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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

August 2020

The results in the next publication (September 2020) will be updated with weights based on national accounts value added data for 2016–2018. Currently, production indices for the manufacturing divisions and total manufacturing are calculated using weights based on national accounts value added data for 2015–2017.

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Production: results for August 2020

Table A – Key growth rates in the volume of manufacturing production

	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Year-on-year % change, unadjusted	-5,1	-48,9	-32,8	-14,0	-10,2	-10,8
Month-on-month % change, seasonally adjusted	-1,0	-44,0	28,5	21,3	5,9	3,6
3-month % change, seasonally adjusted ¹	-2,0	-16,7	-25,4	-29,4	-2,2	20,7

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production decreased by 10,8% in August 2020 compared with August 2019. The largest contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (-30,6% and contributing -2,7 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-11,7% and contributing -2,1 percentage points);
- food and beverages (-6,8% and contributing -2,0 percentage points);
- wood and wood products, paper, publishing and printing (-11,9% and contributing -1,3 percentage points); and
- petroleum, chemical products, rubber and plastic products (-5,4% and contributing -1,2 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 3,6% in August 2020 compared with July 2020. This followed month-on-month changes of 5,9% in July 2020 and 21,3% in June 2020 – see Table A.

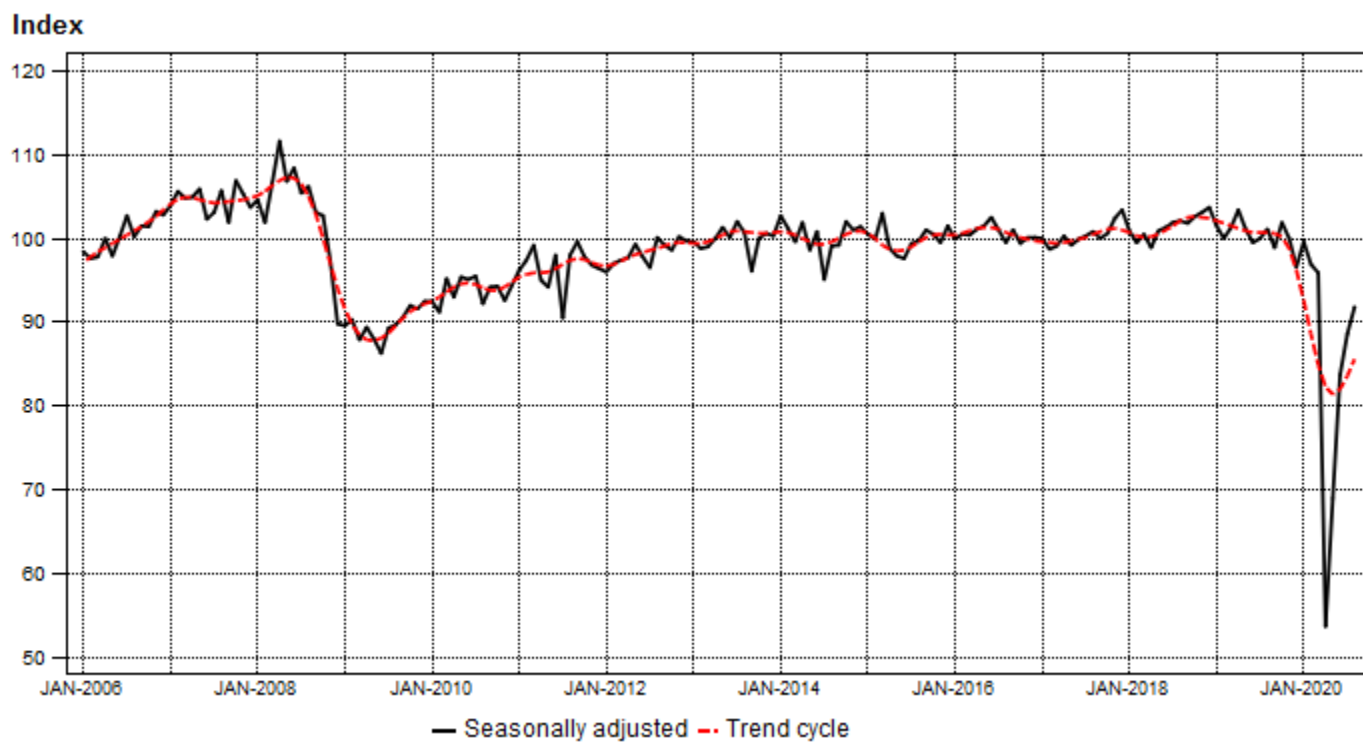
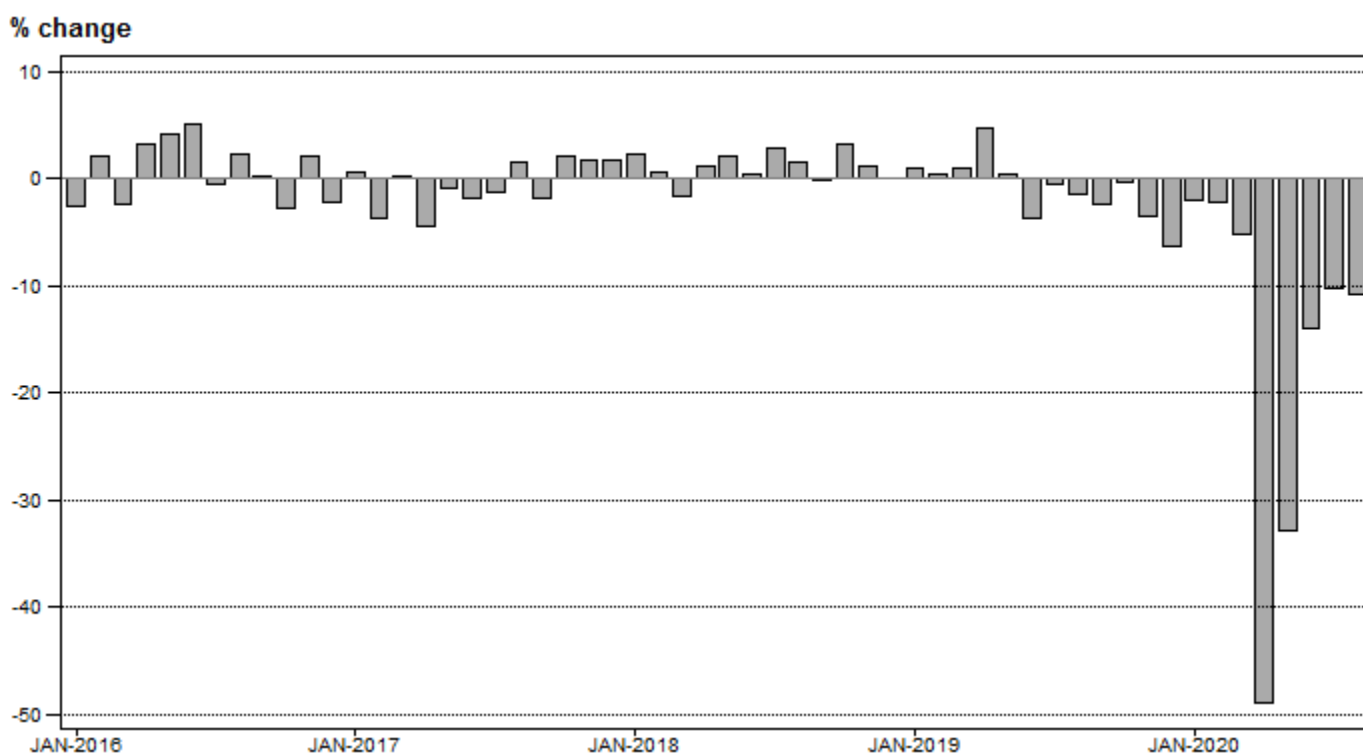
Seasonally adjusted manufacturing production increased by 20,7% in the three months ended August 2020 compared with the previous three months. All ten manufacturing divisions reported positive growth rates over this period.

