

## P3041.2

### MANUFACTURING: production and sales

September 1998

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#### MANUFACTURING PRODUCTION DECREASES

Manufacturing production for the third quarter of 1998 reflected a decrease of 2,7% after seasonal adjustment compared with the previous three months. Lower production was reported by 20 of the 27 manufacturing major divisions. The decrease can to a large extent be attributed to strike action during August and September 1998. Strike action was reported by the petroleum, other chemical products, plastic and motor vehicle manufacturers.

The major contributors to the decrease of 2,7% were the other chemical (-0,5 of a percentage point), motor vehicle (-0,5 of a percentage point), machinery (-0,4 of a percentage point) and the beverage (-0,3 of a percentage point) divisions.

The total value of sales of manufactured products for the third quarter of 1998 reflected a slight decrease of 0,3% (-R299 million) to R90 692 million after seasonal adjustment compared with the previous quarter. The largest decreases were recorded by the motor vehicle (-9,9% or R 861 million) and machinery (-8,1% or R 410 million) divisions. However, large increases were recorded by the basic non-ferrous metal (10,5% or R285 million) and clothing (5,3% or R123 million) divisions.

#### SUMMARY - TOTAL MANUFACTURING

Period				Production indices	Sales	Percentage change of:	
				1995 = 100	R mill.	Production-indices	Sales
Actual							
Jul.	1998 -	Sept.	1998	101,7	92 472,2	-5,3	+0,5
Jul.	1997 -	Sept.	1997	107,4	92 013,5		
Seasonally adjusted							
Jul.	1998 -	Sept.	1998	98,5	90 692,4	-2,7	-0,3
Apr.	1998 -	Jun.	1998	101,2	90 990,9		

#### NOTES

1. This statistical release shows the indices of the physical volume of manufacturing production and the value of sales and unfilled orders, after benchmarking, according to manufacturing divisions and major groups. Furthermore, in accordance with international practice, the indices were recalculated on the basis of 1995=100. Both actual and seasonally adjusted figures are shown. The former TBVC states are included.
2. In order to improve timeliness, some information for the current month may have been estimated due to late response. These estimates will be revised in the next issue(s) as soon as better information is available.
3. The calculation of the monthly production indices is based on the value of products and articles manufactured, after the effect of price changes has been eliminated through deflation by using appropriate sub-indices of the Production Price Index (PPI). The value of the manufactured products is obtained from a monthly sample survey of manufacturing establishments in the private and public sectors.
4. The results of the 1991 and 1993 Manufacturing Censuses were used to adjust the level of the indices and the value of sales. This process is known as benchmarking. The total value of gross output of the manufacturing major

groups (which represents the total value of work done by the establishments in these groups) as obtained from the respective manufacturing censuses, was deflated with appropriate subindices of the Production Price Index in order to calculate the real gross output. The latter served as benchmarks to verify or adjust the level of the monthly volume indices. The level adjustments were done on the volume indices for January of the relevant census year (e.g. the 1993 census year covers the period 1 July 1992 to 30 June 1993 and therefore the benchmarking was done using the index of January 1993 as reference point).

5. The 1988 Manufacturing Census provided the framework for the selection of a revised sample implemented as from January 1995. A stratified systematic sample design based on gross output was used. Establishments which commenced operations after the census have also been taken into account.

6. Production indices for the various manufacturing subgroups, that were previously published in the Bulletin of Statistics, were discontinued as from January 1993. The production indices on a subgroup basis can be obtained through approximation by deflating the value of sales according to manufacturing subgroups (as published in Chapter 6 of the Bulletin of Statistics) by the production price indices for the relevant manufacturing subgroups (statistical release P0142.1, entitled Production Price Index).

7. More comprehensive detail on the method of calculation and historical data in respect of the production indices according to manufacturing major groups and the value of sales for the period January 1990 to August 1997 was published in statistical releases P3041.3 (entitled Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to August 1997) on 12 November 1997 and P3041.4 (entitled Manufacturing statistics: Value of sales, January 1990 to July 1997) on 6 November 1997.

