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Production of Paper, Plastics Paints, Industrial Chemicals and Detergents Australia

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TABLE 1. WOOD PULP(a)
(tonnes)

Period	*Mechanical (251.20)*	*Other (251.70,90)*	*Total*
1987-88	414,297	580,192	994,489
1988-89	438,775	597,160	1,035,935
1989-90	430,665	599,711	1,030,376
1989—			
June	36,162	49,550	85,712
July	36,329	47,166	83,495
August	40,845	46,544	87,389
September	32,434	50,895	83,329
October	37,571	41,414	78,985
November	32,558	47,604	80,162
December	36,386	52,030	88,416
1990—			
January	36,013	48,610	84,623
February	32,368	47,302	79,670
March	36,547	56,824	93,371
April	36,741	50,318	87,059
May	36,500	50,497	86,997
June	36,373	60,507	96,880
July	r34,787	31,386	r66,173
August	36,677	58,497	95,174
1989-90: July to Aug.	77,174	93,710	170,884
1990-91: July to Aug.	71,464	89,883	161,347

(a) Quantities shown represent tonnes air-dried.

TABLE 2. PAPER AND PAPERBOARD
(tonnes)

			Other paper and paperboard in strips, rolls or sheets(a)						
			Parchment(c)		*Embossed(d)*				
Period	*Newsprint (641.10)*	*Tissue and sanitary(b) (641.65,66,67)*	*Grease-proof (641.80)*	*Other (641.81)*	*Corrugated paperboard (641.68)*	*Other (641.82)*	*Graphic (642.48)*	*Other (641.87)*	*Total*
1987-88	401,066	n.p.	Not available prior to July 1989						
1988-89	401,269	n.p.							
1989-90	383,657	163,072	—	n.p.	n.p.	n.p.	648,293	665,060	2,003,286
1989—									
June	32,236	n.p.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
July	32,250	17,763	—	n.p.	n.p.	n.p.	48,115	50,151	165,526
August	33,055	17,185	—	n.p.	n.p.	n.p.	52,194	50,747	169,931
September	27,289	15,009	—	n.p.	n.p.	n.p.	62,152	63,392	181,871
October	32,981	n.p.	—	n.p.	n.p.	n.p.	60,154	46,155	163,405
November	29,489	n.p.	—	—	n.p.	n.p.	47,628	56,356	156,526
December	33,453	n.p.	—	—	n.p.	n.p.	56,477	64,556	171,458
1990—									
January	33,592	n.p.	—	—	n.p.	n.p.	46,149	55,839	159,322
February	30,728	n.p.	—	—	n.p.	n.p.	49,563	52,462	155,760
March	31,759	n.p.	—	—	n.p.	n.p.	57,231	63,651	178,040
April	34,556	n.p.	—	—	n.p.	n.p.	50,936	54,039	162,366
May	32,893	n.p.	—	—	n.p.	n.p.	52,320	46,126	155,886
June	31,612	n.p.	—	—	n.p.	n.p.	65,374	61,586	183,195
July	31,875	11,684	—	—	n.p.	n.p.	39,717	52,043	146,565
August	32,097	11,071	—	—	n.p.	n.p.	54,364	49,528	159,091
1989-90: July to Aug.	65,305	34,948	—	n.p.	n.p.	n.p.	100,309	100,898	335,457
1990-91: July to Aug.	63,972	22,755	—	—	n.p.	.np.	94,081	101,571	305,656

(a) Rolls or strips exceeding 15 cm wide; sheets exceeding 36 cm by 15 cm, unfolded. (b) Rolls exceeding 36 cm wide; sheets with at least one side exceeding 36 cm unfolded. (c) Includes vegetable parchment, tracing papers, glassine and other glazed, transparent or translucent papers. (d) Includes corrugated, creped, crinkled, embossed or perforated.

