

## P3041.2

### MANUFACTURING: production and sales

November 1998

Embargo: 13:00

Date: 14 January 1999

#### MANUFACTURING PRODUCTION LOWER THAN A YEAR AGO

*Manufacturing production for the first eleven months of 1998 and the three months up to November 1998 reflected decreases of 3,2% and 3,5% respectively compared with the same periods of 1997. However, manufacturing production for the last three months up to November 1998 reflected an increase of 0,4% after seasonal adjustment compared with the previous three months. Higher production was reported by 14 of the 27 manufacturing major divisions. The slight increase can to a large extent be attributed to higher production reported by the chemical and motor vehicle manufacturers for October and November 1998 while strike action took place in these divisions during August and September 1998.*

The major contributors to the increase of 0,4% were the basic chemical (0,4 of a percentage point), other chemical products (0,2 of a percentage point) and motor vehicle (0,2 of a percentage point) divisions. However, a decrease was reported by the basic iron and steel division (-0,4 of a percentage point).

The total value of sales of manufactured products for the last three months up to November 1998 reflected an increase of 1,7 % (R1 535 million) after seasonal adjustment compared with the preceding three months. The largest increases were reported by the basic chemical (11,7 % or R437 million), the other chemical products (4,6% or R269 million) and the food (1,8 % or R261 million) divisions.

#### 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).

SUMMARY - TOTAL MANUFACTURING

Period	Production indices		Sales	Percentage change of:	
	1995 = 100		R mill.	Production-indices	Sales
	Actual				
Sept. 1998 -	Nov. 1998	109,1	100 566,1	-3,5	+1,8
Sept. 1997 -	Nov. 1997	113,0	98 833,6		
Seasonally adjusted					
Sept. 1998 -	Nov. 1998	100,1	92 416,8	+0,4	+1,7
Jun. 1998 -	Aug. 1998	99,7	90 881,9		

