

**MANUFACTURING PRODUCTION, AUSTRALIA
APRIL 1995**

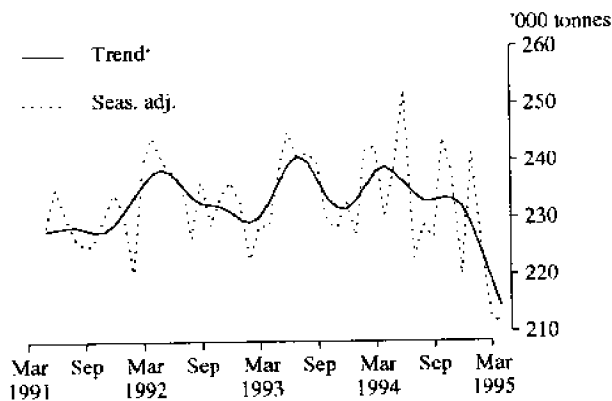
NOTES

This publication presents monthly and quarterly estimates of selected major indicators of manufacturing production for Australia. In this issue the seasonally adjusted estimates of production for footwear (excluding sports footwear), sports footwear, paper, newsprint, and wood pulp have been revised and new seasonal factors calculated. Please refer to the Explanatory Notes at the back of this publication.

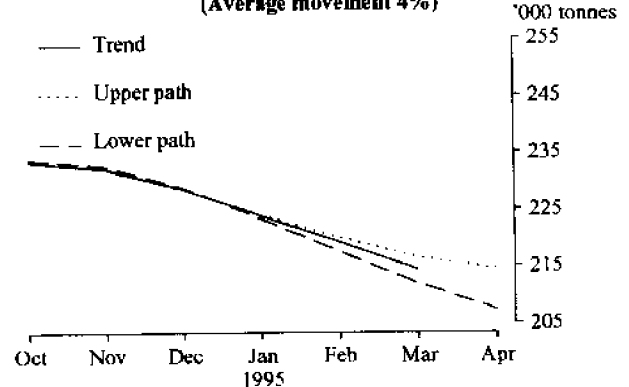
W. McLennan
Australian Statistician

PRODUCTION STATISTICS, AUSTRALIA : LONGER TERM TRENDS AND SHORT TERM SENSITIVITY ANALYSIS

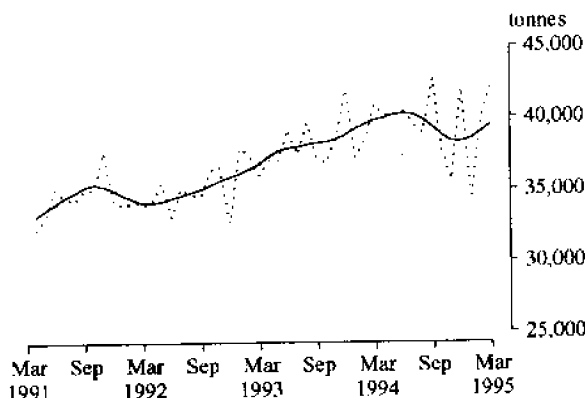
M1. RED MEAT



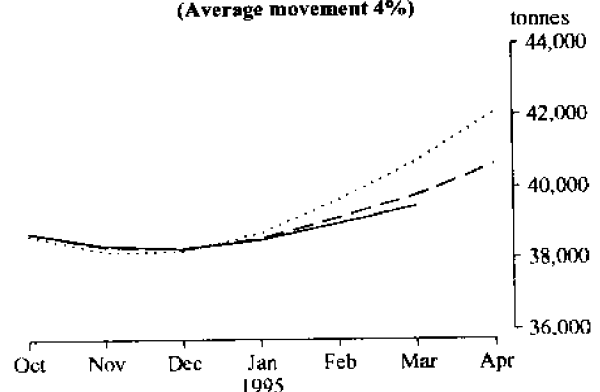
**M1. RED MEAT
(Average movement 4%)**



M2. CHICKEN MEAT



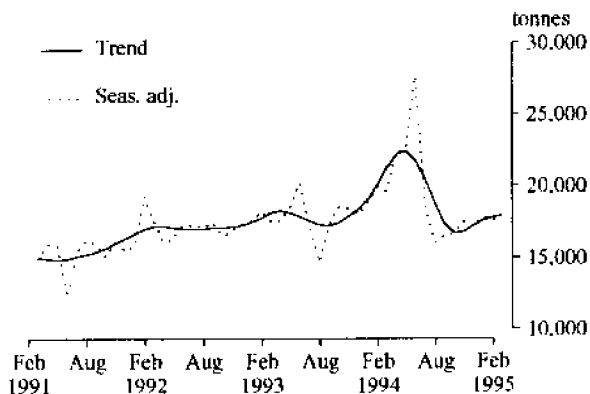
**M2. CHICKEN MEAT
(Average movement 4%)**



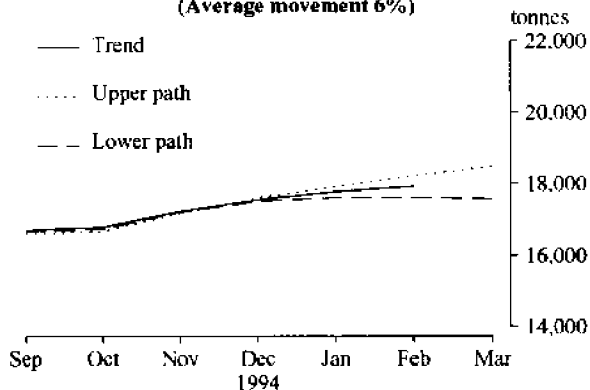
INQUIRIES

. for further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS office.
. for information about other ABS statistics and services please refer to the back page of this publication.

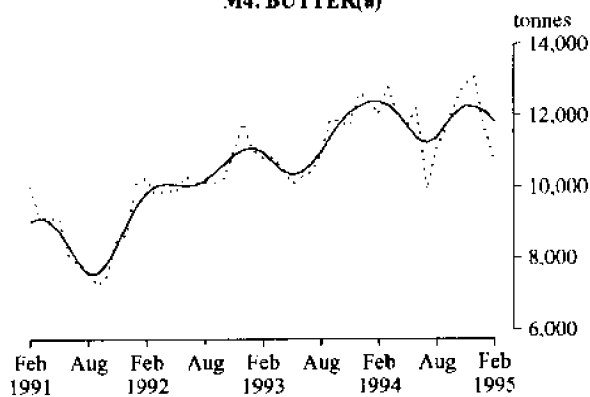
M3. CHEESE(a)



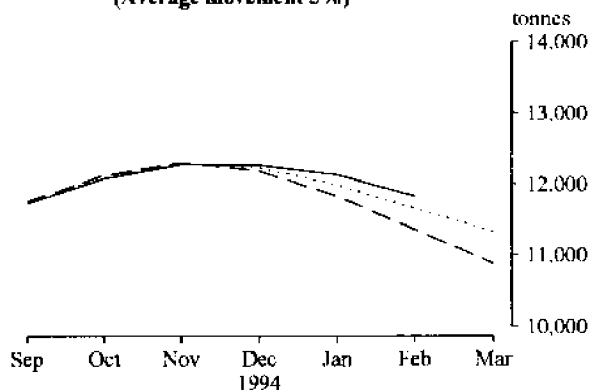
M3. CHEESE(a)
(Average movement 6%)



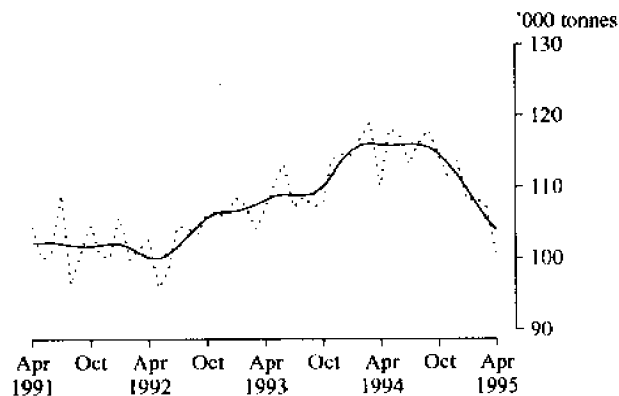
M4. BUTTER(a)



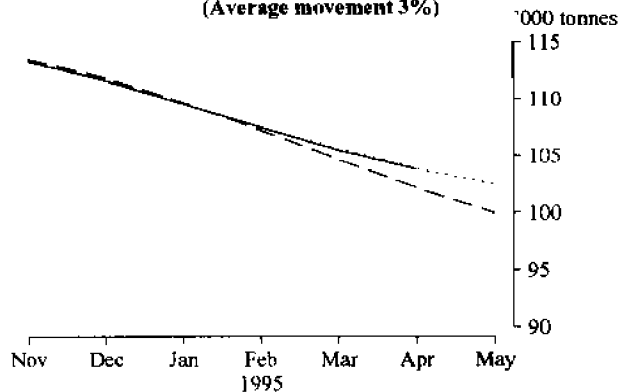
M4. BUTTER(a)
(Average movement 5%)



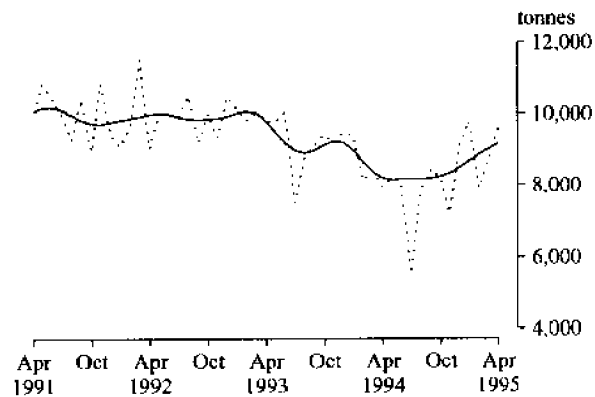
M5. FLOUR OF WHEAT OR OF MESLIN



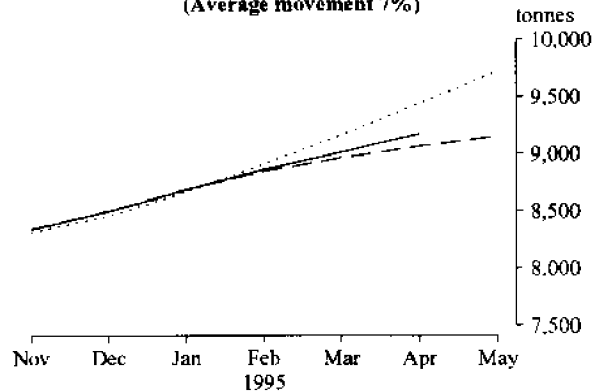
M5. FLOUR OF WHEAT OR OF MESLIN
(Average movement 3%)



M6. PREPARED FOOD FROM CEREALS

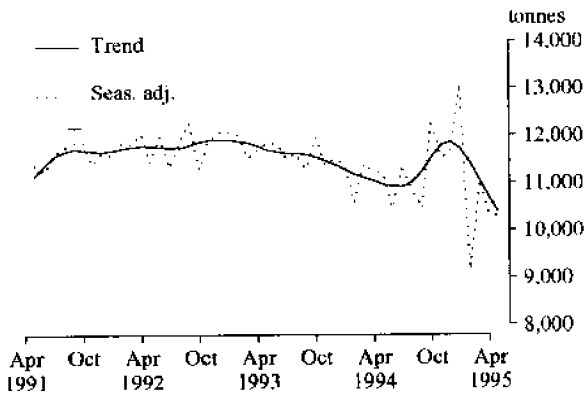


M6. PREPARED FOOD FROM CEREALS
(Average movement 7%)

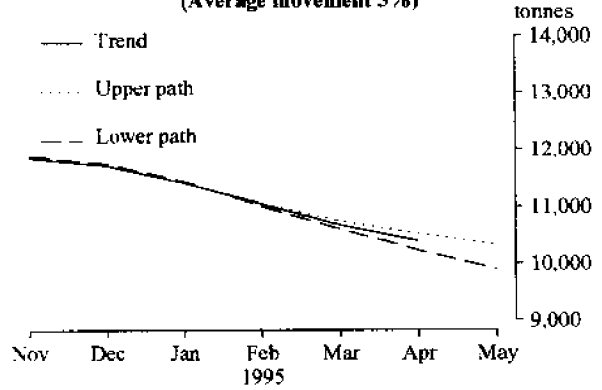


For footnote see end of tables.

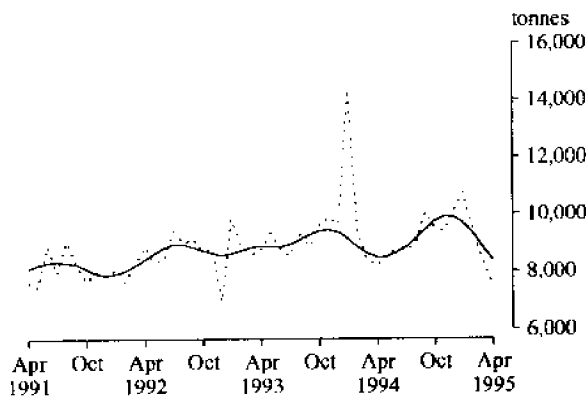
M7. BISCUITS



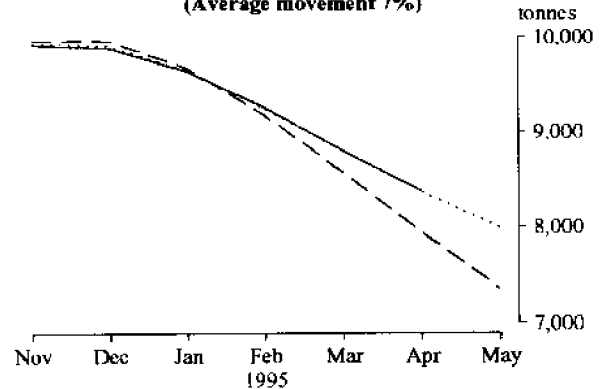
M7. BISCUITS
(Average movement 5%)



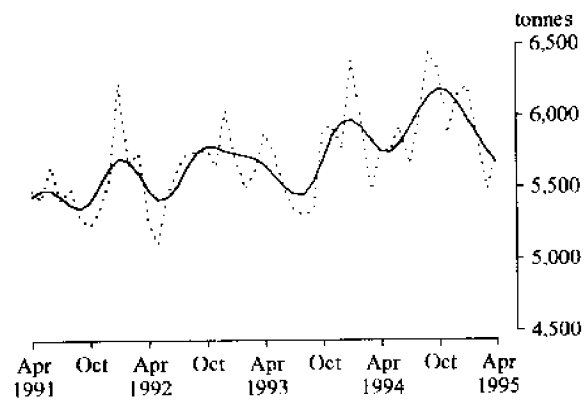
M8. CHOCOLATE BASED CONFECTIONERY



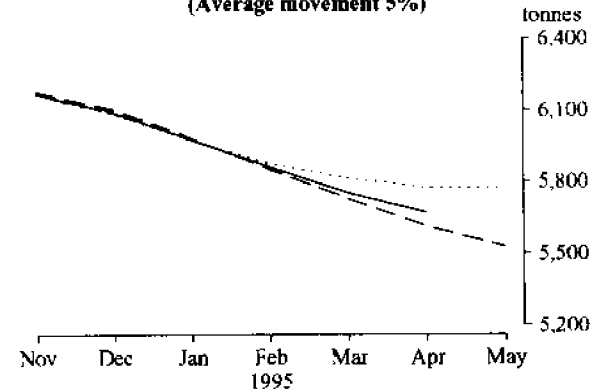
M8. CHOCOLATE BASED CONFECTIONERY
(Average movement 7%)