TABLE 3. PLASTIC TUBES, PIPES, HOSES, FILM, SHEETING AND COATED MATERIALS

	Flexible plates, sheets, foil and strip of plastic(a)						*Tubes, pipes and hoses*	
		Polymers of ethylene						
Period	*Polymers of vinyl chloride (582.32)*	*Low density(b) (582.31)*	*High density (582.38)*	*Polymers of propylene (582.33)*	*Other (582.34)*	*Plastic coated textile materials (657.32)*	*High density polyethylene (581.82)*	*Rigid PVC(c) (581.22)*
	tonnes	tonnes	tonnes	tonnes	tonnes	'000 sq. m	tonnes	tonnes
1989-90 r	13,133	115,117	26,190	18,797	10,514	30,025	20,647	88,490
1989—	r		r	r	r			
July	1,053	10,181	2,167	1,887	825	2,349	1,217	7,060
August	1,250	r10,751	2,236	1,726	894	2,494	1,824	8,912
September	1,179	r10,076	2,463	1,745	902	2,711	1,764	8,312
October	1,116	10,393	2,473	1,847	949	2,352	1,981	7,915
November	1,317	10,124	2,111	1,856	1,037	2,089	2,366	8,874
December	1,099	8,155	1,891	1,245	958	2,340	1,409	6,652
1990—	r		r	r	r			
January	501	6,910	1,940	883	526	1,792	1,448	3,955
February	1,224	9,680	2,199	1,363	889	2,417	2,022	7,644
March	1,424	10,120	2,432	1,629	1,044	3,028	1,794	8,425
April	670	9,075	2,025	1,574	754	2,188	1,484	5,236
May	1,117	10,053	2,332	1,638	813	3,163	1,839	8,531
June	1,183	9,598	1,921	1,404	922	3,102	1,499	6,971
July	1,176	9,717	1,950	1,757	735	2,363	1,401	r6,925
August	1,339	10,327	2,196	1,673	977	2,267	1,512	7,376
1989-90: July to Aug.	2,303	20,932	4,403	3,613	1,719	4,843	3,041	15,972
1990-91: July to Aug.	2,515	20,044	4,146	3,430	1,712	4,630	2,913	14,301

(a) Excludes self-adhesive, floor, wall and ceiling coverings, vulcanised fibre and plastic foam. Also excludes reinforced, laminated or supported with other materials.
(b) Includes linear low density polyethylene. (c) Plasticiser content 1 per cent or less by weight of PVC. Excludes electrical conduit.

TABLE 4. PLASTICS IN PRIMARY FORMS(a)
(tonnes)

	Not mixed or compound(b)						*Mixed or compound (b) (576.02)*	*Regranulated scrap*		
Period	*Poly-ethylene (571.13)*	*Poly-styrene (572.14)*	*PVC (573.15)*	*Poly-propylene (575.14)*	*Polyvinyl acetate (575.98)*	*Other (576.01)*		*Single thermo-plastic (576.04)*	*Mixtures (579.00)*	*Total*
1987-88	Not available separately prior to July 1989									90,115
1988-89										986,211
1989-90 r	214,458	55,446	n.p.	159,102	14,417	354,745	28,645	n.p.	n.p.	977,321
1989—		r								r
June	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	85,569
July	14,319	n.p.	n.p.	n.p.	1,169	30,042	1,996	n.p.	—	76,252
August	17,807	4,204	n.p.	15,864	1,395	32,619	2,570	n.p.	—	88,951
September	20,581	4,862	n.p.	14,702	1,207	31,945	2,025	n.p.	—	88,923
October	20,130	5,814	n.p.	15,305	1,470	34,796	2,815	n.p.	—	94,894
November	19,364	5,453	n.p.	14,711	1,663	33,800	2,944	n.p.	—	89,564
December	18,670	3,921	n.p.	12,337	998	24,033	2,626	n.p.	n.p.	72,400
1990—		r								r
January	16,959	5,355	n.p.	13,953	620	24,975	2,021	n.p.	—	73,888
February	12,895	5,095	n.p.	10,664	1,412	28,563	2,430	n.p.	—	71,851
March	16,405	n.p.	n.p.	n.p.	r1,251	30,441	2,491	n.p.	—	77,556
April	20,690	5,007	n.p.	14,023	1,112	28,222	2,317	n.p.	—	83,336
May	21,019	n.p.	n.p.	13,949	1,060	28,790	2,036	n.p.	—	83,803
June	15,619	4,269	n.p.	12,219	1,060	r26,519	r2,374	n.p.	—	75,903
July	21,456	4,116	n.p.	16,684	892	26,824	2,418	n.p.	—	85,055
August	19,196	5,466	n.p.	14,977	1,042	28,518	2,870	n.p.	—	83,947
1989-90: July to Aug.	32,126	n.p.	n.p.	n.p.	2,564	62,661	4,566	n.p.	—	165,203
1990-91: July to Aug.	40,652	9,582	n.p.	31,661	1,934	55,342	5,288	n.p.	—	169,002