The largest contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (28,6% and contributing 4,9 percentage points);
- petroleum, chemical products, rubber and plastic products (19,9% and contributing 4,8 percentage points);
- food and beverages (8,1% and contributing 2,8 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (61,3% and contributing 2,8 percentage points) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Mar – May 2020	Jun – Aug 2020	% change between Mar – May 2020 and Jun – Aug 2020	Contribution (% points) to the total % change
Food and beverages	26,64	94,0	101,6	8,1	2,8
Meat, fish, fruit, etc.	6,69	100,6	103,5	2,9	0,3
Dairy products	2,15	105,5	112,6	6,7	0,2
Grain mill products	3,37	99,6	98,0	-1,6	-0,1
Other food products	8,14	110,7	112,6	1,7	0,2
Beverages	6,29	58,3	83,3	42,9	2,2
Textiles, clothing, leather and footwear	3,12	48,3	74,9	55,1	1,1
Textiles	0,78	50,1	102,0	103,6	0,6
Other textile products	0,40	46,8	59,4	26,9	0,1
Knitted, crocheted articles	0,09	35,9	59,7	66,3	0,0
Wearing apparel	1,04	51,3	66,4	29,4	0,2
Leather and leather products	0,46	45,3	54,4	20,1	0,1
Footwear	0,35	44,2	88,7	100,7	0,2
Wood and wood products, paper, publishing and printing	11,45	67,4	78,5	16,5	1,7
Sawmilling and planing of wood	1,73	53,6	77,5	44,6	0,6
Products of wood	2,57	61,6	88,2	43,2	0,9
Paper and paper products	4,14	87,2	87,6	0,5	0,0
Publishing	1,43	51,8	58,0	12,0	0,1
Printing, recorded media	1,58	54,6	58,5	7,1	0,1
Petroleum, chemical products, rubber and plastic products	23,07	76,9	92,2	19,9	4,8
Coke, petroleum products and nuclear fuel	8,67	58,2	84,2	44,7	3,1
Basic chemicals	4,29	94,4	92,9	-1,6	-0,1
Other chemical products	6,19	90,7	100,2	10,5	0,8
Rubber products	1,24	56,1	87,7	56,3	0,5
Plastic products	2,68	87,1	99,9	14,7	0,5
Glass and non-metallic mineral products	3,18	49,2	81,1	64,8	1,4
Glass and glass products	0,66	73,1	103,7	41,9	0,3
Non-metallic mineral products	2,52	42,9	75,1	75,1	1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	66,9	86,0	28,6	4,9
Basic iron and steel products	3,57	53,4	69,7	30,5	0,8
Non-ferrous metal products	2,58	85,6	97,0	13,3	0,4
Structural metal products	1,99	51,1	76,4	49,5	0,7
Other fabricated metal products	3,79	66,2	95,8	44,7	1,5
General purpose machinery	2,58	66,3	96,7	45,9	1,1
Special purpose machinery	3,41	80,3	84,7	5,5	0,2
Household appliances	0,77	55,2	70,8	28,3	0,2
Electrical machinery	1,64	51,7	67,6	30,8	0,4
Radio, television and communication apparatus and professional equipment	1,54	60,0	79,8	33,0	0,4
Radio, television and communication apparatus	0,90	57,6	77,4	34,4	0,2
Professional equipment	0,64	63,3	83,2	31,4	0,2
Motor vehicles, parts and accessories and other transport equipment	7,56	43,7	70,5	61,3	2,8
Motor vehicles	2,82	38,0	61,3	61,3	0,9
Bodies for motor vehicles, trailers and semi-trailers	0,47	56,8	117,5	106,9	0,4
Parts and accessories	3,04	48,0	76,8	60,0	1,2
Other transport equipment	1,23	41,0	58,0	41,5	0,3
Furniture and other manufacturing	3,11	54,4	66,6	22,4	0,5
Furniture	1,07	38,4	61,5	60,2	0,3
Other manufacturing groups	2,04	62,8	69,3	10,4	0,2
Total	100	72,9	88,0	20,7	20,7

Figure 1 – Volume of manufacturing production (Base: 2015=100)**Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change**

Sales: results for August 2020**Table C – Key growth rates in manufacturing sales at current prices**

	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Year-on-year % change, unadjusted	-5,2	-50,7	-30,3	-15,8	-10,9	-11,5
Month-on-month % change, seasonally adjusted	-5,4	-46,0	37,0	18,0	6,6	5,2
3-month % change, seasonally adjusted ¹	0,5	-15,1	-26,1	-30,4	-2,1	22,1

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 5,2% in August 2020 compared with July 2020. This followed month-on-month changes of 6,6% in July 2020 and 18,0% in June 2020 – see Table C.

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division

Manufacturing division	Mar – May 2020 (R million)	Jun – Aug 2020 (R million)	% change between Mar – May 2020 and Jun – Aug 2020	Contribution (% points) to the total % change
Food and beverages	124 047	137 421	10,8	3,1
Textiles, clothing, leather and footwear	8 832	12 695	43,7	0,9
Wood and wood products, paper, publishing and printing	31 479	36 230	15,1	1,1
Petroleum, chemical products, rubber and plastic products	92 655	106 673	15,1	3,2
Glass and non-metallic mineral products	8 684	15 406	77,4	1,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	96 116	117 416	22,2	4,9
Electrical machinery	9 684	12 493	29,0	0,7
Radio, television and communication apparatus and professional equipment	4 246	5 596	31,8	0,3
Motor vehicles, parts and accessories and other transport equipment	43 089	66 836	55,1	5,5
Furniture and other manufacturing	12 566	15 838	26,0	0,8
Total	431 396	526 608	22,1	22,1

