pavers
- roof tiles
- clay bricks
- Portland cement
- mattresses and mattress supports
- knitted underwear
- foundation garments
- footwear

A more detailed breakdown of most published series is also available as a special data service.

For further information, please call John Ridley on (02) 268 4541.

CURRENT PUBLICATIONS

17 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 *Release 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.

APPENDIX : Clarification of production item terms

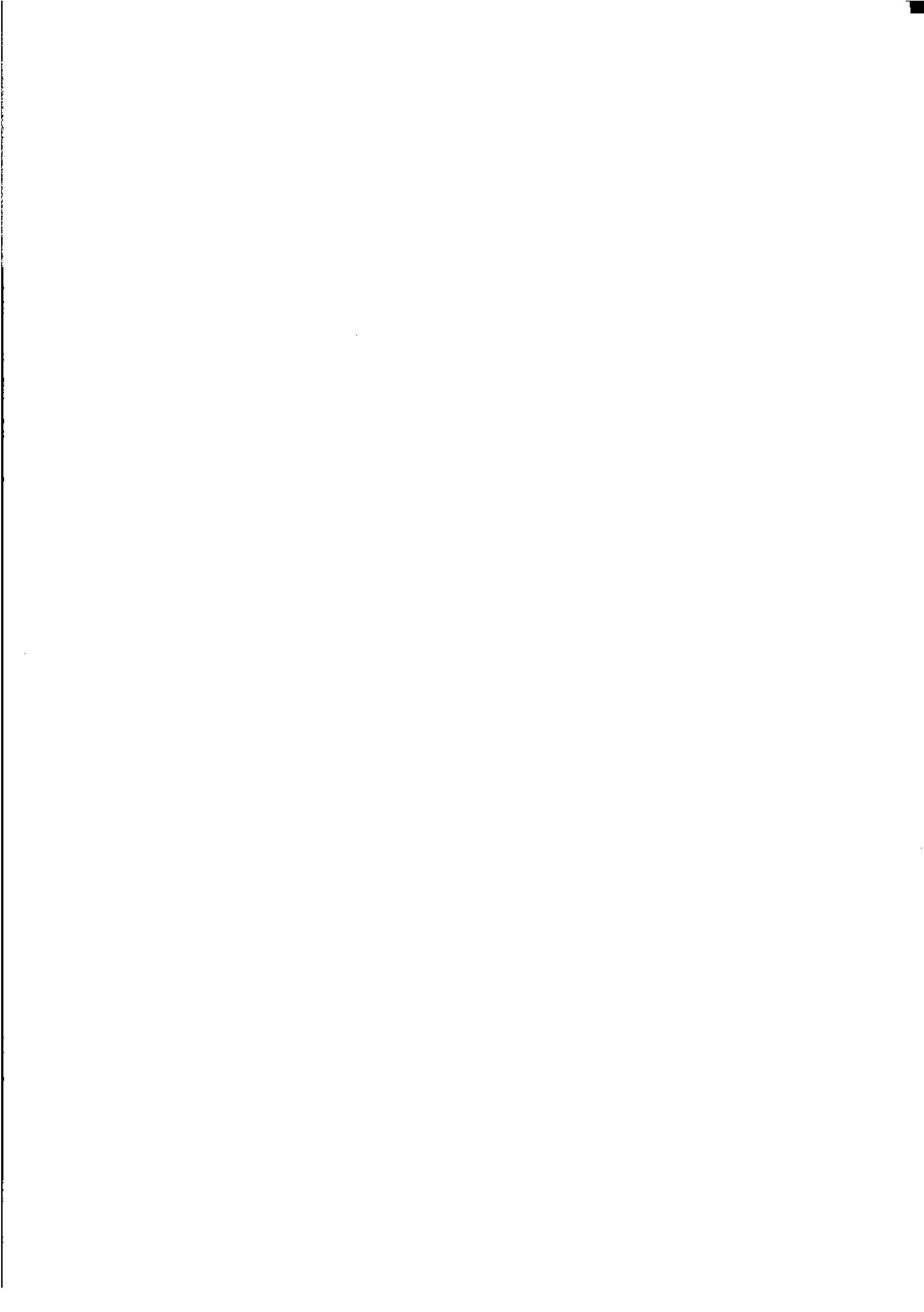
M1 Red meat	Includes veal, pork and buffalo.
M2 Chicken meat	Expressed in the dressed weight of whole birds, pieces and giblets.
M3 Cheese	Includes fresh cheeses such as ricotta, cottage, cream and quark.
M4 Butter	Includes direct butter oil.
M5 Flour of wheat or of meslin	Excludes self raising flour.
M6 Prepared foods from cereals	Prepared foods obtained by the swelling or roasting of cereals or cereal products.
M7 Biscuits	Sweet biscuits and other biscuits, waffles, wafers and ginger bread; excludes dog biscuits.
M8 Chocolate based confectionery	Includes confectionery containing chocolate; excludes chocolate biscuits and chocolate intended for further manufacturing.
M9 Other confectionery	Excludes chocolate based confectionery.
M10 Malt	Includes malt flour.
M11 Beer	Includes ale and stout; excludes low alcohol beer containing less than 1.15% but more than 0.5%, by volume of alcohol.
M12 Tobacco and cigarettes	Includes those containing tobacco substitutes.
M13 Man-made fibre woven fabric	Broadwoven fabric of, or predominantly of, synthetic staple fibres and/or filament.
M14 Cotton woven fabric	Broadwoven fabric of, or predominantly of, cotton; excludes gauze.
M15 Cotton yarn	Of, or predominantly of cotton, reported on a single yarn basis; excludes sewing thread.
M16 Wool yarn	Of, or predominantly of, wool or fine animal hair.
M17 Wool woven fabric	Broadwoven woollen and worsted fabrics of, or predominantly of, wool or fine animal hair.
M18 Textile floor coverings	Consisting of carpets, carpeting (excluding underfelt), floor rugs, mats and matting of, or predominantly of, textile materials.
M19 Footwear	Includes sports and waterproof footwear; excludes thongs.
M21 Newsprint	Excludes directory paper, mechanical and printing paper.
M22 Wood pulp	Expressed as air-dried weight.
M23 Unlaminated particle board	Particle or similar boards of wood or other ligneous materials whether or not for subsequent conversions to other purposes; excludes fibreboard and fibre paperboard.
M25 Paperboard containers	Includes corrugated paperboard and solid paperboard containers.
M26 Automotive gasoline	Produced by Australian refineries from imported and indigenous petroleum.