8. Stats SA has adopted the confidential pre-release policy in respect of selected economic indicators and specific government departments. The policy accords with practice among leading statistical agencies. The statistical integrity of the indices and strict observance of the release time has been assured by the following procedure:

In respect of this statistical release, an official representative from the Office of the President, the Deputy President, the Department of Trade and Industry, the Department of Finance, and the South African Reserve Bank will receive a copy of the release on a strictly confidential basis two hours in advance of the public issue.

Stats SA pre-release policy may be inspected at its Website, [www.statssa.gov.za](http://www.statssa.gov.za).

TABLE 1 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL

HISTORICAL TABLE  
BASE 1995 = 100

Month	1992	1993	1994	1995	1996	1997	1998
ACTUAL INDICES							
J	77,2	75,6	75,4	79,5	84,0	90,0	89,8*
F	92,3	90,6	89,6	97,0	96,6	101,2	101,2*
M	95,9	98,1	99,2	103,4	101,9	102,0	102,3
A	87,0	84,1	86,5	90,6	95,3	104,8	96,9*
M	89,7	87,6	86,4	101,3	102,7	105,3	100,4
J	90,0	93,0	93,7	102,0	101,4	104,1	102,7*
J	92,2	92,2	95,9	102,8	103,4	107,4	103,2
A	86,5	94,3	96,2	104,9	105,5	106,7	98,8
S	94,0	96,2	103,6	107,5	104,2	108,0	103,1 1/
O	100,5	100,5	106,1	112,1	114,4	118,6	
N	100,7	103,0	109,6	111,9	113,8	112,6	
D	81,4	83,3	86,0	86,8	84,8	88,0	
YEAR	90,6	91,5	94,0	100,0	100,7	104,1	
SEASONALLY ADJUSTED INDICES							
J	92,4	90,9	90,7	95,3	100,1	106,5	105,8
F	93,2	91,8	91,1	99,0	98,9	103,7	103,6
M	91,2	93,6	95,0	99,7	99,0	99,9	100,6
A	92,6	89,7	92,4	96,5	101,3	110,9	102,4
M	91,6	89,0	87,2	101,5	102,4	104,6	99,6
J	89,0	92,3	93,0	101,3	100,5	103,1	101,7
J	91,4	91,0	94,3	100,7	100,9	104,6	100,4
A	83,5	91,3	93,3	101,9	102,6	103,9	96,2
S	89,3	91,3	98,3	102,3	99,3	103,4	99,0
O	91,3	91,0	95,6	100,4	102,2	105,7	
N	89,8	92,0	98,1	100,4	102,5	101,6	
D	92,4	94,7	98,2	99,6	97,9	101,9	

\* Revised

1/ Preliminary

TABLE 2 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - DIVISIONS AND MAJOR GROUPS