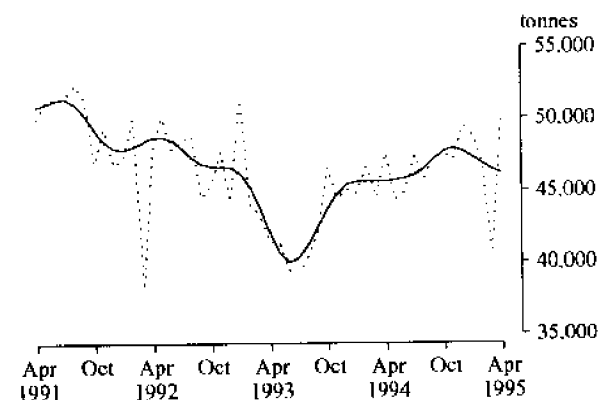
M9. OTHER CONFECTIONERY



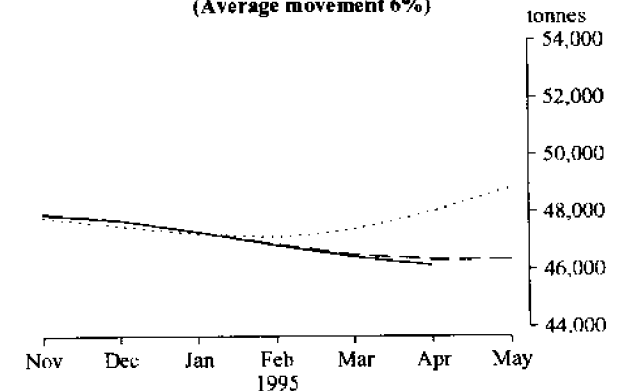
M9. OTHER CONFECTIONERY
(Average movement 5%)



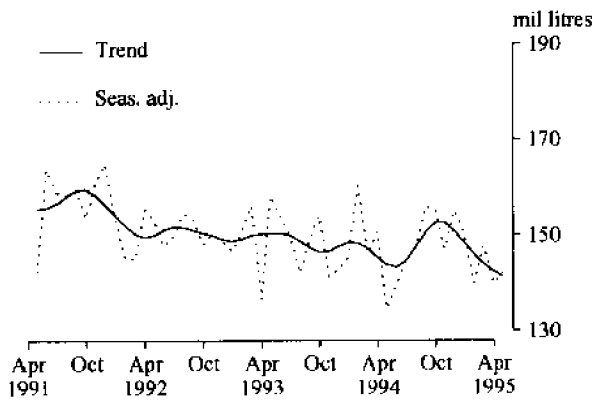
M10. MALT



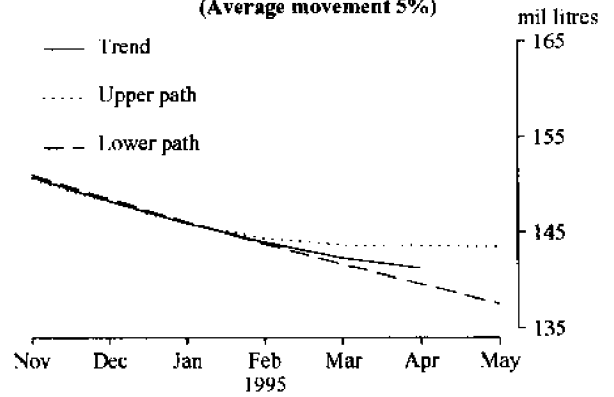
M10. MALT
(Average movement 6%)



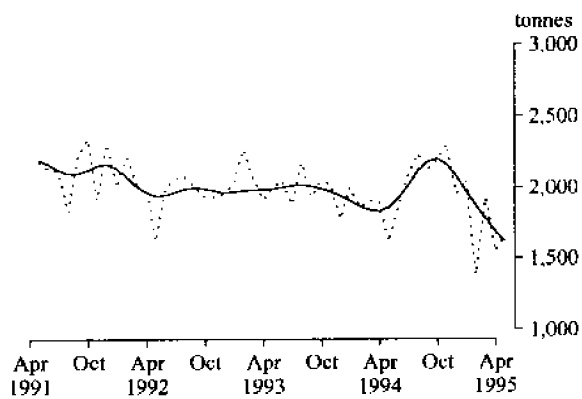
M11. BEER



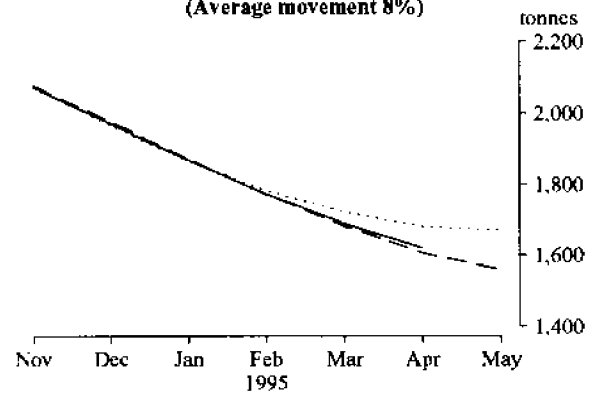
M11. BEER
(Average movement 5%)



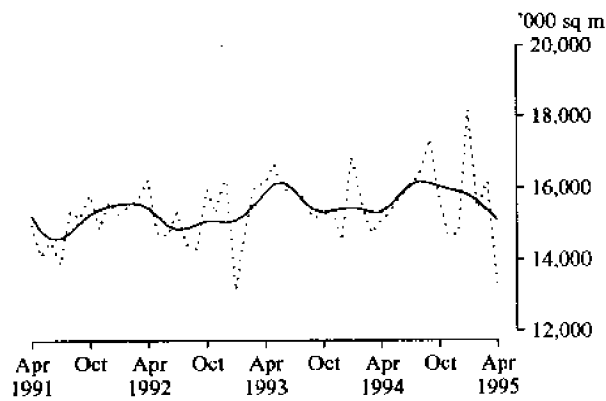
M12. TOBACCO AND CIGARETTES(b)



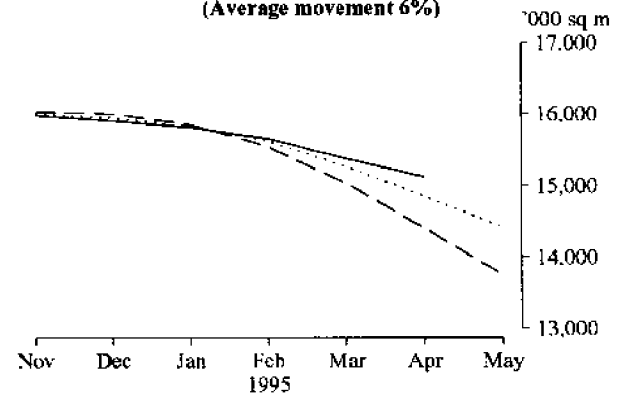
M12. TOBACCO AND CIGARETTES(b)
(Average movement 8%)



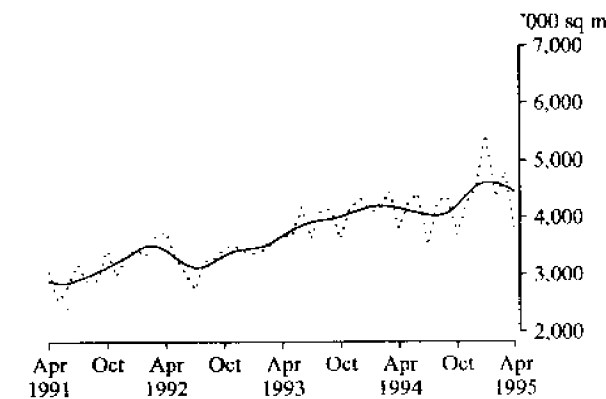
M13. MAN-MADE FIBRE WOVEN FABRIC



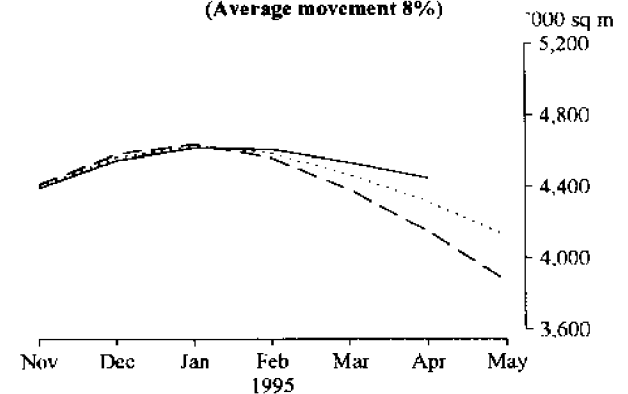
M13. MAN-MADE FIBRE WOVEN FABRIC
(Average movement 6%)



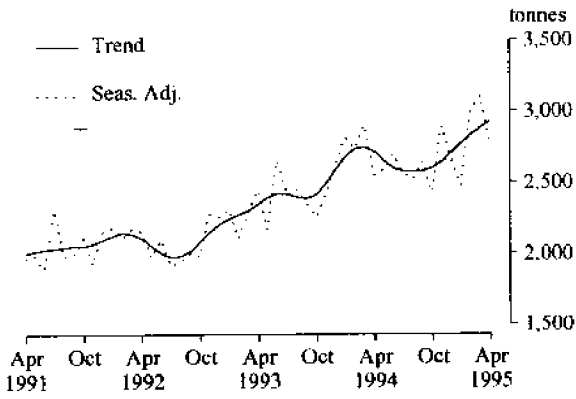
M14. COTTON WOVEN FABRIC



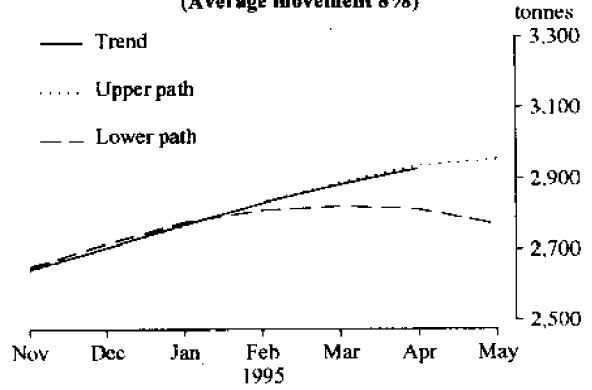
M14. COTTON WOVEN FABRIC
(Average movement 8%)



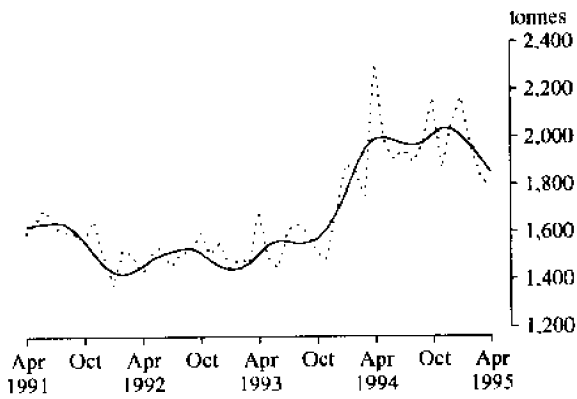
M15. COTTON YARN



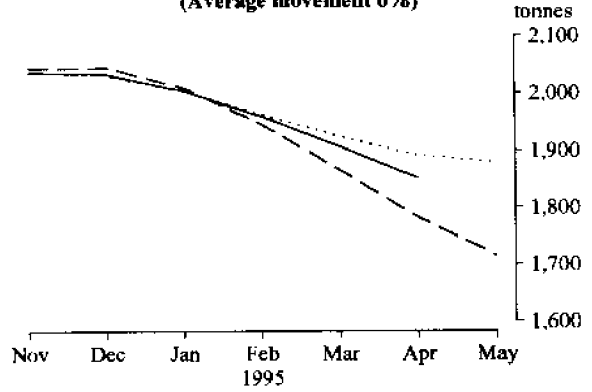
M15. COTTON YARN
(Average movement 8%)



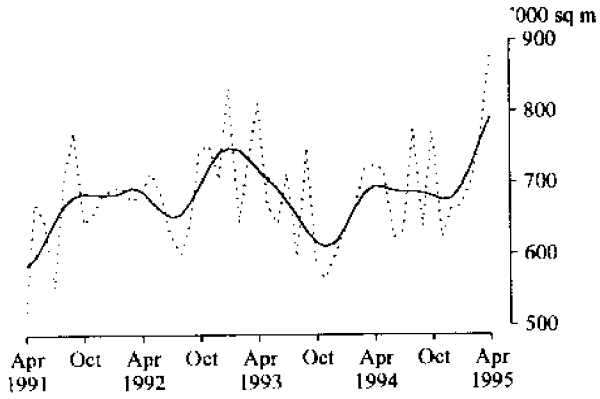
M16. WOOL YARN



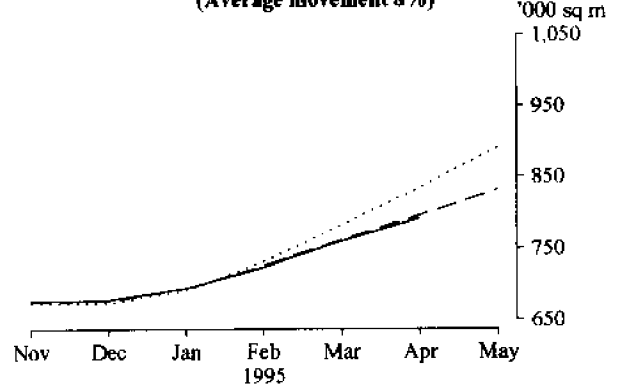
M16. WOOL YARN
(Average movement 6%)



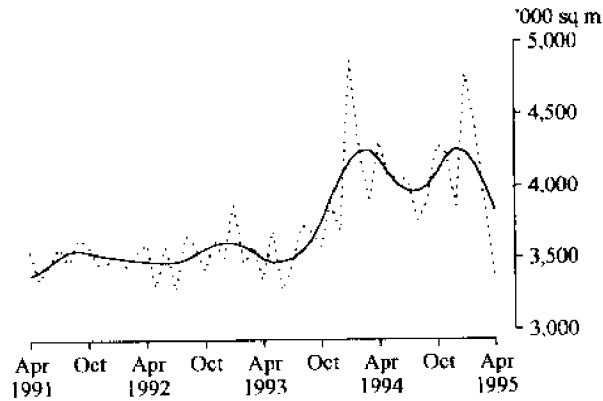
M17. WOOL WOVEN FABRIC



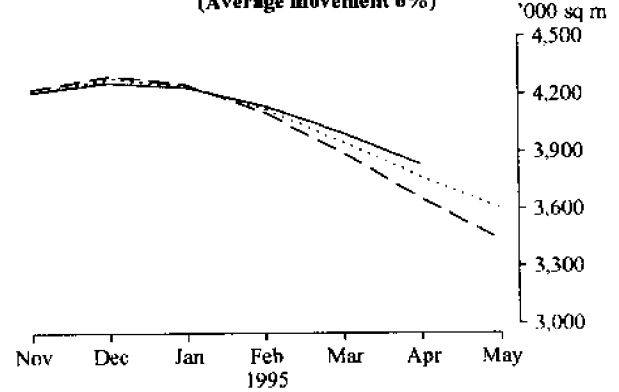
M17. WOOL WOVEN FABRIC
(Average movement 8%)



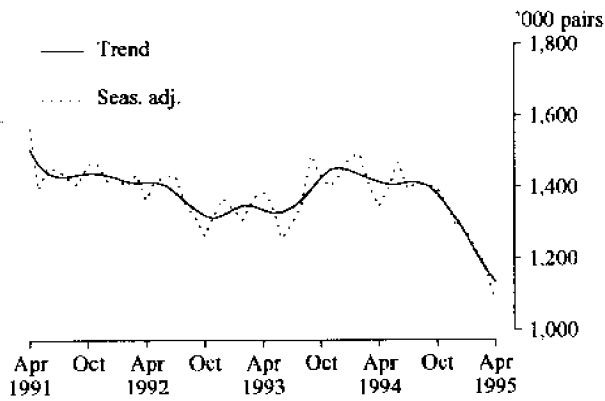
M18. TEXTILE FLOOR COVERINGS



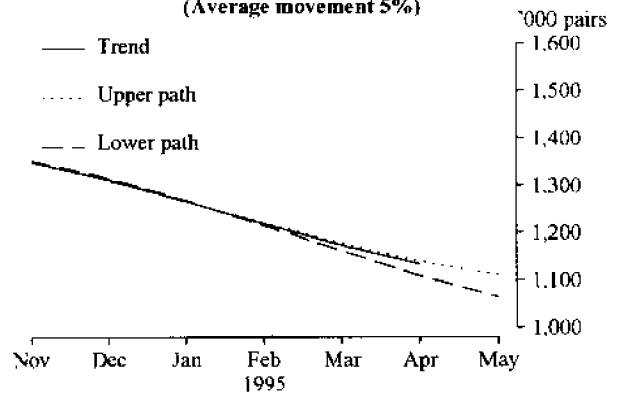
M18. TEXTILE FLOOR COVERINGS
(Average movement 6%)