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	89,7
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	104,7	96,8
M	89,7	87,6	86,4	101,3	102,7	105,3	100,8
J	90,0	93,0	93,7	102,0	101,4	104,1	103,0
J	92,2	92,2	95,9	102,8	103,4	107,4	103,5
A	86,5	94,3	96,2	104,9	105,5	106,6	99,1
S	94,0	96,2	103,6	107,5	104,2	108,0	104,8
O	100,5	100,5	106,1	112,1	114,4	118,6	111,0
N	100,7	103,0	109,6	111,9	113,8	112,5	111,6 1/
D	81,4	83,3	86,0	86,8	84,8	88,0	
YEAR	90,6	91,5	94,0	100,0	100,7	104,0	
SEASONALLY ADJUSTED INDICES							
J	92,4	90,9	90,7	95,3	100,1	106,6	105,8
F	93,3	91,8	91,1	99,0	98,8	103,7	103,6
M	91,3	93,6	95,0	99,7	99,0	99,9	100,6
A	92,6	89,7	92,4	96,6	101,4	111,0	102,4
M	91,6	88,9	87,1	101,4	102,3	104,5	99,9
J	89,0	92,2	93,0	101,2	100,5	103,1	102,0
J	91,3	91,0	94,2	100,7	101,0	104,7	100,8
A	83,5	91,3	93,3	101,9	102,5	103,6	96,3
S	89,3	91,3	98,3	102,3	99,3	103,3	100,6
O	91,3	91,0	95,6	100,5	102,1	105,7	98,8
N	89,8	92,0	98,1	100,4	102,3	101,4	100,8
D	92,5	94,7	98,2	99,6	98,0	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	November	October	November	November	October	November	
				1998		1997		1998		1997
				1998	1997	1998	1997			
TOTAL	100,0	104,0	111,6	111,0	112,5	100,8	98,8	101,4		
Food and food products	13,6	107,5	121,8	117,2	121,0	109,7	105,2	109,0		
Meat, fish, fruit etc.	3,9	120,2	151,8	148,1	131,9	141,8	143,8	123,2		
Dairy products	1,6	95,3	97,1	88,5	107,6	85,5	81,3	95,0		
Grain mill products	2,8	103,1	93,4	105,1	107,4	90,6	93,7	104,3		
Other food products	5,3	104,3	122,5	109,7	124,5	103,6	93,7	105,0		
Beverages	5,2	104,9	119,3	105,7	122,2	101,4	96,8	104,0		
Total textiles	3,3	102,6	103,9	105,6	110,2	93,0	92,5	98,7		
Textiles	2,0	102,0	95,7	99,0	108,3	88,0	86,5	99,9		
Other textile products	1,3	103,7	116,5	115,7	113,1	99,9	101,3	96,8		
Total Wearing apparel	3,7	93,7	105,0	109,6	105,0	88,6	87,3	88,8		
Knitted, crocheted articles	0,7	86,5	84,9	90,9	88,5	81,0	82,3	84,4		
Wearing apparel	3,0	95,2	109,3	113,7	108,6	90,5	88,2	90,0		
Tanning and dressing of leather	0,4	103,0	159,1	143,8	130,0	127,9	123,8	105,0		
Footwear	1,1	83,9	85,9	88,2	105,1	67,4	69,1	82,3		
Wood and products of wood	1,8	111,2	122,7	118,9	122,7	108,0	104,8	107,5		
Sawmilling and planing of wood	0,6	103,8	117,1	100,6	111,3	109,9	86,3	103,7		
Products of wood	1,1	115,2	125,8	128,8	128,9	108,4	112,6	110,5		
Paper and paper products	4,9	92,0	92,4	95,4	97,7	86,3	86,8	90,6		
Total publishing and printing	3,9	99,5	107,0	106,5	110,0	93,7	94,6	95,9		
Publishing	1,6	103,2	111,0	106,8	111,5	98,1	101,6	98,3		
Printing, recorded media	2,3	97,0	104,3	106,3	108,9	89,0	90,6	92,8		
Coke and refined petroleum products	6,1	105,3	114,6	108,6	101,8	112,8	107,9	99,9		
Basic chemicals	4,4	108,0	132,0	138,1	124,2	119,6	118,7	112,1		
Other chemical products	7,1	106,9	116,2	123,4	113,0	104,2	108,0	101,0		
Rubber products	1,5	98,1	103,2	91,7	112,0	93,2	88,9	101,0		
Plastic products	2,9	91,8	101,4	101,6	103,2	87,4	86,4	89,0		
Glass and glass products	1,0	97,5	111,2	92,1	114,3	92,6	83,4	95,0		
Other non-metallic mineral products	3,3	98,3	106,0	98,3	105,0	97,5	86,7	96,5		
Basic iron and steel products	5,8	100,9	87,3	100,1	98,5	89,2	97,0	100,3		
Basic precious and non-ferrous metal products	1,9	143,4	145,3	154,3	130,7	141,8	150,2	127,4		
Fabricated metal products	6,6	109,8	117,8	111,4	119,5	102,7	97,3	104,2		
Structural metal products	1,9	114,1	126,2	114,2	142,3	104,8	100,5	118,0		
Other fabricated metal product	4,7	108,1	114,3	110,2	110,2	99,0	95,2	95,7		
Total machinery and equipment	6,1	111,1	102,1	107,3	115,6	100,1	96,5	113,0		
General purpose machinery	2,5	117,6	107,7	106,9	117,1	107,7	103,6	115,9		
Special purpose machinery	3,1	106,5	93,4	101,5	112,0	92,2	87,7	110,4		
Household appliances	0,5	108,3	127,1	144,3	130,3	112,6	115,0	115,3		
Electrical machinery, apparatus	3,2	99,9	113,1	110,3	114,1	101,3	100,8	102,1		
Radio, television and communication apparatus	1,2	101,7	149,7	136,1	114,9	134,7	128,0	102,3		
Professional equipment	0,5	96,7	80,7	63,3	97,0	72,3	59,7	86,2		
Motor vehicles; trailers; parts and accessories	6,5	93,6	97,0	99,1	97,3	86,9	83,9	86,8		
Motor vehicles	3,5	93,2	82,2	86,3	94,8	74,3	71,2	85,3		
Bodies for motor vehicles; trailers and semi-trailers	0,5	72,1	89,9	67,6	77,5	76,5	63,4	66,2		
Parts and accessories	2,5	98,7	119,7	124,1	105,0	105,4	106,1	92,2		
Other transport equipment	1,0	123,8	109,7	118,4	123,0	111,2	109,1	124,2		
Furniture	1,8	109,9	121,8	123,4	136,3	93,5	94,4	104,3		
Other manufacturing industries	1,5	119,6	136,2	132,2	131,5	115,2	107,3	110,5		