BASE 1995 = 100

Manufacturing Divisions and major groups	Weights	Year	Actual indices			Seasonally adjusted indices			
			1997 *	September	August	September	September	August	September
				1998		1997	1998		1997
				1998	1997	1998	1997		
TOTAL	100,0	104,1	103,1	98,8	108,0	99,0	96,2	103,4	
Food and food products	13,6	107,5*	111,9	113,8	110,8	110,8	110,0	109,9	
Meat, fish, fruit etc.	3,9	120,2	122,6	135,8	115,5	125,6	133,4	117,7	
Dairy products	1,6	95,3	90,8	86,8	96,5	90,6	89,0	96,1	
Grain mill products	2,8	103,1	84,5	89,7	96,5	90,1	90,6	102,6	
Other food products	5,3	104,3*	125,2	119,0	119,5	112,9	108,9	108,2	
Beverages	5,2	104,9	98,1	97,8	104,1	99,5	101,1	104,6	
Total textiles	3,3	102,6	91,1	90,3	109,2	86,1	85,3	102,7	
Textiles	2,0	102,0	88,8	88,6	109,5	83,4	83,3	102,3	
Other textile products	1,3	103,7	94,7	92,9	108,8	90,0	88,8	103,1	
Total Wearing apparel	3,7	93,7	98,2	89,3	108,5	86,5	82,5	95,3	
Knitted, crocheted articles	0,7	86,5	81,4	83,1	76,3	82,1	82,4	76,4	
Wearing apparel	3,0	95,2	101,8	90,7	115,5	87,0	82,7	98,5	
Tanning and dressing of leather	0,4	103,0	103,3	112,0	85,8	106,7	108,8	87,3	
Footwear	1,1	83,9	87,7	74,2	101,1	72,1	67,5	83,3	
Wood and products of wood	1,8	111,2	108,0	111,1	121,3	102,3	109,0	114,3	
Sawmilling and planing of wood	0,6	103,8	106,6	112,5	122,5	96,5	104,6	111,0	
Products of wood	1,1	115,2	108,8	110,4	120,7	104,7	109,2	115,2	
Paper and paper products	4,9	92,0	109,5	97,7	97,1	103,9	92,3	92,3	
Total publishing and printing	3,9	99,5	95,7	94,9	102,9	93,7	94,2	100,7	
Publishing	1,6	103,2	101,8	100,0	102,2	100,5	100,4	100,3	
Printing, recorded media	2,3	97,0	91,5	91,5	103,4	88,6	89,7	100,1	
Coke and refined petroleum products	6,1	105,3	90,7	99,3	96,4	96,7	100,6	102,6	
Basic chemicals	4,4	108,0	101,2	112,3	102,0	103,8	108,0	103,6	
Other chemical products	7,1	106,9	103,2	90,2	111,6	96,3	91,6	104,0	
Rubber products	1,5	98,1	107,6	98,9	106,3	98,9	96,0	97,7	
Plastic products	2,9	91,8	92,3	82,7	96,5	87,1	80,2	90,9	
Glass and glass products	1,0	97,5	84,6	81,6	100,5	82,4	81,9	98,0	
Other non-metallic mineral products	3,3	98,3	95,5	92,4	101,7	90,0	88,0	95,2	
Basic iron and steel products	5,8	100,9	100,9	95,3	95,6	98,0	98,7	92,3	
Basic precious and non-ferrous metal products	1,9	143,4	148,6	143,5	158,2	141,2	143,9	150,3	
Fabricated metal products	6,6	109,8	113,9	104,6	115,9	107,9	104,1	109,8	
Structural metal products	1,9	114,1	128,3	117,0	111,1	123,5	118,9	106,6	
Other fabricated metal product	4,7	108,1	108,0	99,6	117,8	105,0	98,5	114,4	
Total machinery and equipment	6,1	111,1	113,6	100,5	127,2	100,5	90,4	112,1	
General purpose machinery	2,5	117,6	128,8	110,9	132,1	116,9	100,4	119,5	
Special purpose machinery	3,1	106,5	99,6	90,2	125,0	86,1	85,5	107,5	
Household appliances	0,5	108,3	123,0	111,5	116,1	113,2	102,1	106,0	
Electrical machinery, apparatus	3,2	100,1	101,6	92,2	105,8	96,0	87,3	99,4	
Radio, television and communication apparatus	1,2	102,1	136,3	108,1	118,2	126,1	109,3	108,0	
Professional equipment	0,5	96,7	71,3	77,4	93,1	70,8	72,6	91,3	
Motor vehicles; trailers; parts and accessories	6,5	93,6	82,9	73,6	94,0	81,0	69,3	91,3	
Motor vehicles	3,5	93,2	69,8	58,8	96,5	66,7	56,5	92,0	
Bodies for motor vehicles; trailers and semi-trailers	0,5	72,1	58,5	76,3	70,1	56,8	71,5	67,6	
Parts and accessories	2,5	98,7	106,6	94,2	95,5	103,9	92,5	92,7	
Other transport equipment	1,0	123,8	119,8	120,0	133,6	119,5	117,3	132,9	
Furniture	1,8	109,9	101,2	105,9	136,8	85,6	98,9	116,0	
Other manufacturing industries	1,5	119,6	113,6	107,0	111,5	116,4	105,5	113,6	