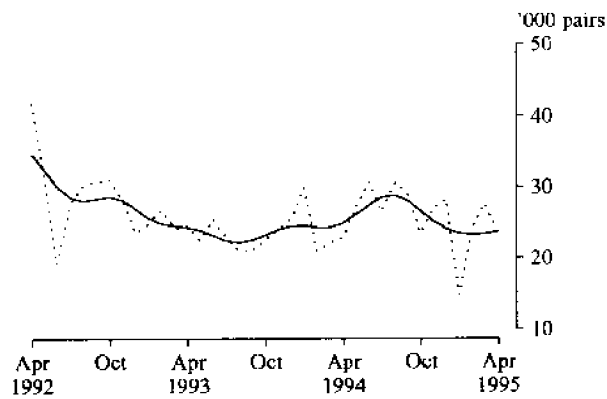
M19. FOOTWEAR



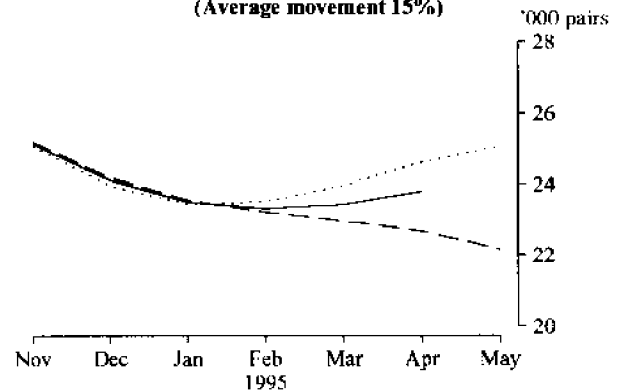
M19. FOOTWEAR
(Average movement 5%)



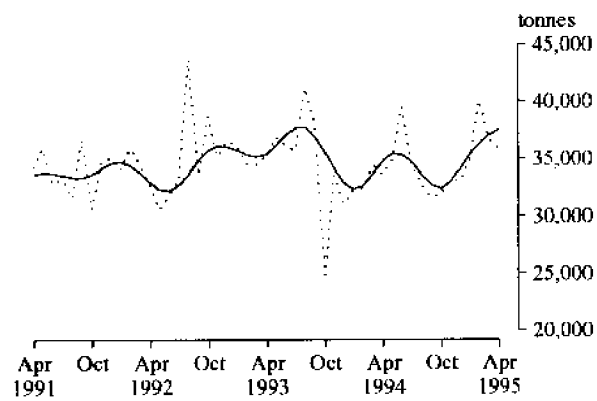
M20. SPORTS FOOTWEAR



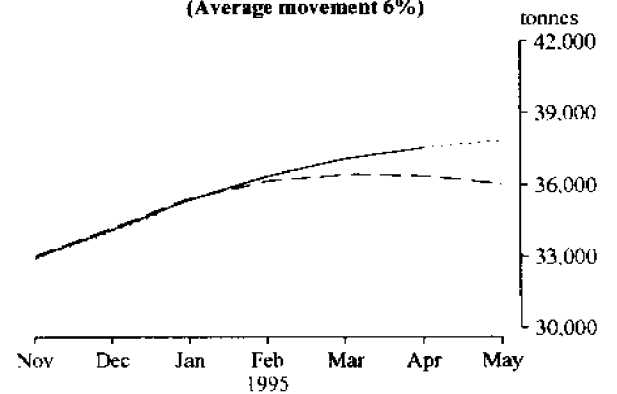
M20. SPORTS FOOTWEAR
(Average movement 15%)



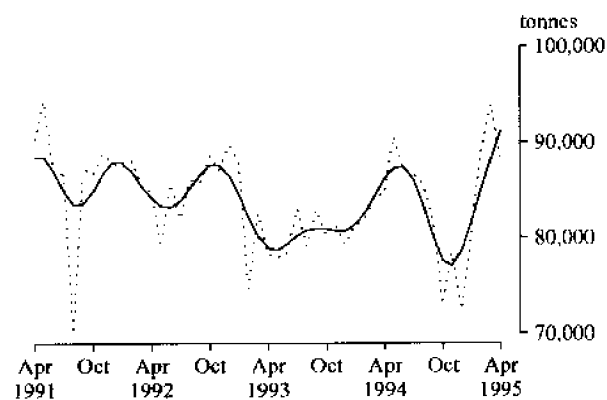
M21. NEWSPRINT



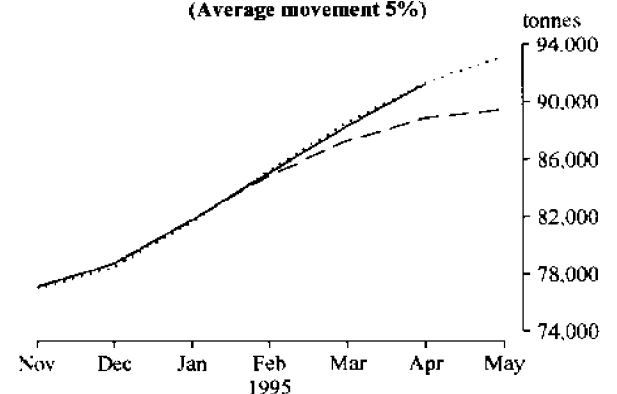
M21. NEWSPRINT
(Average movement 6%)



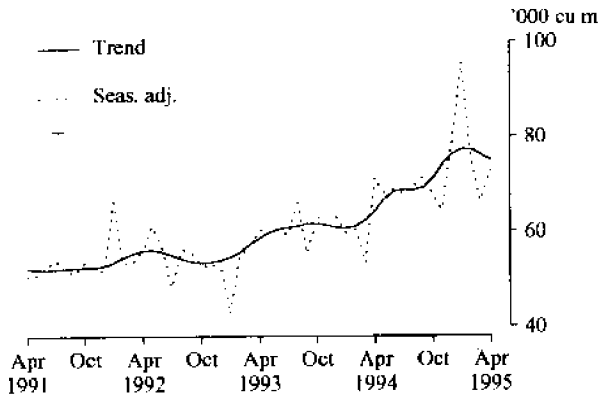
M22. WOOD PULP



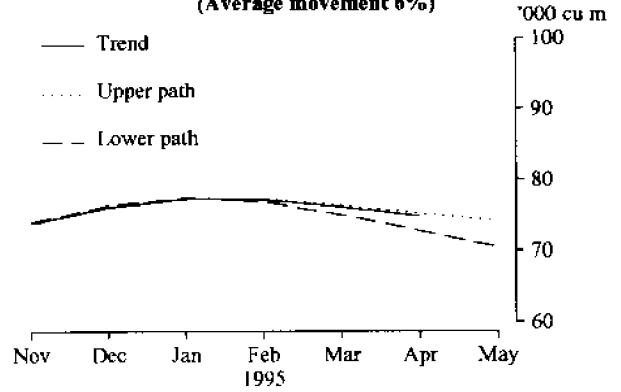
M22. WOOD PULP
(Average movement 5%)



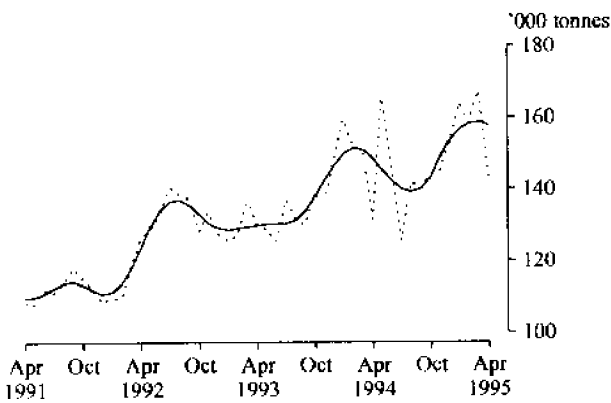
M23. UNLAMINATED PARTICLE BOARD



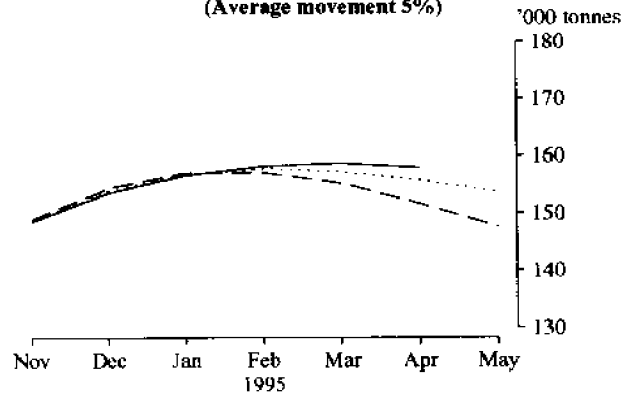
M23. UNLAMINATED PARTICLE BOARD
(Average movement 6%)



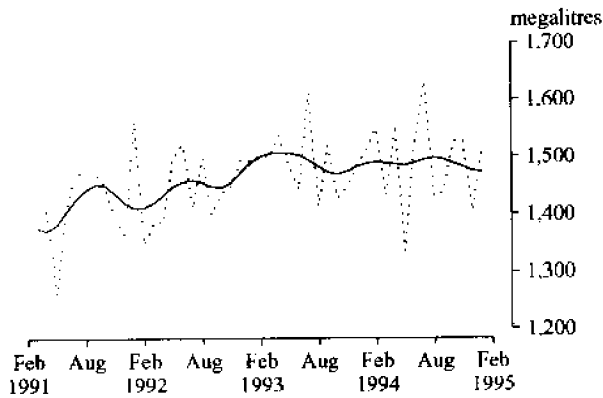
M24. PAPER



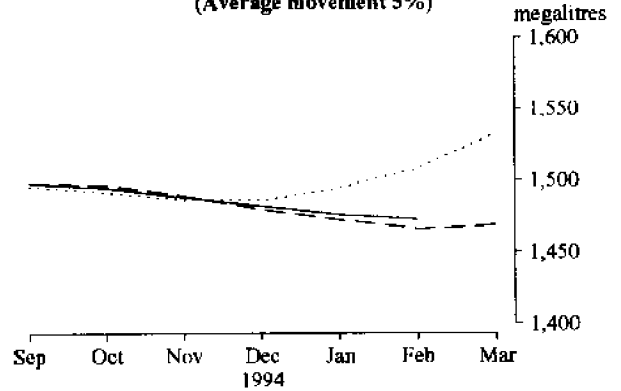
M24. PAPER
(Average movement 5%)



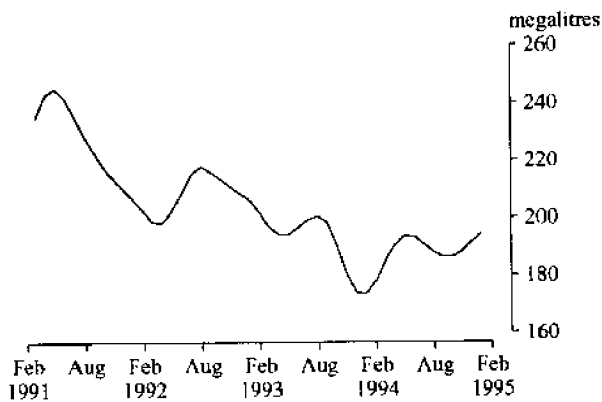
M26. AUTOMOTIVE GASOLINE(c)



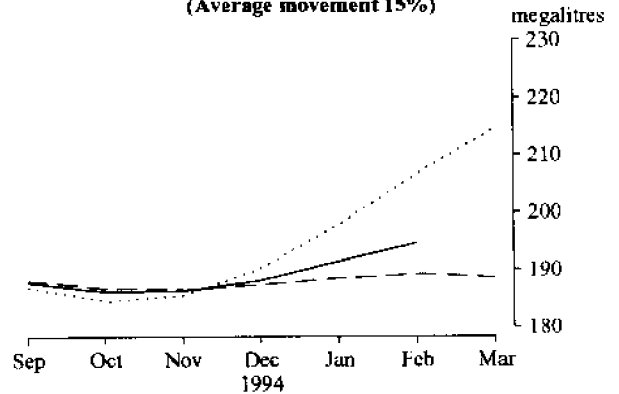
M26. AUTOMOTIVE GASOLINE(c)
(Average movement 5%)

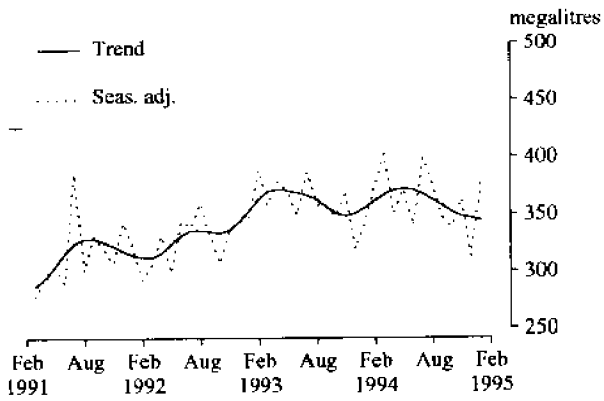
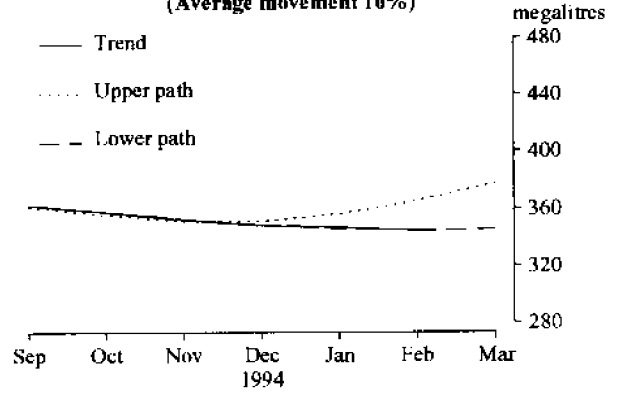
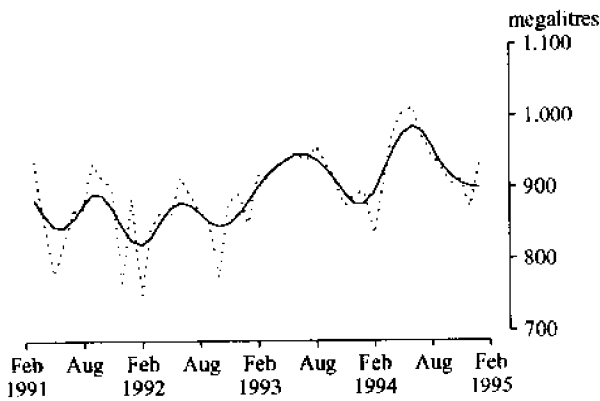
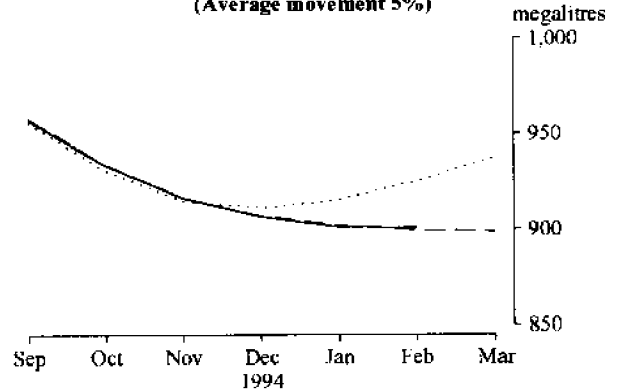
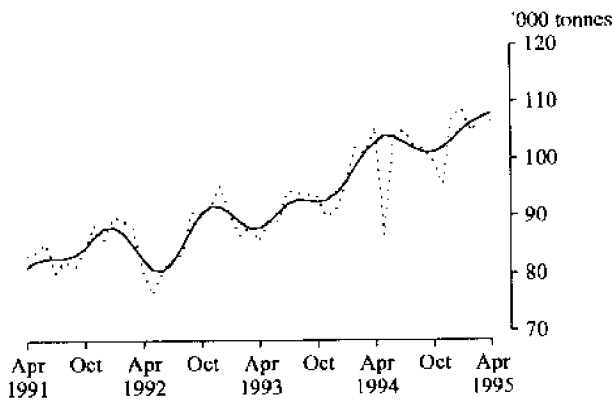
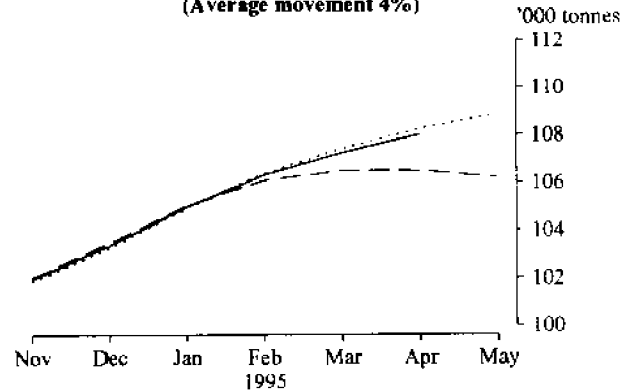
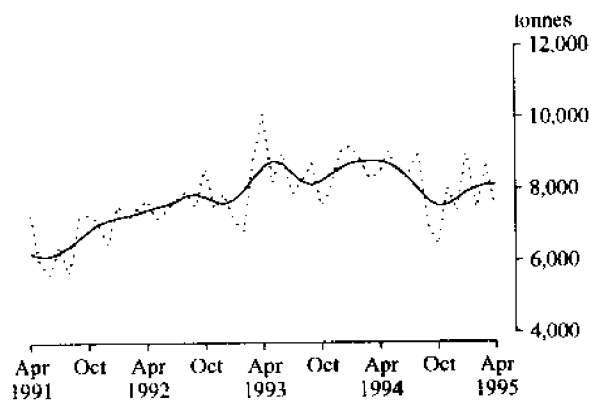
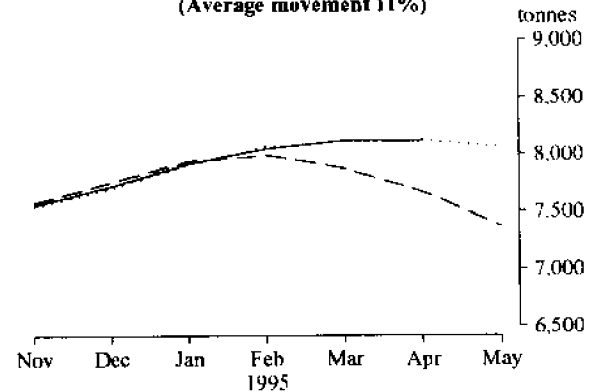