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Tables

Table 1 – Index of the volume of manufacturing production (Base: 2015=100)

Month	2014	2015	2016	2017	2018	2019	2020 ¹
Jan	88,9	87,0	84,8	85,3	87,3	88,1	86,4
Feb	95,5	95,6	97,6	94,0	94,6	95,0	93,0
Mar	99,6	103,8	101,4	101,7	100,0	101,0	95,8
Apr	94,5	92,4	95,4	91,1	92,2	96,5	49,3
May	99,2	97,4	101,4	100,6	102,8	103,2	69,3
Jun	99,8	98,8	103,8	101,9	102,4	98,7	84,9
Jul	97,5	102,0	101,5	100,3	103,1	102,5	92,0
Aug	101,4	101,2	103,5	105,2	106,9	105,3	93,9
Sep	105,5	107,0	107,3	105,3	105,2	102,8	
Oct	113,2	110,9	107,8	110,1	113,6	113,2	
Nov	111,1	109,7	112,1	114,1	115,4	111,4	
Dec	93,9	94,1	92,0	93,7	93,7	87,8	
Total	100,0	100,0	100,7	100,3	101,4	100,5	

¹ The latest four months are preliminary.

Table 2 – Year-on-year percentage change in the volume of manufacturing production

Month	2015	2016	2017	2018	2019	2020	2020 year-to-date
Jan	-2,1	-2,5	0,6	2,3	0,9	-1,9	-1,9
Feb	0,1	2,1	-3,7	0,6	0,4	-2,1	-2,1
Mar	4,2	-2,3	0,3	-1,7	1,0	-5,1	-3,2
Apr	-2,2	3,2	-4,5	1,2	4,7	-48,9	-14,8
May	-1,8	4,1	-0,8	2,2	0,4	-32,8	-18,6
Jun	-1,0	5,1	-1,8	0,5	-3,6	-14,0	-17,8
Jul	4,6	-0,5	-1,2	2,8	-0,6	-10,2	-16,8
Aug	-0,2	2,3	1,6	1,6	-1,5	-10,8	-15,9
Sep	1,4	0,3	-1,9	-0,1	-2,3		
Oct	-2,0	-2,8	2,1	3,2	-0,4		
Nov	-1,3	2,2	1,8	1,1	-3,5		
Dec	0,2	-2,2	1,8	0,0	-6,3		
Total	0,0	0,7	-0,4	1,1	-0,9		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2017	2018	2019	2020	2017	2018	2019	2020
Jan	100,0	100,9	101,5	99,6	-0,1	-2,4	-2,1	3,1
Feb	98,7	99,5	100,0	96,9	-1,3	-1,4	-1,5	-2,7
Mar	99,1	100,5	101,3	95,9	0,4	1,0	1,3	-1,0
Apr	100,3	98,9	103,4	53,7	1,2	-1,6	2,1	-44,0
May	99,2	100,9	101,1	69,0	-1,1	2,0	-2,2	28,5
Jun	99,9	101,3	99,5	83,7	0,7	0,4	-1,6	21,3
Jul	100,3	101,9	100,0	88,6	0,4	0,6	0,5	5,9
Aug	100,8	102,1	101,1	91,8	0,5	0,2	1,1	3,6
Sep	100,0	101,8	98,9		-0,8	-0,3	-2,2	
Oct	100,6	102,6	101,9		0,6	0,8	3,0	
Nov	102,4	103,1	100,0		1,8	0,5	-1,9	
Dec	103,4	103,7	96,6		1,0	0,6	-3,4	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Mar-20	Apr-20	¹ May-20	¹ Jun-20	¹ Jul-20	¹ Aug-20
Food and beverages	26,64	102,4	82,1	88,6	102,4	99,1	107,0
Meat, fish, fruit, etc.	6,69	108,6	93,3	98,5	101,5	104,2	104,1
Dairy products	2,15	109,8	95,4	100,8	100,4	107,4	115,7
Grain mill products	3,37	101,2	97,3	95,3	100,7	99,6	99,5
Other food products	8,14	97,7	105,4	112,2	120,1	124,4	129,1
Beverages	6,29	100,1	27,2	39,6	82,1	58,0	82,5
Textiles, clothing, leather and footwear	3,12	76,2	17,3	48,6	66,7	81,6	84,5
Textiles	0,78	87,4	14,1	56,2	92,7	114,5	105,6
Other textile products	0,40	83,8	19,8	39,2	52,1	63,5	64,2