\* Revised

1/ Preliminary

TABLE 3 - VALUE OF SALES - MANUFACTURING - TOTAL

HISTORICAL TABLE  
R1 000

Month	1992*	1993*	1994*	1995*	1996*	1997*	1998*
ACTUAL VALUES							
J	14 475 661	15 299 940	16 201 243	18 972 369	21 421 828	24 871 254	25 604 698
F	17 521 807	18 649 462	19 696 094	24 073 305	25 724 557	29 162 240	29 291 657
M	18 817 998	20 481 694	21 893 931	26 313 399	27 652 533	29 245 294	31 454 309
A	16 774 488	17 605 375	19 014 509	22 571 092	25 710 889	29 772 571	29 017 532
M	17 535 072	18 354 043	19 563 266	25 355 408	27 699 658	29 927 655	29 694 212
J	17 821 269	19 597 820	21 880 147	25 777 248	27 658 896	29 928 753	31 031 100
J	18 504 264	19 576 619	22 057 569	25 192 348	27 767 486	30 550 077	30 786 422
A	17 288 766	20 370 343	21 743 035	26 600 620	28 946 695	30 746 549	29 909 473
S	18 995 280	20 772 568	23 682 251	27 235 110	28 956 710	30 716 855	31 776 321 1/
O	20 499 991	21 543 028	24 929 760	28 787 305	32 347 379	35 082 439	
N	20 494 438	22 076 528	25 922 521	29 279 635	32 321 645	32 983 171	
D	16 518 884	17 836 672	20 460 793	23 606 618	25 853 871	27 732 689	
YEAR	215 247 918	232 164 092	257 045 119	303 764 457	332 062 147	360 719 547	
SEASONALLY ADJUSTED VALUES							
J	17 577 098	18 701 170	19 857 766	23 224 925	26 096 801	30 135 511	30 913 068
F	17 721 362	18 896 837	19 977 229	24 505 336	26 246 456	29 832 613	29 987 609
M	17 644 085	19 205 040	20 548 777	24 803 980	26 202 860	27 869 190	30 063 254
A	17 915 136	18 834 850	20 336 941	24 054 248	27 274 129	31 409 412	30 527 499
M	17 837 987	18 602 053	19 731 070	25 478 827	27 750 097	29 943 628	29 697 369
J	17 623 595	19 382 952	21 650 764	25 505 555	27 363 916	29 632 337	30 766 044
J	18 396 013	19 456 325	21 932 827	25 065 921	27 638 489	30 407 227	30 651 993
A	16 672 547	19 730 221	21 117 269	25 906 145	28 188 730	29 956 195	29 128 616
S	18 031 732	19 734 455	22 566 911	26 129 683	27 911 651	29 762 768	30 911 794
O	18 628 853	19 512 536	22 503 100	25 877 216	29 038 398	31 425 908	
N	18 372 847	19 773 330	23 225 870	26 217 528	29 000 070	29 609 021	
D	18 661 427	20 130 279	22 994 880	26 456 930	28 894 996	30 954 544	

\* Revised

1/ Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING : DIVISIONS AND MAJOR GROUPS