M27. FUEL OIL(c)

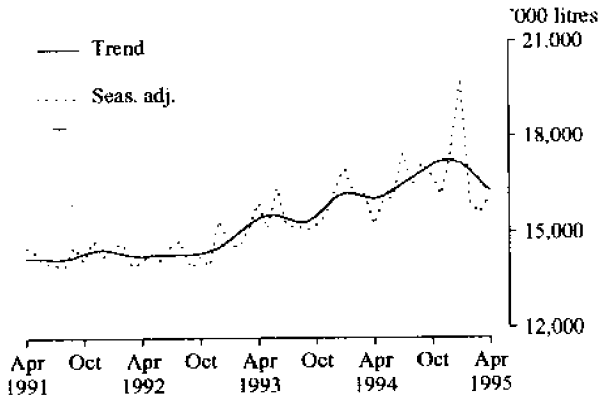


M27. FUEL OIL(c)
(Average movement 15%)

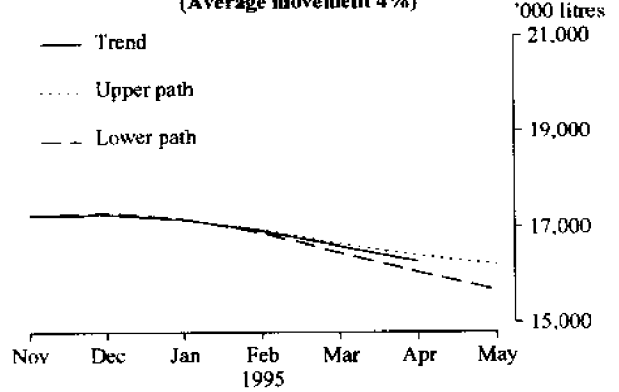


M28. AVIATION TURBINE FUEL.(c)**M28. AVIATION TURBINE FUEL.(c)**
(Average movement 10%)**M29. AUTOMOTIVE DIESEL OIL.(c)****M29. AUTOMOTIVE DIESEL OIL.(c)**
(Average movement 5%)**M30. PLASTICS IN PRIMARY FORMS****M30. PLASTICS IN PRIMARY FORMS**
(Average movement 4%)**M31. RIGID PVC TUBES, PIPES AND HOSES****M31. RIGID PVC TUBES, PIPES AND HOSES**
(Average movement 11%)

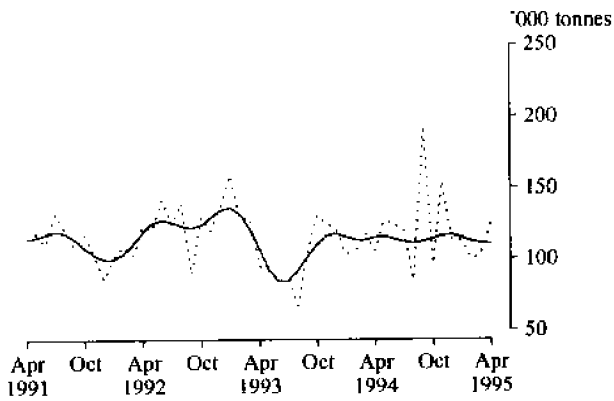
M33. PAINT



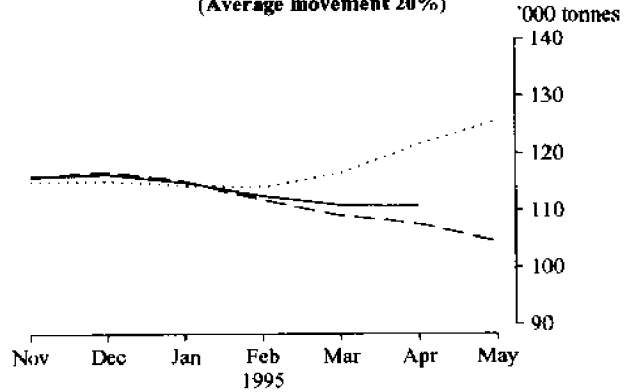
M33. PAINT
 (Average movement 4%)



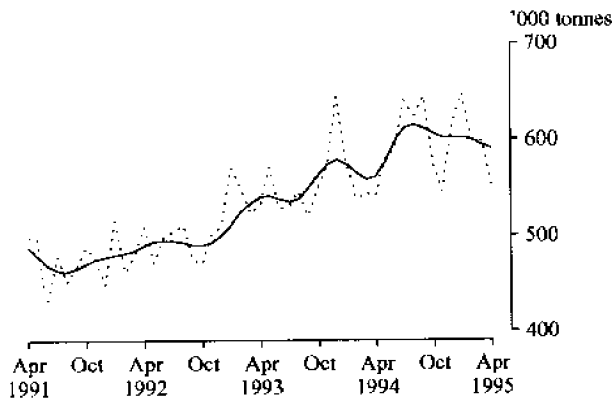
M34. SUPERPHOSPHATES



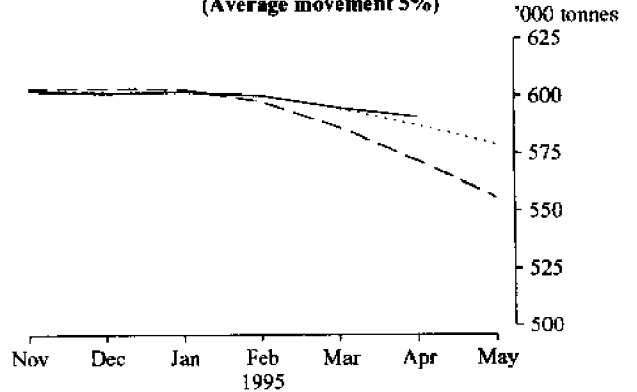
M34. SUPERPHOSPHATES
 (Average movement 20%)



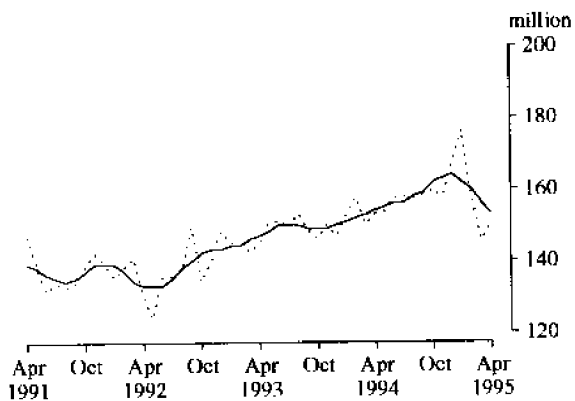
M35. PORTLAND CEMENT



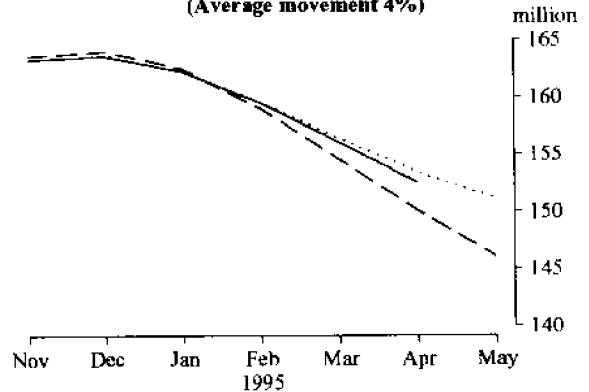
M35. PORTLAND CEMENT
 (Average movement 5%)



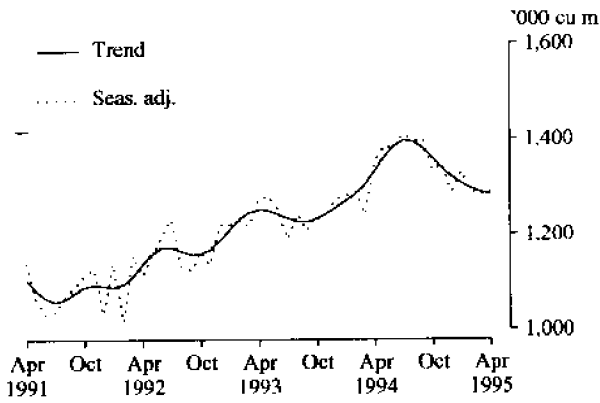
M36. CLAY BRICKS



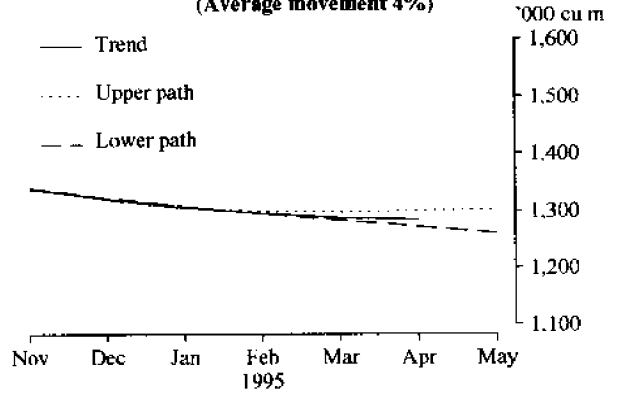
M36. CLAY BRICKS
 (Average movement 4%)



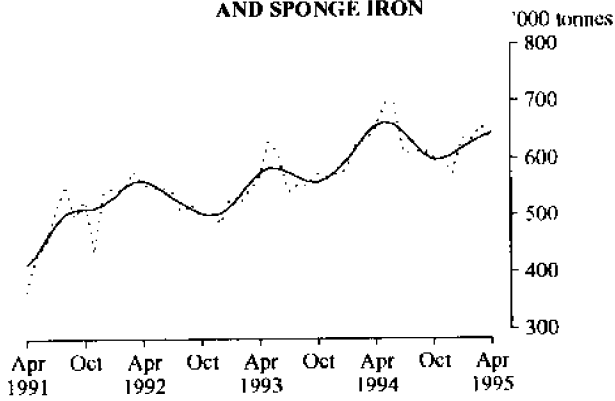
M37. READY MIXED CONCRETE



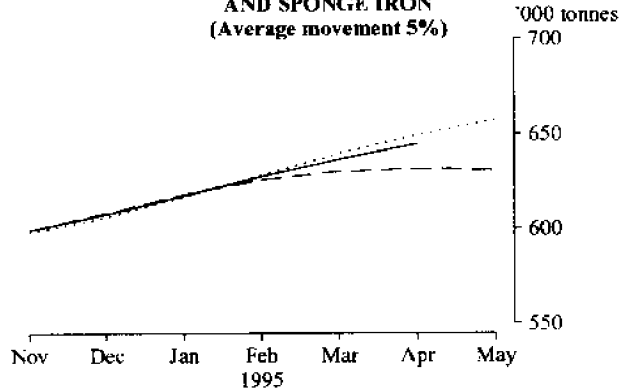
M37. READY MIXED CONCRETE
(Average movement 4%)



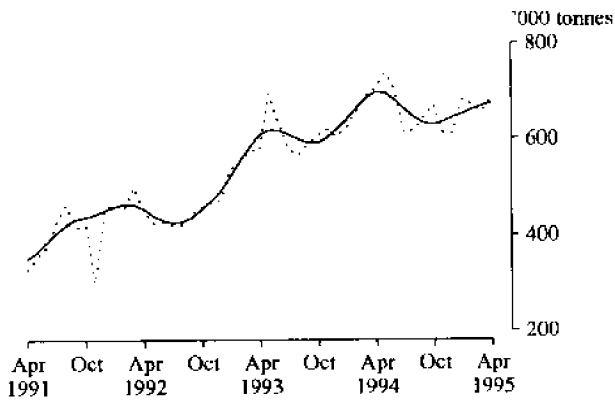
M38. BASIC IRON, SPIEGELEISEN AND SPONGE IRON



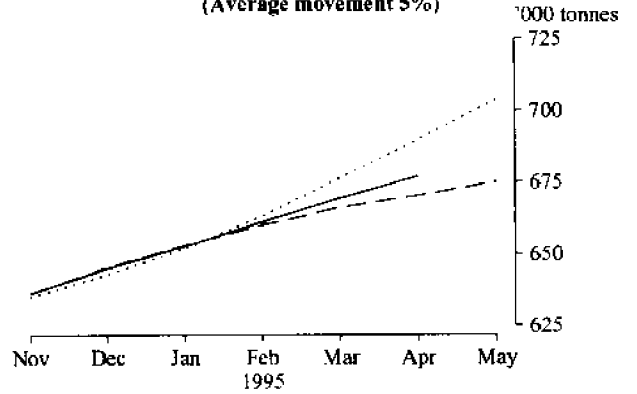
M38. BASIC IRON, SPIEGELEISEN AND SPONGE IRON
(Average movement 5%)



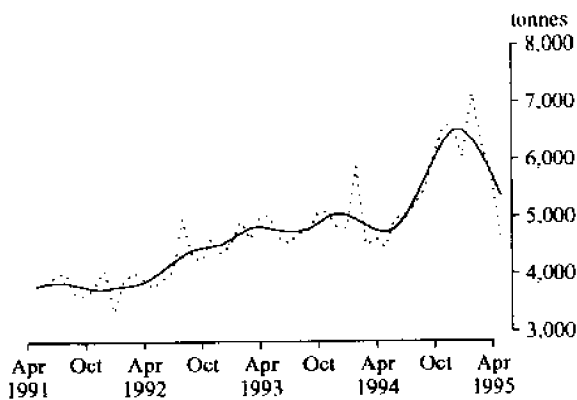
M39. BLOOMS AND SLABS



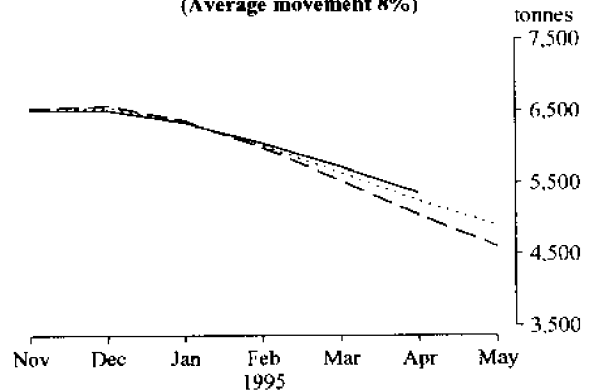
M39. BLOOMS AND SLABS
(Average movement 5%)