Knitted, crocheted articles	0,09	66,8	6,4	40,3	56,0	58,7	75,7
Wearing apparel	1,04	68,5	16,6	56,4	60,3	72,6	81,2
Leather and leather products	0,46	62,5	34,5	43,3	45,3	50,9	57,2
Footwear	0,35	86,4	4,0	28,6	76,1	102,7	109,1
Wood and wood products, paper, publishing and printing	11,45	90,0	43,1	61,0	74,7	82,2	85,8
Sawmilling and planing of wood	1,73	87,2	32,5	48,4	65,6	90,6	90,0
Products of wood	2,57	95,5	29,4	54,1	84,1	96,1	100,7
Paper and paper products	4,14	95,7	72,3	80,4	89,8	87,5	87,6
Publishing	1,43	63,1	27,1	48,4	50,5	57,9	70,3
Printing, recorded media	1,58	93,4	14,8	46,9	51,4	58,2	66,4
Petroleum, chemical products, rubber and plastic products	23,07	93,2	57,6	73,0	88,6	96,5	95,2
Coke, petroleum products and nuclear fuel	8,67	85,4	39,2	50,1	78,8	87,8	86,0
Basic chemicals	4,29	98,7	80,8	88,0	89,9	98,2	98,5
Other chemical products	6,19	95,2	71,8	93,7	98,6	102,7	102,2
Rubber products	1,24	95,6	21,4	59,9	90,7	97,0	92,3
Plastic products	2,68	103,7	64,1	81,5	93,9	107,7	105,2
Glass and non-metallic mineral products	3,18	79,1	15,4	47,5	78,9	95,4	90,3
Glass and glass products	0,66	91,1	42,8	68,7	86,6	108,1	124,2
Non-metallic mineral products	2,52	75,9	8,2	41,9	76,9	92,1	81,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	102,8	36,6	69,4	82,0	92,7	88,1
Basic iron and steel products	3,57	113,8	22,7	48,0	56,3	62,6	67,5
Non-ferrous metal products	2,58	96,0	77,9	87,9	96,4	102,1	98,1
Structural metal products	1,99	86,2	13,1	53,5	81,7	84,5	80,6
Other fabricated metal products	3,79	95,3	26,5	80,3	89,8	110,5	103,2
General purpose machinery	2,58	96,0	34,0	68,6	91,8	112,3	102,2
Special purpose machinery	3,41	120,1	48,4	81,2	86,8	91,9	81,9
Household appliances	0,77	99,8	28,5	44,2	61,0	72,9	75,3
Electrical machinery	1,64	79,4	25,7	57,1	66,5	71,1	74,5
Radio, television and communication apparatus and professional equipment	1,54	91,8	23,1	61,7	76,6	81,2	81,1
Radio, television and communication apparatus	0,90	93,8	13,5	60,3	75,0	77,0	76,4
Professional equipment	0,64	89,0	36,5	63,7	78,9	87,1	87,6
Motor vehicles, parts and accessories and other transport equipment	7,56	96,9	2,5	36,4	62,8	86,5	86,8
Motor vehicles	2,82	84,7	0,0	29,8	55,8	80,4	83,9
Bodies for motor vehicles, trailers and semi-trailers	0,47	93,5	12,9	66,2	121,3	128,0	125,6
Parts and accessories	3,04	111,2	1,7	37,9	66,9	95,0	92,6
Other transport equipment	1,23	90,9	6,0	36,4	46,1	63,3	64,0
Furniture and other manufacturing	3,11	83,7	12,7	40,3	53,7	65,4	82,8
Furniture	1,07	74,1	8,8	23,7	47,8	60,3	81,8
Other manufacturing groups	2,04	88,8	14,8	49,1	56,9	68,2	83,3
Total	100	95,8	49,3	69,3	84,9	92,0	93,9