R1 000

Manufacturing Divisions and major groups	Year	Actual values			Seasonally adjusted values		
		September	August	September	September	August	September
		1998		1997	1998		1997
		1997					1997
TOTAL	360 719 547*	31 776 321	29 909 473	30 716 855	30 911 794	29 128 616	29 762 768
Food and food products	54 843 178*	4 703 934	4 766 515	4 421 470	4 836 513	4 689 313	4 539 633
Meat, fish, fruit etc.	15 094 682	1 352 725	1 385 150	1 185 000	1 376 742	1 380 878	1 202 032
Dairy products	6 499 443	538 277	539 149	548 671	537 071	546 532	546 579
Grain mill products	16 140 703*	1 213 296	1 261 257	1 254 780	1 284 446	1 278 039	1 324 646
Other food products	17 108 350*	1 599 636	1 580 959	1 433 019	1 600 241	1 489 342	1 436 581
Beverages	18 318 615	1 578 897	1 529 962	1 540 940	1 586 847	1 575 950	1 540 637
Total textiles	10 138 416	805 748	759 854	894 192	765 622	728 377	844 715
Textiles	7 020 037	554 816	532 131	620 982	522 714	505 503	581 385
Other textile products	3 118 379*	250 932	227 723	273 210	242 446	218 477	262 242
Total Wearing apparel	9 875 497	890 251	824 014	939 676	791 653	768 054	832 547
Knitted, crocheted articles	1 531 731	123 704	118 528	116 646	120 115	117 816	112 785
Wearing apparel	8 343 766	766 547	705 486	823 030	664 719	651 415	711 706
Tanning and dressing of leather	1 826 328	174 274	166 166	143 741	172 525	161 316	141 057
Footwear	2 579 392	245 133	208 192	265 226	198 885	185 884	216 316
Wood and products of wood	6 075 424	529 455	525 155	555 464	494 225	502 631	516 358
Sawmilling and planing of wood	1 760 126	161 750	158 649	173 164	145 692	149 491	156 489
Products of wood	4 315 298	367 705	366 506	382 300	346 503	351 085	357 678
Paper and paper products	17 420 490	1 803 788	1 584 088	1 600 370	1 632 197	1 544 651	1 463 614
Total publishing and printing	10 264 567	923 276	877 029	891 200	894 928	874 178	862 317
Publishing	3 977 552	368 463	363 322	337 276	361 688	365 453	329 723
Printing, recorded media	6 287 015	554 813	513 707	553 924	530 640	505 730	529 173
Coke and refined petroleum products	20 392 769	1 843 179	1 819 809	1 530 432	1 789 883	1 769 539	1 486 830
Basic chemicals	15 541 228	1 423 846	1 176 435	1 356 835	1 388 538	1 212 073	1 319 280
Other chemical products	22 931 096	2 031 058	1 767 319	1 989 143	1 947 879	1 767 549	1 899 692
Rubber products	4 212 301	431 128	370 455	382 100	407 939	352 084	361 691
Plastic products	9 101 628	795 808	718 181	804 990	753 519	688 302	757 454
Glass and glass products	2 323 575	219 401	171 909	219 474	205 949	166 900	207 339
Other non-metallic mineral products	9 166 348	827 792	787 122	861 245	749 118	740 281	777 661
Basic iron and steel products	24 710 217	2 102 225	2 323 659	2 031 366	2 099 185	2 234 069	2 015 678
Basic precious and non-ferrous metal products	11 995 331	1 041 447	977 625	1 074 517	995 307	976 151	1 022 326
Fabricated metal products	22 327 518	2 006 110	1 732 261	1 887 299	1 957 705	1 764 542	1 835 266
Structural metal products	8 585 218	801 849	609 246	666 312	831 636	639 549	684 990
Other fabricated metal products	13 742 300	1 204 261	1 123 015	1 220 987	1 158 646	1 102 945	1 173 364
Total machinery and equipment	18 876 679	1 742 706	1 514 623	1 667 579	1 578 514	1 437 171	1 503 870
General purpose machinery	8 172 334	772 122	694 343	720 216	728 468	667 599	676 288
Special purpose machinery	8 777 703	800 359	657 856	782 048	731 540	639 170	711 234
Household appliances	1 926 642	170 225	162 424	165 315	158 147	147 502	152 105
Electrical machinery, apparatus	11 077 400*	1 001 428	963 397	973 767	959 490	920 170	927 546
Radio, television and communication apparatus	3 309 229	414 708	392 804	297 975	396 320	364 878	280 320
Professional equipment	1 159 640	79 679	70 839	95 420	77 212	69 494	91 863
Motor vehicles; trailers; parts and accessories	33 839 018	2 572 648	2 492 220	2 828 352	2 497 949	2 468 965	2 726 055
Motor vehicles	24 362 934	1 746 021	1 704 646	2 014 038	1 693 090	1 697 109	1 937 509
Bodies for motor vehicles; trailers and semi-trailers	1 735 100	134 013	133 245	153 729	129 682	132 673	147 869
Parts and accessories	7 740 984	692 614	654 329	660 585	667 425	631 724	634 599
Other transport equipment	2 264 223	172 250	130 613	122 732	159 493	94 596	111 097
Furniture	5 609 037	515 982	433 577	510 371	473 937	413 118	466 282
Other manufacturing industries	10 540 403	900 170	825 650	830 979	924 895	831 118	849 611