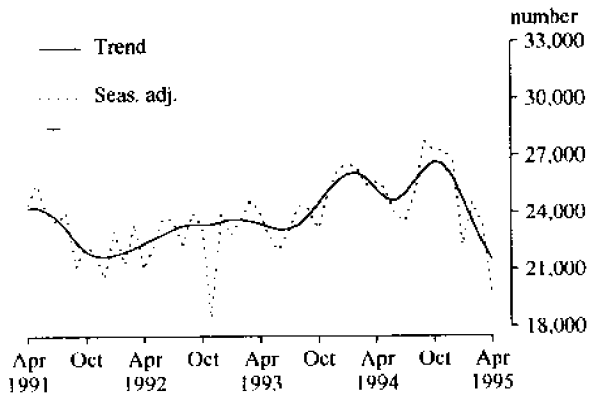
M40. INSULATED WIRE



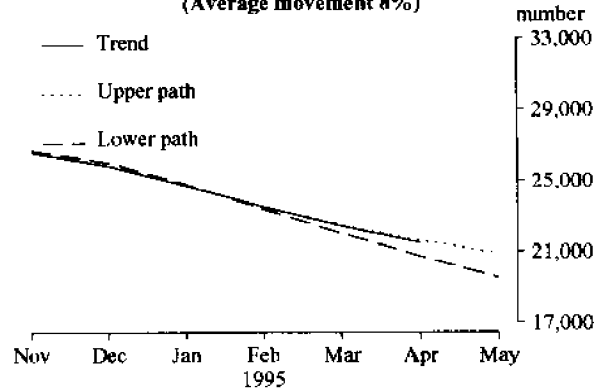
M40. INSULATED WIRE
(Average movement 8%)



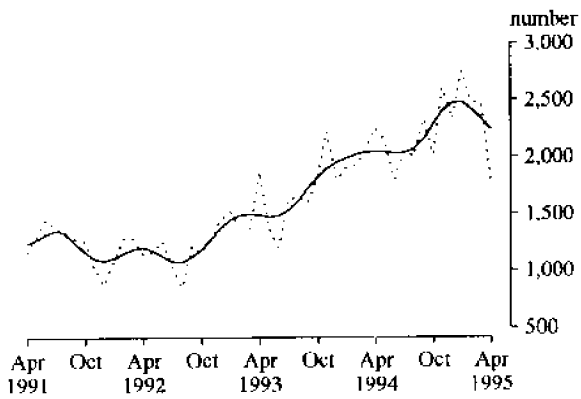
M41. CARS AND STATION WAGONS



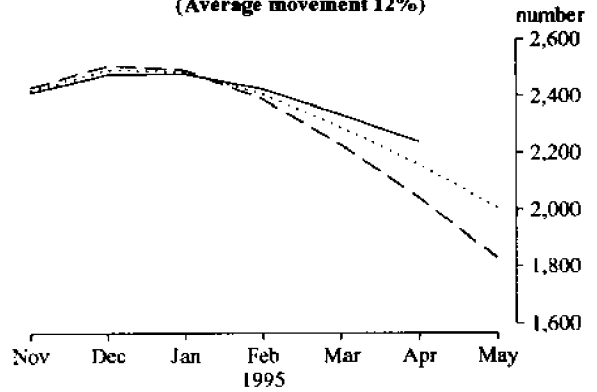
M41. CARS AND STATION WAGONS
(Average movement 8%)



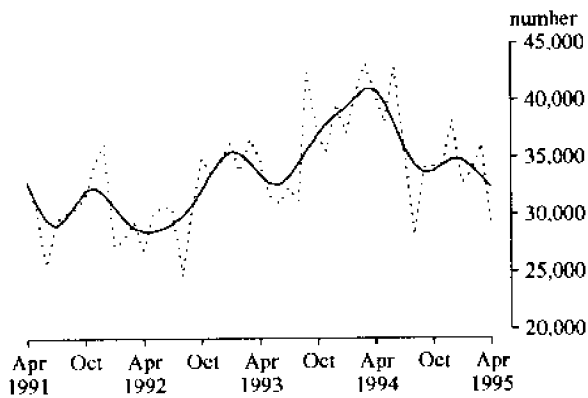
M42. VEHICLES FOR GOODS AND MATERIALS



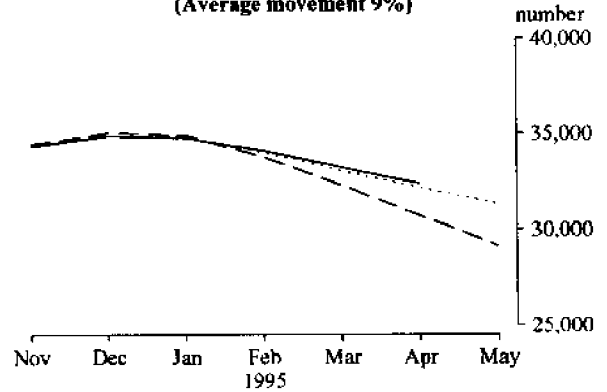
M42. VEHICLES FOR GOODS AND MATERIALS
(Average movement 12%)



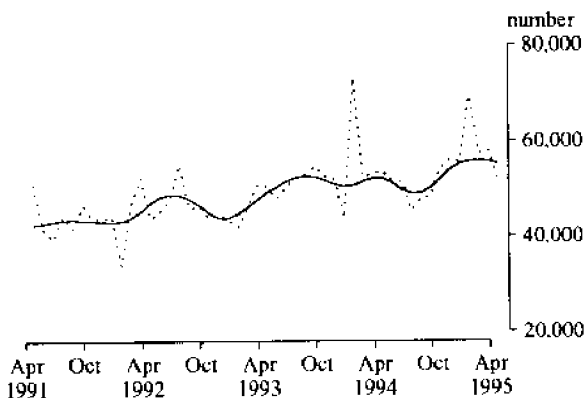
M44. DOMESTIC REFRIGERATORS



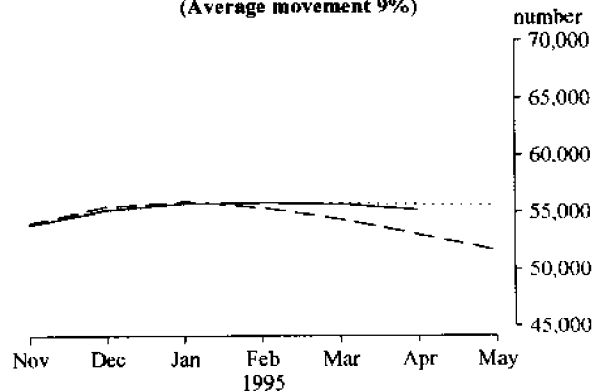
M44. DOMESTIC REFRIGERATORS
(Average movement 9%)



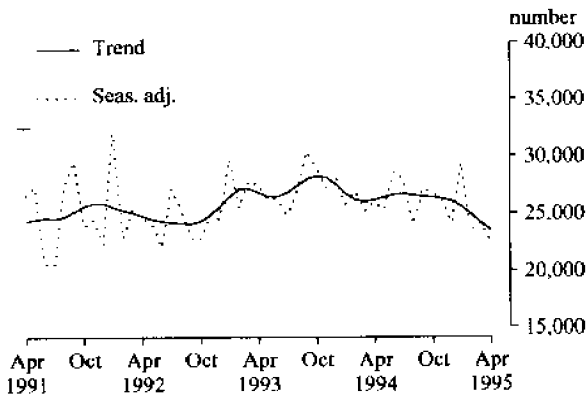
M45. HOT WATER HEATERS



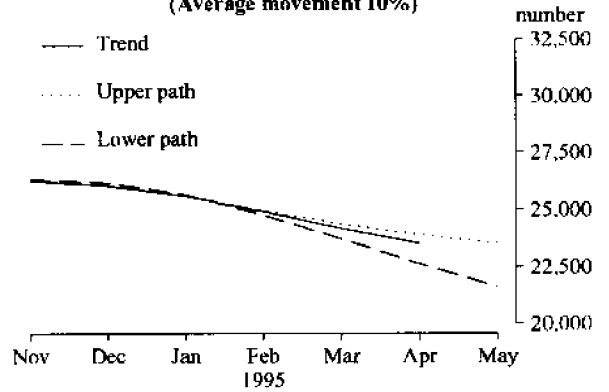
M45. HOT WATER HEATERS
(Average movement 9%)



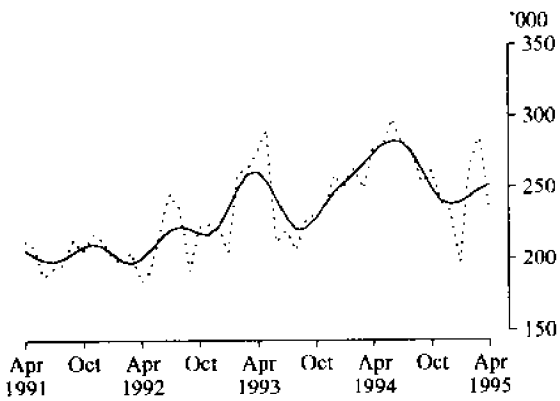
M46. CLOTHES WASHING MACHINES, DOMESTIC



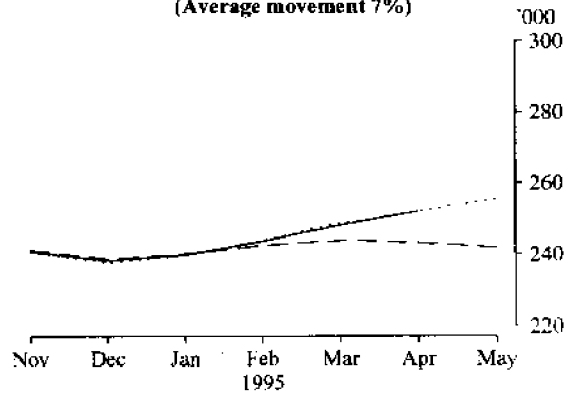
M46. CLOTHES WASHING MACHINES, DOMESTIC
(Average movement 10%)



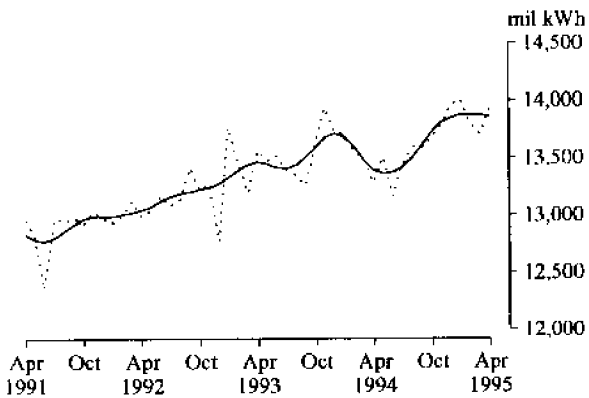
M47. ELECTRIC MOTORS



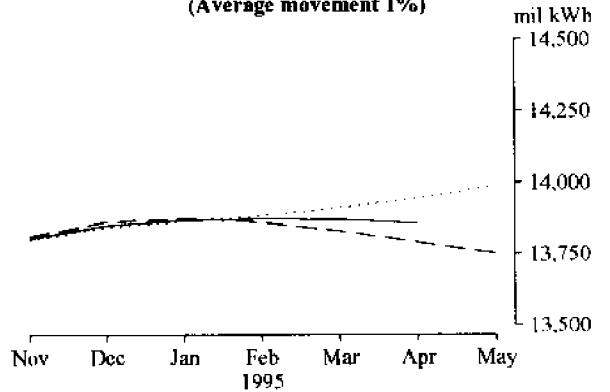
M47. ELECTRIC MOTORS
(Average movement 7%)



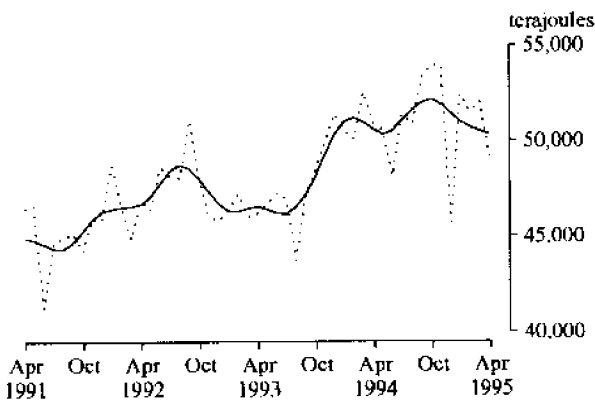
M48. ELECTRICITY



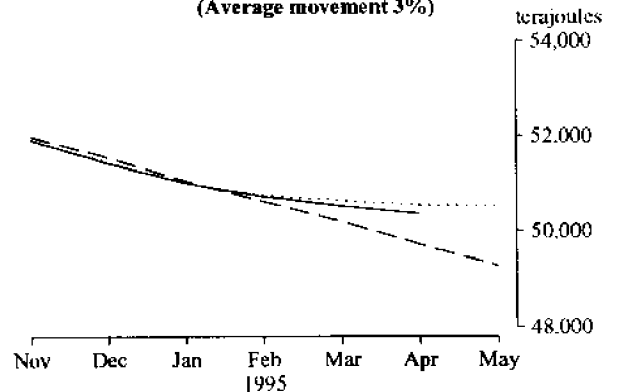
M48. ELECTRICITY
(Average movement 1%)



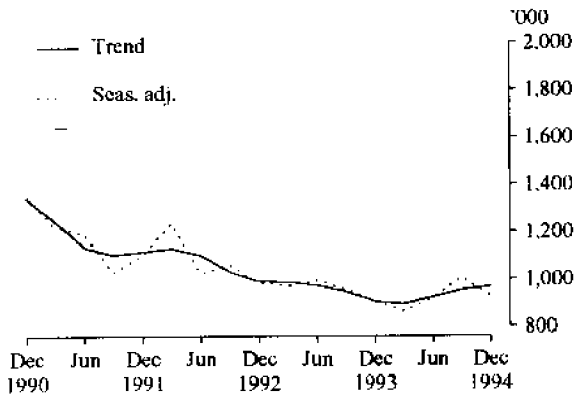
M49. GAS



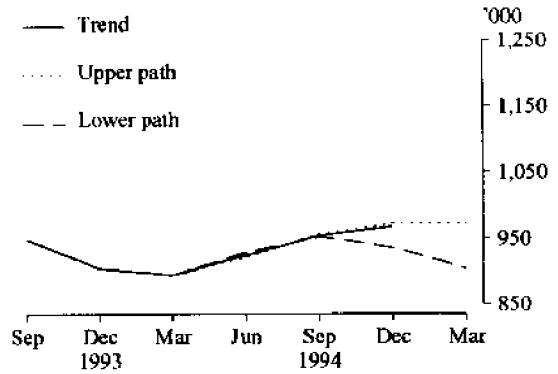
M49. GAS
(Average movement 3%)



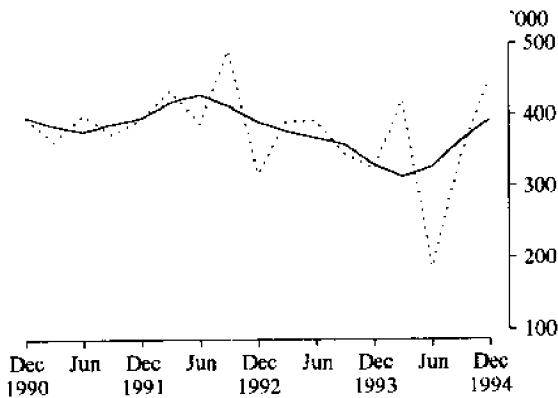
Q1. MEN'S AND BOYS' TROUSERS



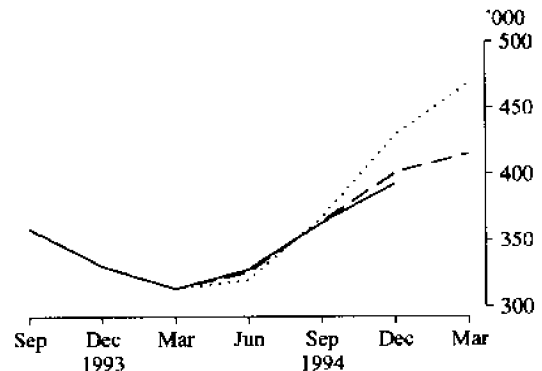
Q1. MEN'S AND BOYS' TROUSERS
(Average movement 7%)