\* 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	25 608 553
F	17 521 807	18 649 462	19 696 094	24 073 305	25 724 557	29 162 240	29 302 014
M	18 817 998	20 481 694	21 893 931	26 313 399	27 652 533	29 245 294	31 463 875
A	16 774 488	17 605 375	19 014 509	22 571 092	25 710 889	29 772 571	29 032 644
M	17 535 072	18 354 043	19 563 266	25 355 408	27 699 658	29 927 655	29 729 988
J	17 821 269	19 597 820	21 880 147	25 777 248	27 658 896	29 928 753	31 081 422
J	18 504 264	19 576 619	22 057 569	25 192 348	27 767 486	30 550 077	30 859 836
A	17 288 766	20 370 343	21 743 035	26 600 620	28 946 695	30 746 549	30 033 399
S	18 995 280	20 772 568	23 682 251	27 235 110	28 956 710	30 716 855	32 144 232
O	20 499 991	21 543 028	24 929 760	28 787 305	32 347 379	35 102 246	34 227 748
N	20 494 438	22 076 528	25 922 521	29 279 635	32 321 645	33 014 495	34 194 125
D	16 518 884	17 836 672	20 460 793	23 606 618	25 853 871	27 726 499	
YEAR	215 247 918	232 164 092	257 045 119	303 764 457	332 062 147	360 764 488	
SEASONALLY ADJUSTED VALUES							
J	17 576 243	18 699 887	19 856 067	23 221 815	26 087 258	30 133 782	30 916 173
F	17 720 543	18 896 264	19 976 542	24 504 031	26 239 676	29 835 491	30 001 722
M	17 643 242	19 204 985	20 550 773	24 811 603	26 211 675	27 894 215	30 101 820
A	17 911 417	18 829 121	20 331 733	24 056 934	27 286 851	31 447 912	30 581 273
M	17 841 038	18 607 391	19 741 819	25 496 875	27 785 076	29 991 965	29 775 708
J	17 625 288	19 387 455	21 660 852	25 522 571	27 403 214	29 685 521	30 868 118
J	18 397 223	19 458 600	21 939 590	25 075 185	27 666 711	30 444 520	30 758 620
A	16 674 610	19 733 236	21 123 320	25 909 821	28 203 997	29 970 013	29 255 178
S	18 030 809	19 731 776	22 565 624	26 101 232	27 864 222	29 672 987	31 155 195
O	18 627 878	19 509 332	22 465 986	25 824 127	28 884 366	31 238 506	30 405 187
N	18 371 804	19 769 760	23 230 941	26 264 725	29 042 099	29 724 399	30 856 402
D	18 661 019	20 127 097	22 988 812	26 442 355	28 888 488	30 939 579	