(a) Primary forms includes liquid, paste, powder, granules, flakes, blocks, irregular shapes, lumps and similar bulk forms. (b) Excludes regranulated scrap.

TABLE 5. PAINTS AND OTHER SURFACE COATINGS
('000 litres)

	Architectural and decorative paints, enamels and clears(a)							
	Solvent thinned				*Water thinned*			
		Finishing coats			*Plastic latex*			
		Pigmented				*Finishing coats*		
Period	*Primers and undercoats (533.65)*	*Full gloss (533.66)*	*Other (533.67)*	*Clears (533.68)*	*Primers and undercoats (533.69)*	*Flat (533.71)*	*Other (533.72)*	*Other water based (533.73)*
1987-88	6,170	12,227	4,796	3,701	6,264	31,889	26,347	4,879
1988-89	6,024	11,285	4,947	3,861	6,676	35,515	31,812	5,675
1989-90	5,669	11,369	4,308	3,703	6,990	32,047	32,512	6,564
1989—								
June	483	886	420	328	555	2,284	2,060	365
July	437	967	361	296	533	2,656	2,486	418
August	433	862	367	314	556	2,264	2,490	559
September	577	1,101	392	365	629	3,121	3,014	683
October	461	962	437	440	742	3,155	3,101	707
November	655	1,271	486	440	679	3,267	3,280	708
December	487	1,056	327	303	490	3,030	2,857	613
1990—								
January	356	743	277	201	520	2,221	2,309	403
February	439	765	232	273	575	2,665	2,596	627
March	516	1,145	369	271	642	2,722	3,067	601
April	387	758	393	201	351	1,950	2,224	393
May	450	886	286	288	774	2,673	2,566	437
June	471	853	381	311	499	2,323	2,522	416
July	369	r871	377	291	468	r2,301	r2,433	394
August	497	1,029	378	282	756	2,876	2,949	389
1989-90: July to Aug.	870	1,830	728	610	1,089	4,920	4,976	977
1990-91: July to Aug.	866	1,900	755	573	1,224	5,177	5,382	783

TABLE 5. PAINTS AND OTHER SURFACE COATINGS—*continued*
('000 litres)

	Industrial paints, enamels and clears(b)							
	Automotive			*Other industrial*				
		Finishing coats			*Finishing coats*			
					Nitro-cellulose lacquers		*Other*	
Period	*Primers and undercoats (533.74)*	*Nitro-celluose lacquers (533.75)*	*Other (533.76)*	*Primers and undercoats (533.78)*	*Clears (533.79)*	*Colours (533.81)*	*Clears (533.82)*	*Colours (533.83)*
1987-88	4,908	547	10,037	9,040	3,199	1,233	8,753	22,436
1988-89	5,038	575	10,991	10,293	3,522	1,155	8,583	25,640
1989-90	5,750	601	11,056	r10,046	3,821	1,000	8,029	24,728
1989—								
June	533	54	1,146	980	295	115	613	2,436
July	398	54	897	862	286	81	474	2,010
August	495	40	887	819	336	70	684	2,278
September	554	52	990	1,007	351	112	676	2,412
October	568	54	932	1,118	424	105	693	2,560
November	461	58	919	1,028	390	101	711	2,535
December	456	38	935	881	293	91	677	1,924
1990—								
January	291	25	552	656	165	44	588	1,513
February	400	62	784	819	330	84	696	1,802
March	636	69	1,100	794	350	100	753	2,057
April	342	41	776	516	270	52	662	1,600
May	532	63	1,255	813	341	83	748	2,285
June	617	45	1,029	r733	285	77	666	1,752
July	440	68	819	791	307	r76	585	1,857
August	571	53	919	761	356	58	659	1,984
1989-90: July to Aug.	893	94	1,784	1,681	622	151	1,158	4,288
1990-91: July to Aug.	1,011	121	1,738	1,552	663	134	1,244	3,841

(a) Includes all paints and coatings for use on buildings and structures. Excludes heavy duty coatings. (b) Includes lacquers and water thinned industrial products.