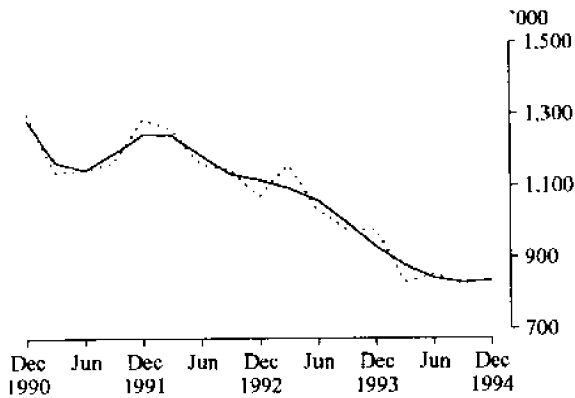
Q2. WOMEN'S AND GIRLS' LONG TROUSERS



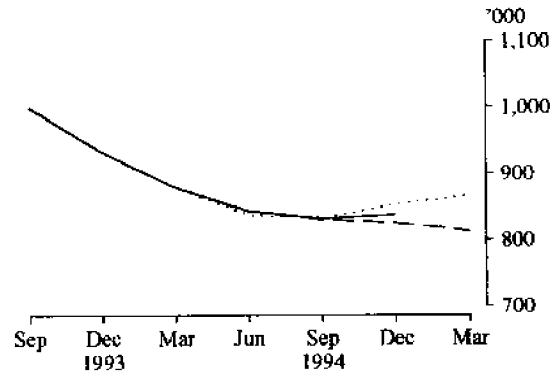
Q2. WOMEN'S AND GIRLS' LONG TROUSERS
(Average movement 11%)



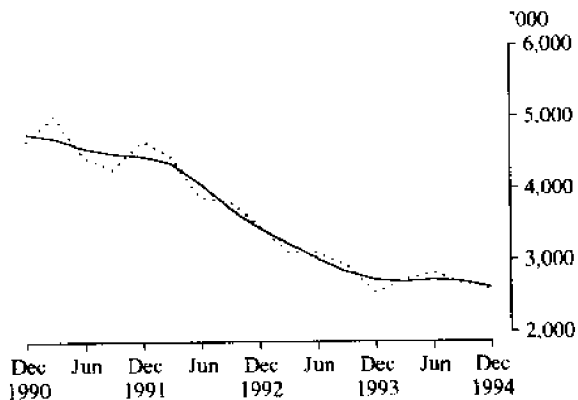
Q3. JEANS



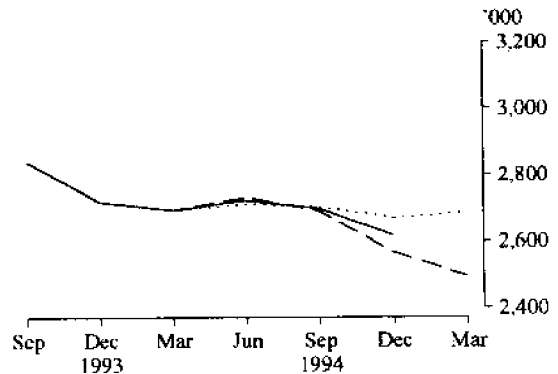
Q3. JEANS
(Average movement 6%)



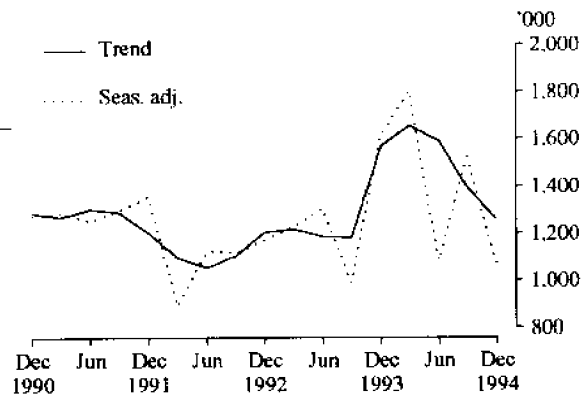
Q4. MEN'S SHIRTS



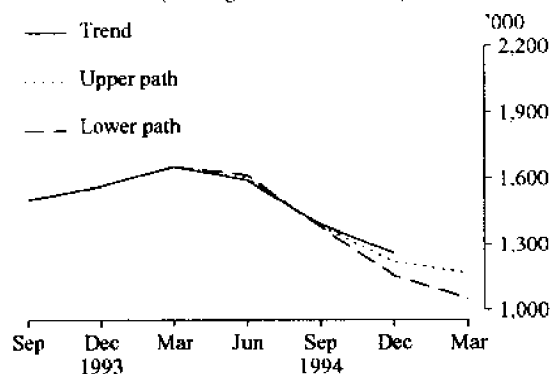
Q4. MEN'S SHIRTS
(Average movement 7%)



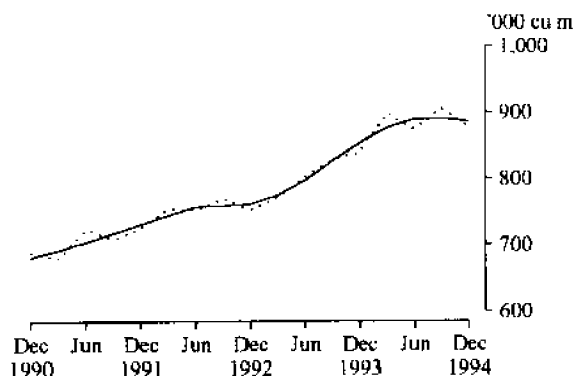
Q5. WOMEN'S SHIRTS AND BLOUSES



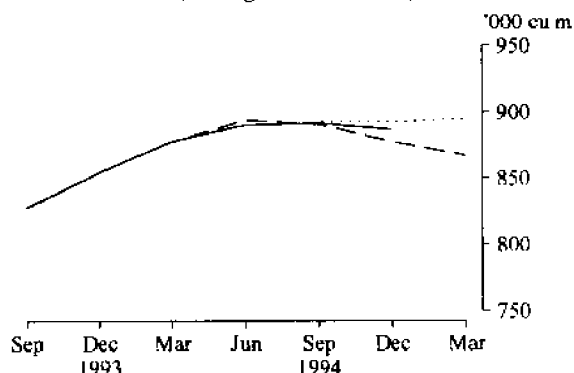
Q5. WOMEN'S SHIRTS AND BLOUSES
(Average movement 11%)



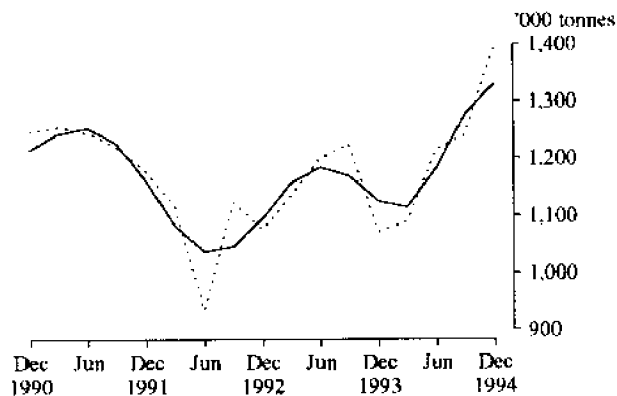
Q6. UNDRESSED SAWN TIMBER



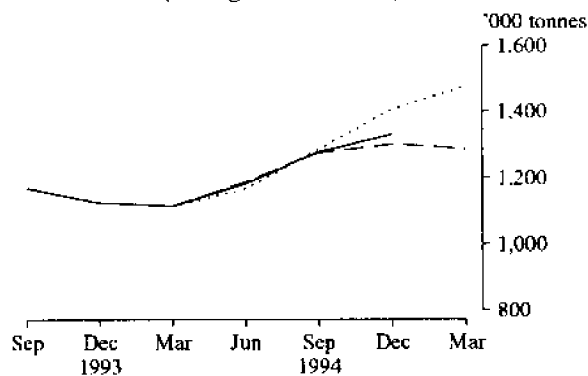
Q6. UNDRESSED SAWN TIMBER
(Average movement 3%)



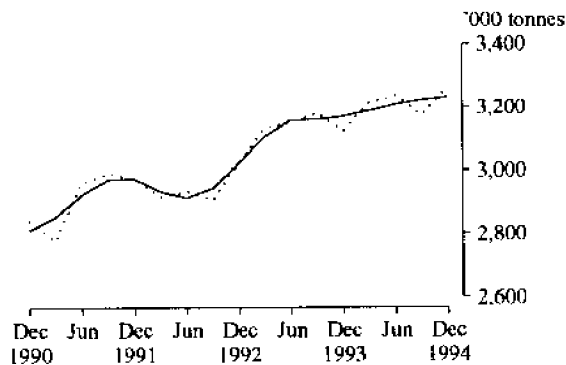
Q7. HARDWOOD WOODCHIPS



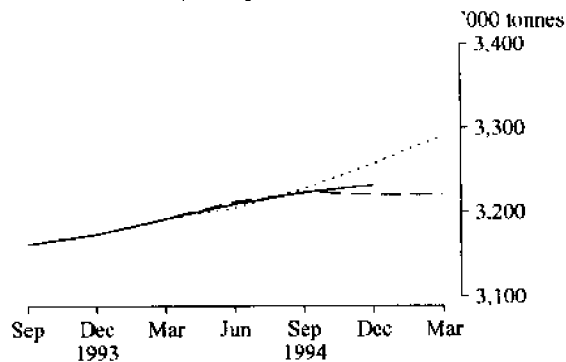
Q7. HARDWOOD WOODCHIPS
(Average movement 7%)



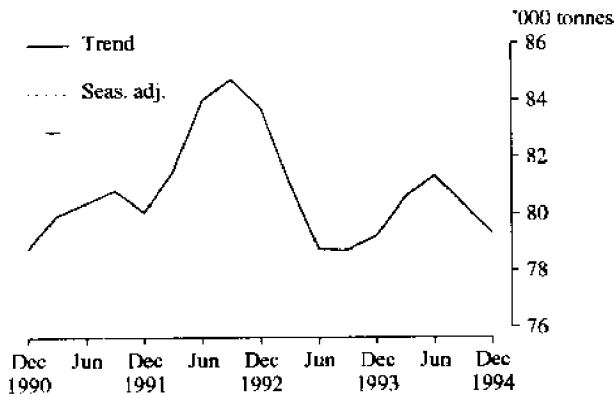
Q8. ALUMINA(c)



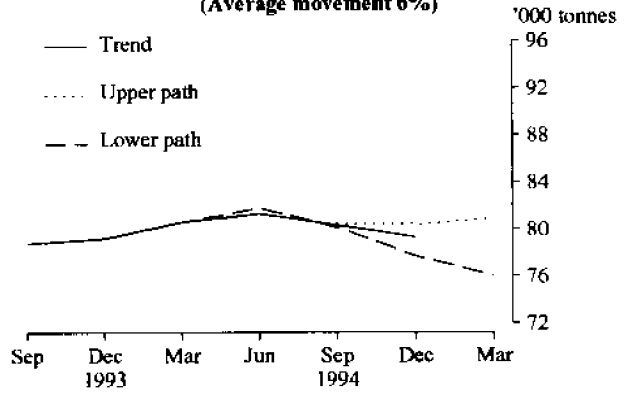
Q8. ALUMINA(c)
(Average movement 2%)



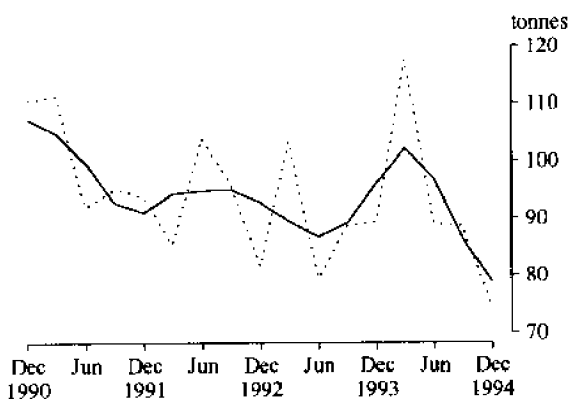
Q9. ZINC(c)



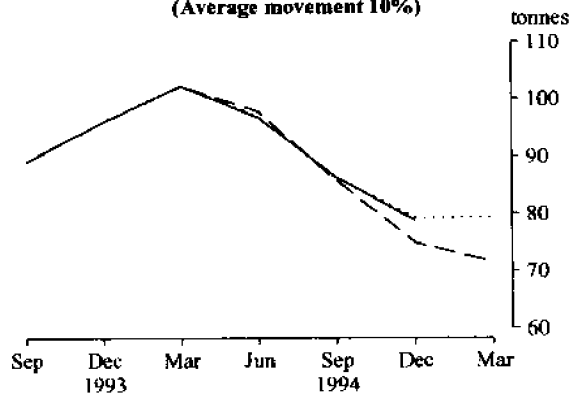
Q9. ZINC(c)
(Average movement 6%)



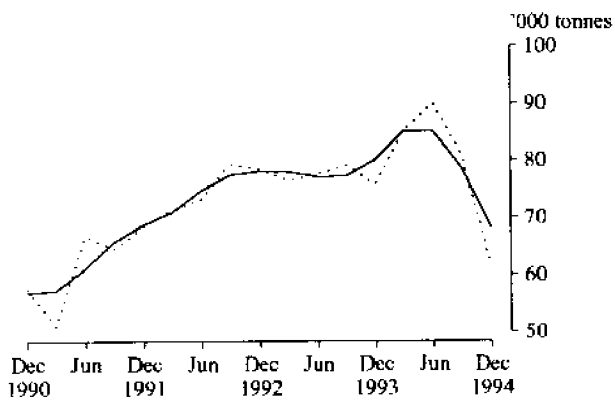
Q10. SILVER(c)



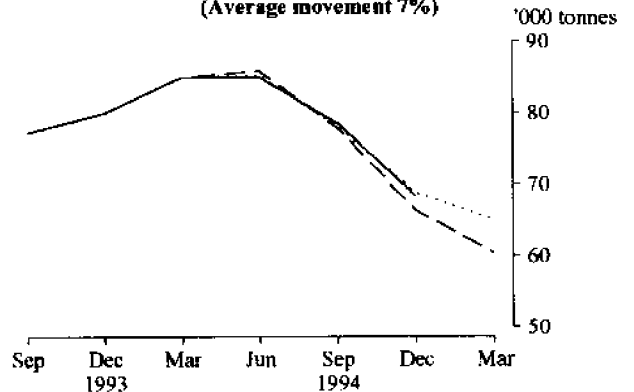
Q10. SILVER(c)
(Average movement 10%)



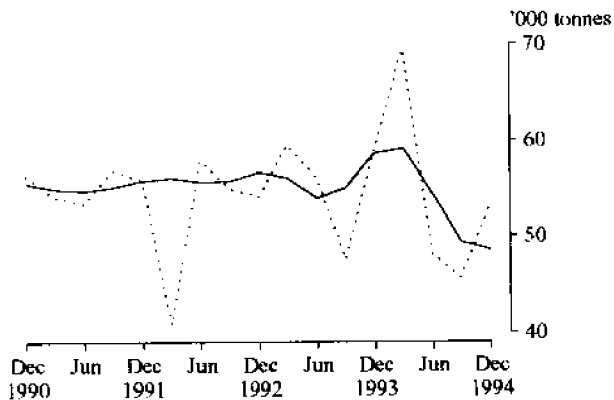
Q11. COPPER(c)