\* 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		
		November	October	November	November	October	November
		1998		1997	1998		1997
		1997		1998		1997	
TOTAL	360 764 488	34 194 125	34 227 748	33 014 495	30 856 402	30 405 187	29 724 399
Food and food products	54 843 178	5 272 933	5 344 218	5 167 477	4 797 748	4 757 599	4 701 122
Meat, fish, fruit etc.	15 094 682	1 509 063	1 588 651	1 412 506	1 406 371	1 475 602	1 319 160
Dairy products	6 499 443	600 074	576 138	600 240	538 091	524 285	538 141
Grain mill products	16 140 703	1 327 500	1 435 044	1 414 389	1 276 957	1 289 395	1 360 542
Other food products	17 108 350	1 836 296	1 744 385	1 740 342	1 501 660	1 473 575	1 425 623
Beverages	18 318 615	1 802 172	1 737 158	1 901 357	1 544 688	1 612 959	1 636 048
Total textiles	10 138 416	912 233	922 735	933 176	813 572	808 803	834 199
Textiles	7 020 037	612 796	622 573	638 980	557 853	549 651	583 853
Other textile products	3 118 379	299 437	300 162	294 196	256 279	259 590	251 537
Total Wearing apparel	9 875 497	988 690	1 012 410	995 701	820 626	790 576	827 279
Knitted, crocheted articles	1 531 731	135 766	133 967	134 778	126 045	126 601	125 577
Wearing apparel	8 343 766	852 924	878 443	860 923	696 218	667 073	702 185
Tanning and dressing of leather	1 826 328	223 452	216 976	196 180	178 707	185 415	157 464
Footwear	2 579 392	245 242	250 400	269 694	188 538	187 829	206 313
Wood and products of wood	6 075 424	598 558	572 957	569 638	522 109	496 737	494 867
Sawmilling and planing of wood	1 760 126	174 097	151 748	171 167	155 811	133 578	152 664
Products of wood	4 315 298	424 461	421 209	398 471	368 127	358 447	343 731
Paper and paper products	17 420 490	1 607 404	1 564 746	1 566 997	1 486 894	1 399 361	1 441 161
Total publishing and printing	10 264 567	1 026 138	1 001 252	971 895	894 424	891 587	846 485
Publishing	3 977 552	397 309	380 114	368 411	355 984	364 353	329 339
Printing, recorded media	6 287 015	628 829	621 138	603 484	533 821	539 402	512 796
Coke and refined petroleum products	20 392 769	1 766 011	1 559 699	1 710 650	1 722 359	1 545 942	1 675 947
Basic chemicals	15 555 443	1 565 409	1 633 036	1 494 208	1 381 472	1 400 178	1 312 817
Other chemical products	22 931 096	2 311 778	2 359 534	2 107 129	2 055 607	2 046 591	1 872 106
Rubber products	4 212 301	378 821	328 688	371 880	351 281	304 781	343 458
Plastic products	9 128 017	895 926	892 308	892 691	762 034	753 262	760 179
Glass and glass products	2 323 575	239 489	209 773	265 977	185 196	177 565	206 145
Other non-metallic mineral products	9 166 348	892 920	826 335	850 247	814 764	735 914	773 559
Basic iron and steel products	24 710 217	1 948 827	2 315 225	2 073 485	1 943 108	2 155 775	2 068 677
Basic precious and non-ferrous metal products	11 995 331	1 085 947	1 103 309	940 932	1 053 862	1 062 851	913 504
Fabricated metal products	22 327 518	2 112 161	2 090 680	1 948 179	1 818 686	1 845 319	1 677 650
Structural metal products	8 585 218	844 827	863 589	688 449	691 405	713 432	563 219
Other fabricated metal product	13 742 300	1 267 334	1 227 091	1 259 730	1 113 740	1 090 859	1 107 235
Total machinery and equipment	18 876 679	1 597 805	1 632 527	1 590 287	1 552 324	1 412 452	1 541 561
General purpose machinery	8 172 334	729 022	684 909	701 783	709 296	593 511	681 733
Special purpose machinery	8 777 703	672 248	726 763	687 164	666 373	620 265	678 205
Household appliances	1 926 642	196 535	220 855	201 340	165 471	170 607	170 135
Electrical machinery, apparatus	11 081 737	1 110 574	1 069 411	1 083 469	983 747	970 321	959 270
Radio, television and communication apparatus	3 309 229	394 073	414 251	318 297	369 242	389 463	294 895
Professional equipment	1 159 640	83 186	83 005	100 932	75 955	77 924	91 519
Motor vehicles; trailers; parts and accessories	33 839 018	3 249 918	3 258 145	2 917 629	2 900 379	2 748 833	2 599 741
Motor vehicles	24 362 934	2 248 123	2 277 276	2 056 315	2 034 070	1 917 639	1 851 302
Bodies for motor vehicles; trailers and semi-trailers	1 735 100	174 144	159 720	163 761	148 513	135 025	140 089
Parts and accessories	7 740 984	827 651	821 149	697 553	718 260	700 950	603 550
Other transport equipment	2 264 223	227 705	167 877	281 123	180 115	143 681	223 668
Furniture	5 609 037	614 845	607 583	581 832	474 103	466 735	448 344
Other manufacturing industries	10 540 403	1 041 908	1 053 510	913 433	970 833	925 984	844 263