TABLE 5. PAINTS AND OTHER SURFACE COATINGS—*continued*
('000 litres)

Period	*Heavy duty coatings(a) (533.77)*	*Wood stains (oil, spirit, etc.)packed for sale or transfer out(b) (533.84)*	*Marine coatings (c) (533.85)*	*Thinners*	
				For nitro-cellulose coatings (533.56)	*For all other coatings (533.57)*
1987-88	9,137	2,342	2,076	8,751	18,162
1988-89	10,994	2,448	2,092	8,641	18,312
1989-90	12,346	2,129	2,014	7,636	20,928
1989—					
June	1,057	169	171	627	1,643
July	998	178	165	606	1,430
August	980	182	141	603	1,489
September	1,157	218	149	782	1,907
October	976	261	212	753	1,861
November	1,155	218	185	738	1,990
December	1,174	201	155	558	1,617
1990—					
January	852	137	153	394	1,212
February	920	198	168	638	1,648
March	1,106	158	172	824	2,288
April	815	118	169	488	1,761
May	1,169	137	188	655	2,051
June	1,044	123	157	597	1,674
July	969	133	189	598	1,579
August	1,133	140	158	633	1,900
1989-90: July to Aug.	1,978	360	306	1,209	2,919
1990-91: July to Aug.	2,102	273	347	1,231	3,479

(a) Includes specialty coatings specifically designed for the protection of interiors and exteriors of buildings, plant and equipment etc. (b) Includes part-pigmented, Madison and Creosote types. (c) Includes primers and undercoats, underwater compositions, boot-topping, deck paints and marine varnishes. Excludes superstructure paints which are included with architectural and decorative paints.

TABLE 6. PAINTS AND OTHER SURFACE COATINGS: STATES—AUGUST 1990
('000 litres)

Code No.	*Item*	*NSW*	*Vic.*	*Other States*	*Australia*
	Architectural and decorative paints, enamels and clears(a)—				
	Solvent thinned—				
533.65	Primers and undercoats	106	72	320	497
	Finishing coats, pigmented—				
533.66	Full gloss	182	129	718	1,029
33.67	Other than full gloss	77	93	208	378
533.68	Finishing coats, clears	162	70	51	282
	Water thinned—				
	Plastic latex—				
533.69	Primers and undercoats	432	58	266	756
	Finishing coats—				
533.71	Flat	1,455	255	1,166	2,876
533.72	Other than flat (satin, semi-gloss, gloss)	1,581	474	893	2,949
533.73	Other water based	256	69	64	389
	Industrial paints, enamels and clears(b)—				
	Automotive—				
533.74	Primers and undercoats	51	451	69	571
	Finishing coats—				
533.75	Nitro-cellulose lacquers	22	n.p.	n.p.	53
533.76	Other	n.p.	652	n.p.	919
	Other industrial—				
533.78	Primers and undercoats	401	189	171	761
	Finishing coats—				
	Nitro-cellulose lacquers—				
533.79	Clears	154	106	96	356
533.81	Colours	34	13	12	58
	Other—				
533.82	Clears	176	447	37	659
533.83	Colours	815	978	191	1,984
533.77	Heavy duty coatings(c)	265	292	575	1,133
533.84	Wood stains (oil, spirit, etc.) packed for sale or transfer out(d)	64	65	10	140
533.85	Marine coatings(e)	n.p.	n.p.	143	158
	Thinners—				
533.56	For nitro-cellulose coatings	217	198	218	633
533.57	For all other coatings	658	793	449	1,900

(a) Includes all paints and coatings for use on buildings and structures. Excludes heavy duty coatings. (b) Includes lacquers and water thinned industrial products. (c) Includes specialty coatings specifically designed for the protection of interiors and exteriors of buildings, plant and equipment etc. (d) Includes part-pigmented, Madison and Creosote types. (e) Includes primers and undercoats, underwater compositions, boot-topping, deck paints and marine varnishes. Excludes superstructure paints which are included with architectural and decorative paints.