¹ The latest four months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Food and beverages	0,1	-19,0	-21,0	-6,3	-11,4	-6,8
Meat, fish, fruit, etc.	5,2	-8,7	-7,9	0,1	0,0	0,0
Dairy products	-4,0	-16,2	-14,4	-2,4	-2,0	-2,3
Grain mill products	4,5	3,6	-1,9	3,7	-4,3	1,9
Other food products	4,9	4,2	-12,9	-12,3	-6,5	-4,7
Beverages	-10,6	-72,9	-61,4	-9,5	-40,4	-23,3
Textiles, clothing, leather and footwear	-11,7	-79,9	-45,7	-19,2	-13,2	-10,5
Textiles	-6,8	-84,8	-46,2	-1,7	6,2	5,3
Other textile products	-6,2	-79,3	-60,3	-40,9	-28,7	-33,3
Knitted, crocheted articles	-26,6	-92,6	-55,8	-38,1	-30,9	-9,0
Wearing apparel	-16,5	-78,3	-30,3	-13,0	-23,8	-14,3
Leather and leather products	-16,7	-57,8	-44,3	-37,1	-19,6	-18,2
Footwear	-7,3	-95,8	-67,1	-25,5	-4,9	-4,3
Wood and wood products, paper, publishing and printing	-4,4	-49,2	-34,4	-21,7	-15,1	-11,9
Sawmilling and planing of wood	-16,8	-67,3	-54,6	-32,2	-18,7	-9,5
Products of wood	-1,2	-68,1	-48,1	-17,3	-5,8	-6,7
Paper and paper products	-3,1	-14,7	-13,9	-10,6	-8,5	-10,3
Publishing	-12,2	-57,3	-26,7	-35,3	-26,8	-10,8
Printing, recorded media	8,7	-80,5	-43,6	-40,2	-36,5	-29,7
Petroleum, chemical products, rubber and plastic products	-5,7	-39,6	-27,3	-1,2	3,3	-5,4
Coke, petroleum products and nuclear fuel	-21,6	-63,9	-52,1	-5,9	3,7	-15,3
Basic chemicals	23,4	2,0	-6,7	2,3	3,5	0,5
Other chemical products	1,3	-17,5	-0,8	7,5	11,3	4,7
Rubber products	-8,4	-75,1	-47,6	-8,4	-15,1	-9,2
Plastic products	-1,2	-37,8	-21,2	-8,9	-3,8	-3,2
Glass and non-metallic mineral products	-13,0	-82,8	-54,0	-15,0	-1,1	-8,7
Glass and glass products	-19,9	-58,4	-38,1	-15,6	0,5	0,9
Non-metallic mineral products	-10,6	-90,4	-58,6	-14,7	-1,6	-12,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	-7,6	-64,8	-33,7	-18,2	-8,2	-11,7
Basic iron and steel products	-7,0	-81,8	-59,4	-45,8	-31,7	-25,3
Non-ferrous metal products	-11,6	-27,7	-20,8	-6,6	-0,7	-2,6
Structural metal products	0,1	-84,8	-40,4	-9,5	-11,1	-15,8
Other fabricated metal products	-15,1	-75,8	-25,4	-9,9	2,5	-3,2
General purpose machinery	-4,5	-65,8	-32,1	-10,2	12,0	-2,8
Special purpose machinery	-6,2	-46,5	-14,7	-13,8	-11,9	-17,7
Household appliances	12,6	-67,8	-56,1	-33,6	-32,1	-24,6
Electrical machinery	-17,5	-66,7	-33,2	-20,9	-16,2	-14,4
Radio, television and communication apparatus and professional equipment	-6,7	-71,8	-27,8	-8,2	-7,8	-11,7
Radio, television and communication apparatus	-5,9	-84,4	-36,1	-8,6	-16,1	-22,6
Professional equipment	-8,0	-51,4	-13,0	-7,3	5,1	6,7
Motor vehicles, parts and accessories and other transport equipment	-9,1	-97,5	-66,6	-41,9	-29,7	-30,6
Motor vehicles	-22,5	-100,0	-72,3	-49,7	-35,1	-36,7
Bodies for motor vehicles, trailers and semi-trailers	-16,2	-89,1	-46,1	3,2	6,8	-0,9
Parts and accessories	0,3	-98,5	-69,5	-40,9	-33,4	-31,2
Other transport equipment	3,2	-91,1	-47,6	-45,6	-14,3	-23,4
Furniture and other manufacturing	-2,8	-84,8	-56,6	-42,1	-36,4	-21,7
Furniture	-5,5	-89,0	-75,0	-42,1	-29,6	-6,8
Other manufacturing groups	-1,4	-82,7	-46,5	-42,0	-39,0	-27,6
Total	-5,1	-48,9	-32,8	-14,0	-10,2	-10,8