APPENDIX : Clarification of production item terms *continued*

M27 Fuel oil	Oils derived from the distillation of petroleum which are generally used for domestic heating or fuelling furnaces; produced by Australian refineries from imported and indigenous petroleum.
M28 Aviation turbine fuel	Produced by Australian refineries from imported and indigenous petroleum.
M29 Automotive diesel oil	Produced by Australian refineries from imported and indigenous petroleum.
M30 Plastics in primary forms	Includes liquid, paste, powder, granules, flakes, blocks, irregular shapes, lumps and similar forms.
M31 Rigid PVC tubes, pipes and hoses	Plastic tubes, pipes and hose of rigid polyvinyl chloride.
M32 Polyethylene bottles up to two litres	Plastic bottles of polyethylene, up to and including two litres.
M33 Paint	Includes architectural, decorative and industrial enamels and clears, heavy duty coatings and wood stains; marine coatings are included from January 1995.
M34 Superphosphates	Expressed in terms of single super phosphate (9% P equivalent).
M35 Portland cement	Excludes portland cement clinker and portland cement used to make blended portland cement in-house.
M36 Clay bricks	Saleable bricks removed from kiln; excludes firebricks and bricks for other than structural purposes.
M37 Ready mixed concrete	Excludes production used or for use within the same business.
M38 Basic iron, spiegeleisen and sponge iron	In pigs, blocks and other primary forms; includes pig iron.
M39 Blooms and slabs of iron or steel	Continuous cast; includes steel in the molten state.
M40 Insulated wire	Includes cables and other insulated electrical conductors; excludes coaxial cables and automotive low voltage wire and ignition wiring sets.
M41 Cars and station wagons	Cars and station wagons for less than 10 persons; excludes mini-buses, passenger mini-vans.
M42 Vehicles for goods and materials	Excludes off-highway trucks, fork lift trucks and semi-trailers.
M43 Telephones	Excludes keyphones.
M44 Domestic refrigerators	One and two door models, includes combination refrigerator freezers.
M45 Water heaters	Includes solar.
M46 Domestic clothes washing machines	Of a dry linen capacity not exceeding 10 kg.
M47 Electric motors	Includes direct current generators; excludes motors and generators for motor vehicles and aircraft.
M48 Electricity	Excludes purchases or transfers in of electricity.

APPENDIX : Clarification of production item terms *continued*

M49	Gas	Gas available for issue through mains, including natural gas.
Q1	Men's and boys' long trousers	Excludes jeans and waterproof trousers and trousers made as part of a complete suit.
Q2	Women's and girls' long trousers	Excludes jeans and waterproof trousers.
Q3	Jeans	Men's, women's, boys' and girls' jeans; excludes shorts.
Q4	Men's and boys' shirts	Excludes sweatshirts and nightshirts.
Q5	Women's shirts and blouses	Excludes sweatshirts and nightshirts.
Q6	Undressed sawn timber	Expressed in terms of green off saw volumes.
Q7	Hardwood woodchips	Expressed as greenweight; excludes chips which are not sold or are used in own works.
Q8	Alumina	Aluminium oxide.
Q9	Zinc	Primary origin only.
Q10	Silver	Refined.
Q11	Copper	Primary origin only.
Q12	Lead	Includes lead content of lead from primary sources.
Q13	Tin	Primary origin only.
Q14	Gold	From primary and secondary sources.



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