TABLE 7. INDUSTRIAL CHEMICALS

Period	Acids (in terms of 100% acid)				Ammonium sulphate (562.13)	Superphosphate(c) (562.23,24,25)	Other mineral or Chemical fertilisers	
	Hydrochloric; Chlorosulphuric (522.31)	Sulphuric; Oleum					Phosphatic (562.26)	Potassic (562..30)
		Original (522.32)	Seasonally Adjusted(a)	Trend(b)				
	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	tonnes	tonnes	tonnes
1987-88	n.a.	1,818	..	..	179,211	Not available prior to July 1989		
1988-89	n.a.	1,904	..	..	164,776			
1989-90	60,469	1,464	..	..	214,059	2,652,863	n.p.	4,426
1989—								
June	n.a.	140	139	142	n.p.	n.a.	n.a.	n.a.
July	4,951	96	120	132	13,451	115,667	n.p.	210
August	n.p.	103	120	123	22,242	155,698	n.p.	257
September	n.p.	98	117	118	14,369	126,699	n.p.	526
October	n.p.	107	120	118	23,301	123,257	n.p.	337
November	3,073	117	119	121	21,248	227,325	n.p.	784
December	4,920	138	122	125	20,892	257,414	n.p.	251
1990—								
January	5,615	145	131	128	20,027	250,060	n.p.	446
February	5,051	144	138	128	10,691	293,349	n.p.	249
March	n.p.	146	126	126	15,328	359,319	n.p.	284
April	4,858	132	119	124	13,490	323,539	n.p.	460
May	4,938	125	118	121	18,071	258,459	n.p.	288
June	n.p.	113	115	r119	20,949	162,077	n.p.	334
July	3,842	104	127	r118	15,604	119,282	n.p.	305
August	5,745	96	114	117	20,896	90,034	n.p.	172
1989-90: July to Aug.	n.p.	199	..	..	35,693	271,365	n.p.	467
1990-91: July to Aug.	9,587	200	..	..	36,500	209,316	n.p.	477

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 8, Explanatory Notes. (c) Double and triple superphosphates expressed in terms of single phosphate i.e. 9% P equivalent.

TABLE 8. ORGANIC SURFACE-ACTIVE AGENTS (a)
(tonnes)

Period	Anionic(b) (554.24)	Cationic(c) (554.25)	Other(d) (554.26)
1989-90	26,868	8,446	7,122
1989—			
July	2,132	761	606
August	2,366	748	457
September	2,597	626	445
October	2,227	916	555
November	2,183	721	542
December	2,287	518	548
1990—			
January	2,039	638	470
February	1,985	620	420
March	2,442	721	505
April	1,873	652	611
May	2,114	917	1,047
June	2,622	608	916
July	2,042	798	1,043
August	1,843	777	421
1989-90: July to Aug.	4,498	1,509	1,063
1990-91: July to Aug.	3,885	1,575	1,464

(a) Organic surface-active agents are capable of absorption at an interface and in that state display a number of physico-chemical properties responsible for surface activity (e.g. reduction of surface tension, foaming, emulsifying and wetting). Excludes soap. (b) Organic surface-active agents which ionise in aqueous solution to produce negatively charged organic ions responsible for surface activity (e.g. sulphates and sulphonates of fats, vegetable oils or resin acids).(c) Organic surface-active agents which ionise in aqueous solution to produce positively charged organic ions responsible for surface activity (e.g. salts of fatty amines). (d) Includes non-ionic and ampholytic agents.