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

Manufacturing division and major group	Weights	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Food and beverages	26,64	0,0	-5,3	-6,1	-1,9	-3,3	-2,0
Meat, fish, fruit, etc.	6,69	0,4	-0,6	-0,5	0,0	0,0	0,0
Dairy products	2,15	-0,1	-0,4	-0,4	-0,1	0,0	-0,1
Grain mill products	3,37	0,1	0,1	-0,1	0,1	-0,1	0,1
Other food products	8,14	0,4	0,4	-1,3	-1,4	-0,7	-0,5
Beverages	6,29	-0,7	-4,8	-3,8	-0,5	-2,4	-1,5
Textiles, clothing, leather and footwear	3,12	-0,3	-2,2	-1,2	-0,5	-0,4	-0,3
Textiles	0,78	0,0	-0,6	-0,4	0,0	0,1	0,0
Other textile products	0,40	0,0	-0,3	-0,2	-0,1	-0,1	-0,1
Knitted, crocheted articles	0,09	0,0	-0,1	0,0	0,0	0,0	0,0
Wearing apparel	1,04	-0,1	-0,6	-0,2	-0,1	-0,2	-0,1
Leather and leather products	0,46	-0,1	-0,2	-0,2	-0,1	-0,1	-0,1
Footwear	0,35	0,0	-0,3	-0,2	-0,1	0,0	0,0
Wood and wood products, paper, publishing and printing	11,45	-0,5	-4,9	-3,6	-2,4	-1,6	-1,3
Sawmilling and planing of wood	1,73	-0,3	-1,2	-1,0	-0,5	-0,4	-0,2
Products of wood	2,57	0,0	-1,7	-1,2	-0,5	-0,1	-0,2
Paper and paper products	4,14	-0,1	-0,5	-0,5	-0,4	-0,3	-0,4
Publishing	1,43	-0,1	-0,5	-0,2	-0,4	-0,3	-0,1
Printing, recorded media	1,58	0,1	-1,0	-0,6	-0,6	-0,5	-0,4
Petroleum, chemical products, rubber and plastic products	23,07	-1,3	-9,0	-6,1	-0,3	0,7	-1,2
Coke, petroleum products and nuclear fuel	8,67	-2,0	-6,2	-4,6	-0,4	0,3	-1,3
Basic chemicals	4,29	0,8	0,1	-0,3	0,1	0,1	0,0
Other chemical products	6,19	0,1	-1,0	0,0	0,4	0,6	0,3
Rubber products	1,24	-0,1	-0,8	-0,7	-0,1	-0,2	-0,1
Plastic products	2,68	0,0	-1,1	-0,6	-0,2	-0,1	-0,1
Glass and non-metallic mineral products	3,18	-0,4	-2,4	-1,7	-0,4	0,0	-0,3
Glass and glass products	0,66	-0,1	-0,4	-0,3	-0,1	0,0	0,0
Non-metallic mineral products	2,52	-0,2	-2,0	-1,5	-0,3	0,0	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	-1,6	-13,0	-6,4	-3,4	-1,5	-2,1
Basic iron and steel products	3,57	-0,3	-3,8	-2,4	-1,7	-1,0	-0,8
Non-ferrous metal products	2,58	-0,3	-0,8	-0,6	-0,2	0,0	-0,1
Structural metal products	1,99	0,0	-1,5	-0,7	-0,2	-0,2	-0,3
Other fabricated metal products	3,79	-0,6	-3,3	-1,0	-0,4	0,1	-0,1
General purpose machinery	2,58	-0,1	-1,7	-0,8	-0,3	0,3	-0,1
Special purpose machinery	3,41	-0,3	-1,5	-0,5	-0,5	-0,4	-0,6
Household appliances	0,77	0,1	-0,5	-0,4	-0,2	-0,3	-0,2
Electrical machinery	1,64	-0,3	-0,9	-0,5	-0,3	-0,2	-0,2
Radio, television and communication apparatus and professional equipment	1,54	-0,1	-0,9	-0,4	-0,1	-0,1	-0,2
Radio, television and communication apparatus	0,90	-0,1	-0,7	-0,3	-0,1	-0,1	-0,2
Professional equipment	0,64	0,0	-0,3	-0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	-0,7	-7,8	-5,3	-3,5	-2,7	-2,7
Motor vehicles	2,82	-0,7	-3,0	-2,1	-1,6	-1,2	-1,3
Bodies for motor vehicles, trailers and semi-trailers	0,47	-0,1	-0,5	-0,3	0,0	0,0	0,0
Parts and accessories	3,04	0,0	-3,5	-2,5	-1,4	-1,4	-1,2
Other transport equipment	1,23	0,0	-0,8	-0,4	-0,5	-0,1	-0,2
Furniture and other manufacturing	3,11	-0,1	-2,3	-1,6	-1,2	-1,1	-0,7
Furniture	1,07	0,0	-0,8	-0,7	-0,4	-0,3	-0,1
Other manufacturing groups	2,04	0,0	-1,5	-0,8	-0,9	-0,9	-0,6
Total	100	-5,1	-48,9	-32,8	-14,0	-10,2	-10,8