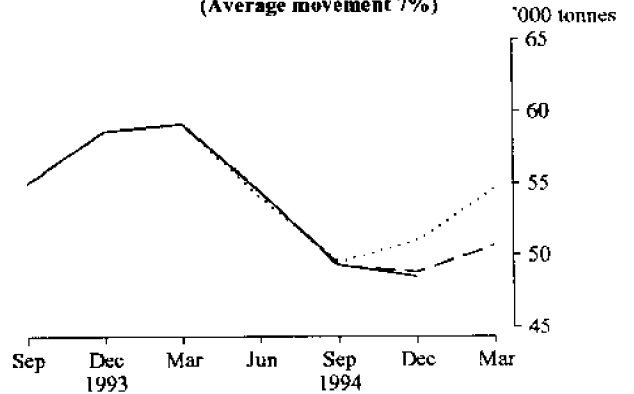
Q11. COPPER(c)
(Average movement 7%)



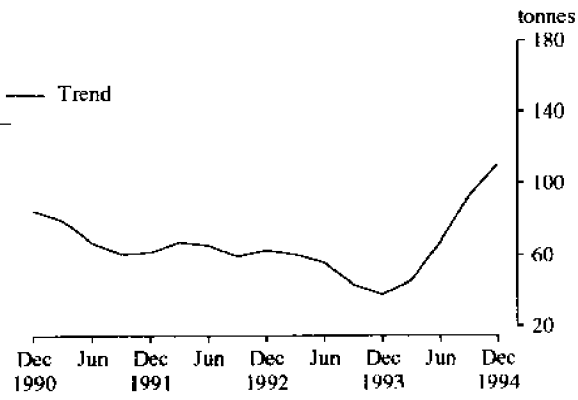
Q12. LEAD(c)



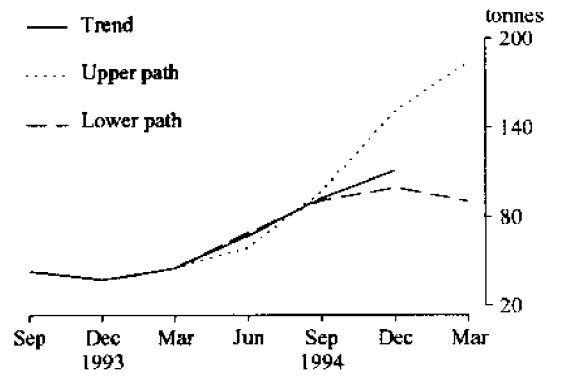
Q12. LEAD(c)
(Average movement 7%)



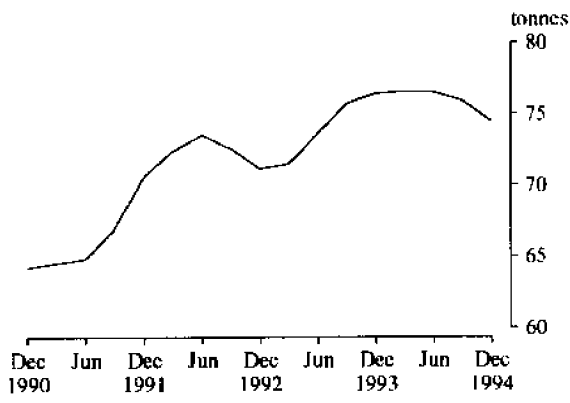
Q13. TIN(c)



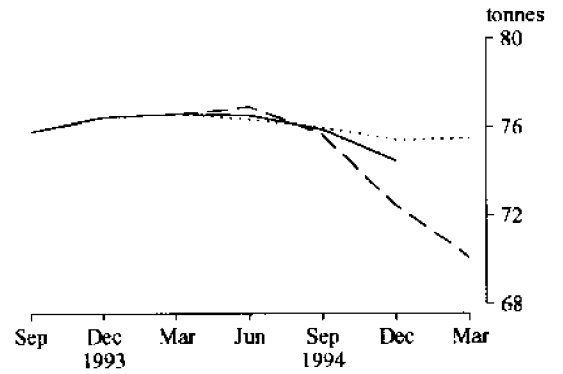
Q13. TIN(c)
(Average movement 61%)



Q14. GOLD(c)



Q14. GOLD(c)
(Average movement 7%)



PRODUCTION STATISTICS, AUSTRALIA, APRIL 1995.

No. Item	Series	Unit	1994					1995				Percentage changes between latest month shown and-	
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	prev. month	same month prev. year
M1. Red meat	Orig.	'000 tonnes	235	255	240	249	220	188	204	234	n.y.a.	14.7	-7.1
	S. adj.	"	226	244	238	220	241	225	212	212	n.y.a.	0.0	7.8
	Trend r	"	233	233	233	232	229	224	219	214	n.y.a.	2.3	10.5
M2. Chicken meat	Orig.	tonnes	36,353	40,682	38,811	35,331	41,737	35,136	37,803	42,413	n.y.a.	12.2	2.6
	S. adj.	"	38,888	42,660	37,666	35,608	41,986	34,213	39,777	42,080	n.y.a.	5.8	3.0
	Trend r	"	39,807	39,280	38,741	38,362	38,288	38,521	38,982	39,462	n.y.a.	1.2	-0.8
M3. Cheese(a)	Orig.	"	13,769	21,575	26,216	24,516	r 23,424	20,825	17,396	n.y.a.	n.y.a.	-16.5	-8.2
	S. adj.	"	16,570	16,707	17,463	17,107	r 17,838	17,559	18,032	n.y.a.	n.y.a.	2.3	8.1
	Trend r	"	17,361	16,697	16,779	17,221	17,549	17,775	17,911	n.y.a.	n.y.a.	0.8	-15.6
M4. Butter(a)	Orig.	"	7,441	13,585	18,343	19,901	r 18,457	14,203	10,499	n.y.a.	n.y.a.	-26.1	-10.7
	S. adj.	"	11,106	11,597	12,373	12,900	r 13,109	11,625	10,753	n.y.a.	n.y.a.	-7.5	-10.7
	Trend r	"	11,393	11,729	12,077	12,274	12,271	12,134	11,831	n.y.a.	n.y.a.	-2.5	-4.8
M5. Flour of wheat or of meslin	Orig.	'000 tonnes	122	123	113	117	106	95	103	r 114	97	-15.3	-10.8
	S. adj.	"	116	118	114	112	114	108	108	r 107	100	-6.4	8.9
	Trend r	"	116	116	115	113	112	110	108	105	104	-1.6	10.5
M6. Prepared food from cereals	Orig.	tonnes	8,395	8,515	8,531	7,625	8,313	7,726	7,876	r 9,736	8,576	-11.9	13.7
	S. adj.	"	7,914	8,440	8,189	7,220	9,101	9,792	7,904	r 8,745	9,603	9.8	20.8
	Trend r	"	8,172	8,185	8,237	8,339	8,497	8,687	8,864	9,014	9,171	1.7	11.8
M7. Biscuits	Orig.	"	11,573	14,735	11,627	12,580	11,146	5,920	10,689	r 12,079	8,787	-27.3	-9.9
	S. adj.	"	10,460	12,317	11,535	11,621	13,081	9,159	11,048	r 10,359	10,278	-0.8	-8.1
	Trend r	"	11,237	11,540	11,789	11,860	11,720	11,418	11,049	10,675	10,394	-2.6	-5.3
M8. Chocolate based confectionery	Orig.	"	10,748	10,552	9,827	10,402	9,503	5,853	9,334	r 9,788	6,496	-33.6	-12.4
	S. adj.	"	8,919	10,044	9,489	9,378	10,169	10,739	9,286	r 8,322	7,561	9.1	-7.8
	Trend r	"	9,129	9,452	9,753	9,923	9,886	9,643	9,262	8,807	8,380	-4.8	-1.1
M9. Other confectionery	Orig.	"	7,296	7,284	6,595	7,028	5,771	3,292	5,475	5,895	4,541	-23.0	-3.5
	S. adj.	"	5,975	6,442	6,327	5,867	6,137	6,208	5,860	5,482	5,724	4.4	-0.9
	Trend r	"	6,039	6,135	6,184	6,170	6,091	5,976	5,861	5,752	5,671	-1.4	-1.4
M10. Malt	Orig.	"	46,670	46,119	46,110	50,612	48,245	46,155	47,882	41,548	45,213	8.8	5.0
	S. adj.	"	45,796	47,244	47,552	47,088	49,486	48,861	47,038	40,485	49,967	23.4	5.0
	Trend r	"	46,477	47,172	47,726	47,922	47,709	47,308	46,839	46,425	46,155	-0.6	1.2
M11. Beer	Orig.	mil litres	r 153	143	160	190	182	138	135	151	127	-16.0	1.4
	S. adj.	"	r 156	155	147	155	150	140	148	140	142	1.6	5.7
	Trend r	"	151	153	153	151	148	146	144	142	141	0.8	-1.8
M12. Tobacco and cigarettes (b)	Orig.	tonnes	2,395	2,186	2,049	2,200	1,836	771	2,088	1,855	1,345	27.5	-2.7
	S. adj.	"	2,124	2,188	2,309	1,957	2,057	1,385	1,919	1,547	1,661	7.4	2.9
	Trend r	"	2,182	2,200	2,160	2,074	1,972	1,870	1,774	1,690	1,620	4.1	-12.8
M13. Man-made fibre woven fabric	Orig.	'000 sq m	17,362	18,601	16,164	15,423	13,615	10,652	15,921	r 18,115	12,034	-33.6	-16.6
	S. adj.	"	16,437	17,350	15,745	14,666	14,739	18,167	15,428	r 16,197	13,272	-18.1	-12.3
	Trend r	"	16,198	16,137	16,048	15,973	15,904	15,812	15,648	15,378	15,127	-1.6	-1.4
M14. Cotton woven fabric	Orig.	"	4,534	4,958	4,013	4,143	3,963	2,089	4,383	r 5,478	3,636	33.6	-8.6
	S. adj.	"	4,293	4,360	3,692	4,247	4,520	5,444	4,335	r 4,815	3,730	-22.5	-1.8
	Trend r	"	4,026	4,078	4,217	4,392	4,547	4,616	4,608	4,538	4,449	-2.0	6.9

For footnotes see end of tables.

PRODUCTION STATISTICS, AUSTRALIA, APRIL 1995.

No. Item	Series	Unit	1994					1995				Percentage changes between latest month shown and-	
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	prev. month	same month prev. year
M15. Cotton yarn	Orig.	tonnes	2,818	3,000	2,571	2,971	2,296	r 1,409	2,824	r 3,469	2,455	-29.2	1.4
	S. adj.	"	2,520	2,648	2,426	2,891	2,664	r 2,474	2,999	r 3,105	2,759	-11.1	8.4
	Trend r	"	2,577	2,581	2,602	2,643	2,705	2,770	2,830	2,882	2,928	1.6	8.0
M16. Wool yarn	Orig.	"	2,197	2,162	2,264	2,240	1,651	1,364	1,930	r 1,910	1,493	-21.8	-23.6
	S. adj.	"	1,893	1,975	2,164	1,867	2,059	2,165	1,957	r 1,834	1,782	-2.9	-22.8
	Trend r	"	1,965	1,977	2,009	2,037	2,033	2,004	1,960	1,908	1,852	-2.9	-7.1
M17. Wool woven fabric	Orig.	'000 sq m	885	665	768	775	566	410	r 764	r 862	741	14.0	16.5
	S. adj.	"	774	639	771	623	665	668	r 702	r 763	878	15.0	21.1
	Trend r	"	687	686	681	676	678	694	723	760	791	4.1	13.8
M18. Textile floor coverings	Orig.	"	4,244	4,311	4,596	4,873	3,580	2,618	4,286	r 4,056	2,972	-26.7	-23.8
	S. adj.	"	3,755	3,895	4,287	4,223	3,857	4,769	4,402	r 3,851	3,365	12.6	21.9
	Trend r	"	3,965	4,001	4,098	4,207	4,261	4,235	4,138	3,998	3,829	4.2	8.5
M19. Footwear excluding sports footwear	Orig.	'000 pairs	1,548	1,494	r 1,456	r 1,467	1,119	677	1,257	r 1,415	1,091	-22.9	-22.0
	S. adj. r	"	1,411	1,408	1,394	1,356	1,294	1,279	1,228	1,182	1,081	8.6	-19.7
	Trend r	"	1,414	1,404	1,382	1,350	1,311	1,266	1,219	1,174	1,134	-3.4	-19.8
M20. Sports footwear	Orig.	"	38	34	21	31	21	6	26	r 34	25	26.8	1.0
	S. adj. r	"	31	29	24	27	28	15	24	28	23	-16.4	0.8
	Trend r	"	29	28	27	25	24	24	23	23	24	1.6	-4.7
M21. Newsprint	Orig.	tonnes	32,298	30,267	30,941	34,619	31,785	37,800	39,472	37,384	37,217	0.4	8.1
	S. adj. r	"	32,791	31,619	31,903	33,121	33,020	34,835	40,016	36,737	35,826	-2.5	6.4
	Trend r	"	33,682	32,742	32,436	32,963	34,143	35,379	36,360	37,085	37,535	1.2	7.9
M22. Wood pulp	Orig.	"	84,692	84,484	71,549	78,282	75,920	81,003	r 84,932	r 96,090	85,549	-11.0	-0.4
	S. adj. r	"	85,562	81,726	73,115	78,456	72,459	80,603	89,049	93,951	88,068	-6.3	4.0
	Trend r	"	83,412	80,129	77,646	77,134	78,747	81,729	85,133	88,318	91,235	3.3	5.8
M23. Unlaminated particle board	Orig.	'000 cu m	78	79	73	78	61	53	71	81	66	-18.6	3.1
	S. adj.	"	69	71	68	64	78	96	75	66	73	9.9	2.3
	Trend r	"	68	69	71	74	76	77	77	76	75	-1.7	16.6
M24. Paper	Orig.	'000 tonnes	144	151	148	147	145	r 146	145	r 174	146	-15.9	3.4
	S. adj. r	"	142	140	144	145	153	164	159	167	143	14.3	9.0
	Trend r	"	139	140	143	149	154	157	158	159	158	0.4	6.3
M25. Paperboard containers	Orig.	tonnes	96,695	94,838	94,702	106,492	85,124	78,035	82,938	r 91,974	71,029	22.8	-7.0
	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	"	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(c)	Orig.	megalitres	1,620	1,434	1,432	1,416	1,561	1,519	1,428	n.y.a.	n.y.a.	-6.0	0.2
	S. adj.	"	1,630	1,430	1,439	1,527	1,526	1,404	1,514	n.y.a.	n.y.a.	7.8	0.1
	Trend r	"	1,495	1,498	1,495	1,489	1,482	1,476	1,473	n.y.a.	n.y.a.	-0.2	-1.1
M27. Fuel oil(c)	Orig.	"	187	216	181	152	194	228	183	n.y.a.	n.y.a.	-19.7	20.4
	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 r	"	191	188	186	186	188	191	195	n.y.a.	n.y.a.	2.1	12.2
M28. Aviation turbine fuel(c)	Orig.	"	378	373	375	367	383	368	359	n.y.a.	n.y.a.	-2.4	9.1
	S. adj.	"	399	375	347	338	364	313	378	n.y.a.	n.y.a.	20.8	9.9
	Trend r	"	367	362	358	352	348	347	344	n.y.a.	n.y.a.	-0.9	-3.4

For footnotes see end of tables.

PRODUCTION STATISTICS, AUSTRALIA, APRIL 1995.