\* Revised

1/ Preliminary

TABLE 5 - VALUE

OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	September	August*	September	September	August	September
	1998		1997	1998		1997
Spinning, weaving and finishing of textiles	229 453	211 036	283 214	219 631	201 585	269 977
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	13 882	14 699	14 477	14 692	13 493	15 338
Other textile articles	88 037	78 881	93 597	80 312	79 100	85 500
Knitted and crocheted fabrics and articles	124 687	103 858	173 690	113 117	101 292	157 335
Wearing apparel	936 894	961 029	1 071 766	905 873	940 892	1 033 254
Sawmilling and preserving of timber	15 578	16 180	23 328	15 074	15 761	22 691
Veneer sheets, plywood, laminboard, etc.	17 720	21 053	33 876	16 986	18 158	32 064
Builders' carpentry and joinery	28 972	33 658	37 065	27 945	32 999	36 006
Pulp, paper and paperboard	251 893	399 709	241 114	250 173	357 369	242 259
Corrugated paper and paperboard and containers	281 634	281 634	272 442	278 873	291 243	269 603
Paints, varnishes and coatings	36 231	35 802	17 590	32 881	34 964	16 110
Basic iron and steel products	3 103 923	2 992 071	3 375 561	3 099 419	3 050 462	3 364 817
Steel pipe and tube mills	144 363	116 824	296 003	148 225	120 675	306 744
Basic precious and non-ferrous metal products	1 245 899	1 258 163	1 225 129	1 174 443	1 214 385	1 155 889
Metal structures, parts	1 337 333	1 529 699	1 667 990	1 311 802	1 543 134	1 636 795
Cutlery, hand tools and general hardware	31 483	31 663	36 979	32 610	32 757	38 195
Metal containers, e.g. cans and tins	42 722	40 495	50 333	44 917	44 782	52 486
Cables, wire products, springs	74 776	79 605	81 571	73 808	79 284	80 532
Metal fasteners	51 198	53 502	54 329	55 709	57 516	59 334
All other metal products	1 137 553	1 157 816	1 066 916	1 060 998	1 016 980	1 008 111
Domestic appliances	35 933	38 047	36 843	37 152	36 315	37 952
Electric motors, generators and transformers	302 587	283 261	183 244	277 365	265 172	168 226
Insulated wire and cables	207 241	208 634	293 609	204 749	202 974	290 688
Accumulators, primary cells and primary batteries	13 184	13 592	16 744	12 450	13 038	15 863
Television, radio and communication apparatus	632 939	561 340	1 178 902	609 957	540 319	1 140 823
Motor vehicles	1 456 059	1 528 667	1 092 502	1 398 720	1 543 126	1 044 876
Parts and accessories for motor vehicles	246 384	268 061	323 553	247 793	257 245	326 788
Furniture	266 369	209 030	376 763	192 466	189 167	275 116

\* Revised