TABLE 9. DETERGENTS AND SOAP

Period	*Soaps in bars, cakes, moulded pieces or shapes for personal use(a) (554.12)*	*Shampoo (553.31)*	*Scouring preparations(b) (554.39)*	*Surface-active washing or cleaning preparations*					
				Fabric washing		*Dish washing preparations*		*Soaking, rinsing or bleaching preparations (554.53)*	*Other(d) (554.54)*
				Liquid (554.28)	*Other(c) (554.29)*	*Liquid (554.51)*	*Other(c) (554.52)*		
	tonnes	tonnes	tonnes	'000 litres	tonnes	'000 litres	tonnes	tonnes	tonnes
1987-88	30,330								
1988-89	26,764								
1989-90	33,462	19,915	12,133	r50,868	r108,218	r29,820	4,100	23,704	r36,136
1989—				Not available prior to July 1989					
June	2,983								
July	2,910	1,705	907	5,182	9,282	2,624	296	1,825	3,179
August	3,112	1,670	1,005	6,049	10,557	3,327	353	1,678	3,081
September	3,232	1,759	1,028	5,277	9,726	3,385	361	2,186	3,640
October	2,867	1,786	1,250	5,641	10,892	2,601	502	2,283	3,579
November	2,769	1,615	598	4,999	9,487	2,862	348	2,353	3,797
December	2,402	1,258	775	r4,338	r7,348	r1,876	279	2,003	r2,249
1990—									
January	1,373	1,342	771	r1,877	6,190	r1,394	167	2,034	1,908
February	2,622	1,558	1,301	3,516	8,124	2,154	261	2,197	3,179
March	3,265	2,035	1,297	3,412	10,495	2,345	399	2,442	2,890
April	3,172	1,576	841	2,923	6,609	2,645	349	1,350	2,602
May	2,869	1,864	1,271	3,975	r9,376	r2,722	528	2,145	r2,854
June	2,869	1,747	1,089	3,678	10,133	1,883	258	1,208	r3,179
July	2,225	1,625	1,077	r3,954	10,759	1,535	236	1,560	3,017
August	2,749	1,394	1,027	3,727	10,586	2,416	260	1,297	2,433
1989-90: July to Aug.	6,022	3,375	1,912	11,231	19,839	5,951	649	3,503	6,260
1990-91: July to Aug.	4,974	3,019	2,104	7,681	21,345	3,951	496	2,857	5,450

(a) Includes abrasive and medicated. (b) Includes abrasive soap not in bars, cakes, moulded pieces or shapes. (c) For example powders. (d) Includes surface-active preparations for use in the processing or preparation of minerals, hides and skins, paper, dyed textiles, textile fibres, pharmaceutical and cosmetic products.

EXPLANATORY NOTES

Introduction

This publication is one of a series of nine containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 9.

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in Australian Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. ASCC items were introduced into the monthly production collections (catalogues 8301.0, 8357.0 to 8363.0, 8367.0 and 8368.0) from July 1989. The last available data relating to superseded commodity items are published in the June 1989 issue. In cases where data are derived from sources other than ABS collections no commodity code is shown and the source of the data is acknowledged in a footnote.

Scope and coverage

3. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities the effect on production levels and movements is marginal.

4. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to report on a June year basis, include details in respect of substitute accounting periods.

Seasonal adjustment and trend estimates

5. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment account had 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. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

6. 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.

7. 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.

8. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Related publications

9. Other ABS publications which may be of interest are:

Production Statistics, Australia, Preliminary (8301.0) — issued monthly

Production of Household Appliances and Electrical Equipment, Australia (8357.0) — issued monthly

Production of Clothing and Footwear, Australia (8358.0) — issued monthly

Production of Food, Drink, Tobacco and Stock and Poultry Food, Australia (8359.0) — issued monthly

Production of Fibres, Yarns, Fabrics, Bedding and Floor Coverings, Australia (8360.0) — issued monthly

Production of Building Materials and Fittings, Australia (8361.0) — issued monthly

Production of Transport Equipment, Australia (8363.0) — issued monthly

Production of Metal Products, Australia (8367.0) — issued monthly

Production of Energy Products, Australia (8368.0) — issued monthly

Manufacturing Commodities : Selected Principal Articles Produced, Australia 1986-87, Preliminary (8365.0)

Manufacturing Commodities : Principal Articles Produced, Australia 1986-87 (8303.0)

10. 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.p.	not available for separate publication (but included in totals where applicable)
. .	not applicable
r	revised since last issue
n.a.	not available
—	nil or rounded to zero

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