No. Item	Series	Unit	1994					1995					Percentage changes between latest month shown and-	
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	prev. month	same month prev. year	
M29. Automotive diesel oil(c)	Orig.	megalitres	964	919	951	914	970	940	894	n.y.a.	n.y.a.	-4.9	4.7	
	S. adj.	"	971	945	929	906	912	872	938	n.y.a.	n.y.a.	7.6	4.7	
	Trend r	"	978	957	933	917	907	901	901	n.y.a.	n.y.a.	0.0	2.6	
M30. Plastics in primary forms	Orig.	'000 tonnes	114	104	109	102	95	96	99	r 113	99	-12.5	2.0	
	S. adj.	"	102	102	100	95	107	109	105	r 108	106	-1.1	0.9	
	Trend r	"	102	101	101	102	103	105	106	107	108	0.7	4.8	
M31. Rigid PVC tubes pipes and hoses	Orig.	tonnes	9,399	6,774	6,737	8,988	7,276	4,809	8,233	r 8,949	5,987	-33.1	-11.7	
	S. adj.	"	8,982	6,993	6,435	8,067	7,350	8,984	7,443	r 8,645	7,461	-13.7	-11.9	
	Trend r	"	7,986	7,681	7,520	7,556	7,725	7,918	8,050	8,120	8,115	0.1	-7.5	
M32. Polyethylene bottles up to two litres	Orig.	million	n.a.	n.a.	n.a.	124	122	117	108	107	95	-10.9	n.a.	
	S. adj.	"	n.a.	n.a.	n.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.a.	
	Trend r	"	n.a.	n.a.	n.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.a.	
M33. Paint	Orig.	'000 litres	16,494	18,668	17,837	17,384	17,341	14,657	15,655	r 17,825	14,295	-19.8	-6.0	
	S. adj.	"	16,318	17,023	16,558	16,002	17,208	19,831	15,867	r 15,612	16,143	3.4	5.8	
	Trend r	"	16,592	16,762	16,947	17,085	17,144	17,085	16,885	16,592	16,313	-1.7	1.6	
M34. Superphosphates	Orig.	'000 tonnes	47	99	67	180	140	139	140	160	147	-8.0	15.4	
	S. adj.	"	85	193	96	154	113	113	100	104	126	21.3	19.1	
	Trend r	"	111	112	114	116	116	115	113	111	111	-0.1	-3.8	
M35. Portland cement	Orig.	"	661	642	614	615	604	455	552	r 619	519	-16.1	0.8	
	S. adj.	"	625	645	572	546	619	648	599	r 599	553	-7.8	2.0	
	Trend r	"	615	611	606	602	602	602	600	595	591	-0.7	5.3	
M36. Clay bricks	Orig. r	million	177	165	161	170	149	119	151	163	138	-15.3	-5.5	
	S. adj. r	"	157	159	160	158	167	176	158	146	150	3.1	-2.0	
	Trend r	"	158	159	162	163	164	162	160	156	153	-2.3	1.1	
M37. Ready mixed concrete	Orig. r	'000 cu m	1,509	1,457	1,396	1,477	1,179	1,012	1,210	1,414	1,128	-20.2	8.5	
	S. adj. r	"	1,396	1,399	1,334	1,348	1,289	1,332	1,289	1,282	1,289	0.6	-4.5	
	Trend r	"	1,394	1,380	1,359	1,338	1,320	1,307	1,297	1,288	1,284	-0.3	3.6	
M38. Basic iron, spiegeleisen and sponge iron	Orig.	'000 tonnes	649	643	644	627	590	637	563	634	605	-4.6	-3.7	
	S. adj.	"	613	614	602	600	573	635	632	656	632	-3.7	-2.7	
	Trend r	"	626	608	598	599	607	617	628	637	645	1.3	-1.9	
M39. Blooms and slabs	Orig.	"	680	681	697	653	626	679	601	626	638	1.8	-4.4	
	S. adj.	"	618	645	671	612	611	684	669	656	688	5.0	-2.3	
	Trend r	"	645	633	631	636	645	653	661	669	677	1.1	-2.9	
M40. Insulated wire	Orig.	tonnes	5,681	6,400	7,082	6,881	5,167	3,764	6,359	r 6,506	4,595	-29.4	1.2	
	S. adj.	"	5,483	6,037	6,588	6,581	6,029	7,142	6,234	r 5,637	4,524	-19.7	1.5	
	Trend r	"	5,662	6,003	6,322	6,512	6,515	6,342	6,059	5,720	5,357	-6.3	13.2	
M41. Cars and station wagons	Orig.	number	29,115	30,391	29,057	30,873	20,991	10,378	24,203	26,690	16,308	-38.9	-23.7	
	S. adj.	"	24,982	27,759	27,254	27,295	26,749	22,233	24,536	23,378	19,838	-15.1	-22.6	
	Trend r	"	25,642	26,317	26,727	26,583	25,821	24,696	23,531	22,424	21,490	-4.2	-14.9	
M42. Vehicles for goods and materials	Orig.	"	2,385	2,461	2,451	2,621	1,875	1,165	2,386	2,899	1,503	-48.2	-22.9	
	S. adj.	"	2,001	2,330	2,015	2,606	2,335	2,751	2,478	2,470	1,756	28.9	-22.0	
	Trend r	"	2,072	2,157	2,289	2,413	2,477	2,478	2,426	2,335	2,237	-4.2	9.2	

For footnote see end of tables.

PRODUCTION STATISTICS, AUSTRALIA, APRIL 1995.

No. Item	Series	Unit	1994									Percentage changes between latest month shown and-	
			1995									prev. month	same month prev. year
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.		
M43. Telephones	Orig.	'000	132	138	106	143	140	104	170	155	81	-47.3	n.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.a.
	Trend r	"	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.a.
M44. Domestic refrigerators	Orig.	number	30,794	32,820	36,534	40,757	34,119	32,499	34,436	42,025	23,471	-44.1	-31.8
	S. adj.	"	28,147	34,128	34,256	34,408	38,224	32,768	33,769	36,182	28,868	20.2	29.0
	Trend r	"	34,370	33,665	33,793	34,357	34,867	34,779	34,138	33,255	32,409	2.5	20.9
M45. Hot water heaters	Orig.	"	55,712	54,788	54,983	63,758	51,114	33,371	56,041	66,448	38,917	-41.4	-7.8
	S. adj.	"	47,842	48,355	54,263	56,168	55,375	69,368	57,377	57,947	52,083	10.1	2.9
	Trend r	"	49,099	50,200	52,005	53,879	55,200	55,747	55,836	55,709	55,200	0.9	5.8
M46. Clothes washing machines domestic	Orig.	"	29,999	30,386	26,260	30,394	20,995	13,999	23,091	27,426	20,149	-26.5	-16.1
	S. adj.	"	23,983	27,108	26,656	26,305	24,140	29,320	23,507	24,153	22,363	-7.4	-14.0
	Trend r	"	26,583	26,474	26,375	26,254	26,031	25,590	24,928	24,170	23,506	-2.8	-10.1
M47. Electric motors	Orig.	'000	283	302	271	274	207	136	264	329	206	-37.2	-20.5
	S. adj.	"	275	253	262	240	233	197	265	284	234	-17.9	-16.0
	Trend r	"	274	262	249	241	238	240	244	248	252	1.5	-8.1
M48. Electricity	Orig.	mil k Wh	14,749	13,540	13,457	13,243	13,565	13,461	12,751	13,787	13,034	5.5	4.2
	S. adj.	"	13,595	13,590	13,678	13,778	13,963	14,000	13,813	13,700	13,926	1.7	4.9
	Trend r	"	13,506	13,615	13,723	13,805	13,851	13,870	13,874	13,871	13,859	-0.1	3.5
M49. Gas	Orig.	terajoules	63,896	57,784	53,231	50,354	38,410	41,600	41,471	46,287	44,538	-3.8	-3.5
	S. adj.	"	50,883	53,306	53,949	53,997	45,670	52,415	51,499	52,067	49,090	-5.7	-3.6
	Trend r	"	51,652	52,059	52,180	51,920	51,436	51,008	50,733	50,519	50,355	-0.3	-0.5

For footnotes see end of tables.

PRODUCTION STATISTICS, AUSTRALIA, DECEMBER QUARTER 1994.

No.	Item	Series	Unit	Percentage changes between latest quarter shown and-										
				1992			1993			1994			prev. quarter	same quarter prev. year
				Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.		
Q1.	Men's and boys' long trousers	Orig.	'000	958	850	1,121	984	880	753	1,037	1,035	902	-12.8	2.5
		S. adj.	"	983	972	995	957	905	863	919	1,007	928	-7.8	2.6
		Trend	"	992	987	975	949	904	894	924	955	969	1.5	7.1
Q2.	Women's and girls' long trousers	Orig.	"	275	428	402	352	278	464	190	344	384	11.5	38.2
		S. adj.	"	318	391	392	346	324	420	186	339	450	32.7	38.9
		Trend	"	390	377	368	359	331	314	328	363	393	8.2	18.8
Q3.	Jeans	Orig.	"	973	986	1,142	1,113	891	709	945	938	765	-18.4	-14.1
		S. adj.	"	1,072	1,160	1,032	980	981	833	855	826	843	2.1	-14.1
		Trend	"	1,117	1,096	1,059	1,000	932	879	844	832	838	0.7	-10.0
Q4.	Men's shirts	Orig.	"	3,886	2,443	2,829	3,476	2,834	2,145	2,574	3,151	2,894	-8.2	2.1
		S. adj.	"	3,483	3,106	3,097	2,938	2,538	2,726	2,818	2,661	2,590	-2.7	2.1
		Trend	"	3,446	3,234	3,022	2,840	2,719	2,693	2,722	2,697	2,617	-3.0	-3.8
Q5.	Women's shirts and blouses	Orig.	"	1,269	1,050	985	1,303	1,733	1,545	813	1,999	1,151	-42.4	-33.6
		S. adj.	"	1,174	1,232	1,309	990	1,609	1,803	1,083	1,522	1,071	-29.7	-33.5
		Trend	"	1,208	1,221	1,187	1,183	1,566	1,655	1,592	1,393	1,260	-9.5	-19.6
Q6.	Undressed sawn timber(c)	Orig.	'000 cu m	766	709	831	856	853	827	905	936	890	-4.9	4.3
		S. adj.	"	754	772	803	829	841	899	875	906	878	-3.1	4.4
		Trend	"	763	776	797	828	855	878	890	892	887	-0.5	3.8
Q7.	Hardwood woodchips	Orig.	'000 tonnes	1,092	1,067	1,212	1,270	1,088	1,026	1,228	1,286	1,413	9.9	29.9
		S. adj.	"	1,077	1,135	1,201	1,226	1,072	1,092	1,216	1,241	1,393	12.2	29.9
		Trend	"	1,096	1,157	1,185	1,169	1,125	1,115	1,184	1,277	1,330	4.1	18.2
Q8.	Alumina(c)	Orig.	"	3,054	3,094	3,125	3,225	3,154	3,172	3,209	3,215	3,296	2.5	4.5
		S. adj.	"	3,025	3,137	3,153	3,183	3,124	3,216	3,237	3,174	3,265	2.9	4.5
		Trend	"	3,023	3,111	3,159	3,162	3,173	3,192	3,210	3,224	3,231	0.2	1.8
Q9.	Zinc(c)	Orig.	"	82	76	88	73	79	82	81	82	78	-4.9	-1.3
		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	"	84	81	79	79	79	81	81	80	79	-1.3	0.1
Q10.	Silver(c)	Orig.	tonnes	87	80	93	88	95	91	104	88	79	-10.2	-16.8
		S. adj.	"	82	103	79	89	89	118	89	89	74	-16.0	-16.8
		Trend	"	93	89	87	89	96	102	97	86	79	-8.8	18.0
Q11.	Copper(c)	Orig.	'000 tonnes	82	71	75	84	79	79	87	86	64	-25.6	-19.0
		S. adj.	"	78	77	78	79	76	85	90	81	61	-24.1	18.9
		Trend	"	78	78	77	77	80	85	85	79	68	-13.1	-14.7
Q12.	Lead(c)	Orig.	"	56	47	62	51	61	55	53	49	55	12.2	9.8
		S. adj.	"	54	60	56	48	59	69	48	46	53	16.9	-9.7
		Trend	"	57	56	54	55	59	59	54	49	49	-1.7	17.3
Q13.	Tin(c)	Orig.	tonnes	37	73	73	13	63	18	92	70	135	92.9	114.3
		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	"	63	61	56	44	38	45	67	93	111	19.6	192.3
Q14.	Gold(c)	Orig.	"	70	70	73	80	74	75	79	78	71	-8.5	-3.2
		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	"	71	71	74	76	76	77	77	76	74	-1.9	2.5

(a) Source: Australian Dairy Corporation. (b) Source: Australian Tobacco Marketing Committee. (c) Source: ABARE.

GLOSSARY

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 BASE 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 beverages with an alcohol content of less than 1.15 per cent
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, classified 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	other than sports footwear: excludes thongs
M20	SPORTS FOOTWEAR	includes ski boots
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

M24	PAPER	other than newsprint: includes paperboard, tissue and sanitary
M25	PAPERBOARD CONTAINERS	includes corrugated paperboard and solid paperboard containers
M26	AUTOMOTIVE GASOLINE	produced by Australian refineries from imported and indigenous petroleum
M27	FUEL OIL	oils derived from the distillation of petroleum which are generally used for domestic heating or fueling 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
M33	PAINT	includes architectural, decorative and industrial enamels and clears and heavy duty coatings: 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 used to make blended portland cement in house
M36	CLAY BRICKS	saleable bricks removed from kiln: excluding firebricks
M37	READY MIX CONCRETE	excludes production used or for use within the same business
M39	BLOOMS AND SLABS	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
M44	DOMESTIC REFRIGERATORS	one and two door models, includes combination refrigerator freezers
M45	HOT WATER HEATERS	includes solar
M46	CLOTHES WASHING MACHINES, DOMESTIC	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
M49	GAS	gas available for issue through mains including natural gas

Q1	MEN'S AND BOYS' TROUSERS	excludes jeans and waterproof trousers and trousers made as part of a complete suit
Q2	WOMEN'S AND GIRLS' LONG TROUSERS	excluding jeans and waterproof trousers
Q3	JEANS	includes men's, women's, boys' and girls' jeans: excludes shorts
Q4	MEN'S 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
Q9	ZINC	primary origin only
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

SENSITIVITY ANALYSIS

Where seasonally adjusted series are known to be highly erratic, an analysis of how sensitive the current trend estimates are to additional data can be useful. Such analysis is referred to as 'sensitivity analysis'.

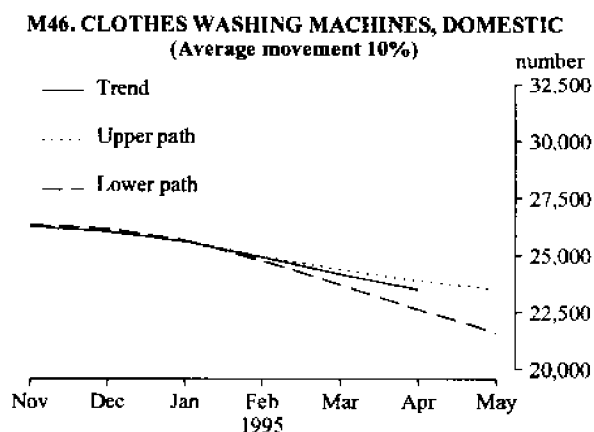
Readers should exercise care when interpreting the latest month's trend estimates because they will be revised when the next month's seasonally adjusted estimates become available. For further information, see Explanatory Notes 12 and 13.

The graph below presents the effect of two possible scenarios on the current and previous trend estimates:

Upper path The May seasonally adjusted estimate of the production of clothes washing machines, is higher than the April seasonally adjusted estimate by 10%.

Lower path The May seasonally adjusted estimate of the production of clothes washing machines, is lower than the April seasonally adjusted estimate by 10%.

The percentage change of 10% was chosen because the average monthly absolute percentage change for this series since January 1965 has been 10%.



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 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 enterprises with fewer than four persons employed or from establishments predominantly engaged in non-manufacturing activities but which may carry out in a minor way some manufacturing. 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 the Northern Territory and 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 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*, and data on tobacco and cigarettes produced are sourced from the Australian Tobacco Marketing Committee.

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, so differences may occur between the general tendency (if there is one) in these items and changes in the quarterly indexes of industrial production.

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. 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, 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 seasonally adjusted series.

13. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months 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 and services

15. Other ABS publications and services which may be of interest are:

Livestock Products, Australia (7215.0) issued quarterly

Mining Industry, Australia, (8402.0) issued annually

Manufacturing Production, Australia: Principal Commodities Produced, 1989-90 (8365.0)

Manufacturing Industry, Australia, (8221.0) issued annually

Stocks, Manufactures Sales and Expected Sales, Australia - (5629.0) issued annually

Quarterly Indexes of Industrial Production, Australia (8125.0)

Foreign Trade, Australia: FASTTRACCS Service - Hardcopy Reports.
Please call (03) 6157755

Additional manufacturing production data are collected by the ABS through user funded surveys and are available to users as a special data service. For further information please call Rod Smith on (03) 6157635

16. 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.

Symbols and other usages

n.y.a.	not yet available
r	figure or series revised since previous issue
n.a.	not available
n.p.	not publishable



For more information ...

The ABS publishes a wide range of statistics and other information on Australia's economic and social conditions. Details of what is available in various publications and other products can be found in the *ABS Catalogue of Publications and Products* available at all ABS Offices (see below for contact details).

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