\* Revised

1/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000						
Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	November 1998	October 1998	November 1997	November 1998	October 1998	November 1997
Spinning, weaving and finishing of textiles	205 221	208 464	261 175	208 261	204 833	265 142
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	10 410	13 042	9 268	11 861	13 438	10 473
Other textile articles	92 505	97 368	83 995	92 700	90 523	83 917
Knitted and crocheted fabrics and articles	118 119	125 600	157 004	114 159	116 165	150 950
Wearing apparel	1 010 781	1 069 129	1 061 024	1 008 343	1 003 828	1 061 567
Sawmilling and preserving of timber	13 556	14 462	21 391	13 825	13 987	21 944
Veneer sheets, plywood, laminboard, etc.	17 836	17 069	49 154	15 447	15 018	42 962
Builders' carpentry and joinery	37 914	36 192	34 005	36 547	31 468	33 154
Pulp, paper and paperboard	236 903	238 010	244 095	221 244	223 695	228 685
Corrugated paper and paperboard and containers	299 580	322 978	347 745	274 129	286 979	317 903
Paints, varnishes and coatings	35 995	34 581	19 667	32 911	26 280	17 983
Basic iron and steel products	3 143 706	3 191 733	3 341 857	3 133 577	3 156 756	3 322 299
Steel pipe and tube mills	158 665	159 625	210 253	155 959	159 786	204 719
Basic precious and non-ferrous metal products	1 274 282	1 336 154	1 242 081	1 279 206	1 327 254	1 254 459
Metal structures, parts	1 487 993	1 585 164	1 709 436	1 441 089	1 559 275	1 649 636
Cutlery, hand tools and general hardware	33 040	33 839	40 311	30 430	32 625	37 107
Metal containers, e.g. cans and tins	47 763	50 364	50 905	45 671	48 153	48 777
Cables, wire products, springs	77 215	77 718	84 543	74 055	74 469	80 631
Metal fasteners	25 992	23 347	51 397	27 475	24 211	54 857
All other metal products	1 083 682	1 076 242	822 472	1 151 637	1 069 332	872 089
Domestic appliances	34 634	29 231	34 909	39 727	34 870	39 529
Electric motors, generators and transformers	363 908	335 409	190 031	335 101	306 174	174 973
Insulated wire and cables	205 100	224 015	289 743	221 433	226 717	311 680
Accumulators, primary cells and primary batteries	12 559	14 741	14 435	13 518	14 543	15 583
Television, radio and						

communication apparatus	636 942	616 955	850 022	628 622	598 577	838 630
Motor vehicles	1 510 532	1 479 813	1 391 720	1 764 991	1 554 596	1 642 202
Parts and accessories for						
motor vehicles	189 002	198 235	280 717	202 279	210 412	298 924
Furniture	237 565	293 928	200 069	209 284	213 316	176 441

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\* Revised