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Month-on-month % change
Food and beverages	26,64	85,3	89,0	102,5	97,2	105,0	8,0
Meat, fish, fruit, etc.	6,69	96,2	98,7	101,2	104,2	105,2	1,0
Dairy products	2,15	99,4	108,6	110,4	111,6	115,7	3,7
Grain mill products	3,37	102,6	97,8	97,7	97,1	99,3	2,3
Other food products	8,14	107,3	106,6	110,6	109,4	117,8	7,7
Beverages	6,29	31,0	44,4	93,4	68,9	87,5	27,0
Textiles, clothing, leather and footwear	3,12	19,8	48,9	68,2	75,4	81,1	7,6
Textiles	0,78	14,5	53,7	91,8	104,7	109,4	4,5
Other textile products	0,40	21,2	36,3	52,1	61,9	64,2	3,7
Knitted, crocheted articles	0,09	6,4	37,3	52,2	55,9	71,1	27,2
Wearing apparel	1,04	24,5	59,8	66,6	61,7	71,0	15,1
Leather and leather products	0,46	31,2	40,9	44,8	60,5	57,8	-4,5
Footwear	0,35	4,6	33,7	73,5	91,5	101,0	10,4
Wood and wood products, paper, publishing and printing	11,45	49,8	63,2	73,0	79,8	82,7	3,6
Sawmilling and planing of wood	1,73	36,3	43,4	65,1	79,3	88,1	11,1
Products of wood	2,57	31,4	56,2	78,2	90,7	95,8	5,6
Paper and paper products	4,14	84,7	83,7	87,4	89,1	86,3	-3,1
Publishing	1,43	32,8	54,5	52,4	58,9	62,6	6,3
Printing, recorded media	1,58	18,6	50,7	53,9	57,3	64,4	12,4
Petroleum, chemical products, rubber and plastic products	23,07	63,2	73,1	88,1	94,4	94,0	-0,4
Coke, petroleum products and nuclear fuel	8,67	39,2	50,1	78,8	87,8	86,0	-2,1
Basic chemicals	4,29	91,1	86,6	89,6	94,3	94,9	0,6
Other chemical products	6,19	80,6	95,6	97,9	101,4	101,3	-0,1
Rubber products	1,24	30,1	49,2	86,1	85,7	91,3	6,5
Plastic products	2,68	70,9	85,1	93,9	103,4	102,5	-0,9
Glass and non-metallic mineral products	3,18	18,8	45,3	72,0	85,7	85,5	-0,2
Glass and glass products	0,66	47,6	70,8	90,0	107,8	113,2	5,0
Non-metallic mineral products	2,52	11,3	38,6	67,3	79,9	78,2	-2,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	38,1	67,7	80,2	89,8	87,9	-2,1
Basic iron and steel products	3,57	17,9	37,9	59,5	73,4	76,1	3,7
Non-ferrous metal products	2,58	76,8	85,8	95,3	98,6	97,1	-1,5
Structural metal products	1,99	14,5	53,2	74,2	75,8	79,2	4,5
Other fabricated metal products	3,79	27,9	78,8	87,4	101,4	98,6	-2,8
General purpose machinery	2,58	35,7	68,3	86,2	105,6	98,2	-7,0
Special purpose machinery	3,41	58,6	86,5	85,6	87,2	81,2	-6,9
Household appliances	0,77	30,3	42,8	62,0	74,9	75,5	0,8
Electrical machinery	1,64	30,5	54,6	63,1	67,2	72,6	8,0
Radio, television and communication apparatus and professional equipment	1,54	26,7	65,4	79,6	81,3	78,6	-3,3
Radio, television and communication apparatus	0,90	15,6	63,8	81,1	78,9	72,2	-8,5
Professional equipment	0,64	42,1	67,6	77,5	84,6	87,6	3,5
Motor vehicles, parts and accessories and other transport equipment	7,56	8,4	31,0	57,4	74,5	79,6	6,8
Motor vehicles	2,82	10,5	21,4	49,2	62,7	72,1	15,0
Bodies for motor vehicles, trailers and semi-trailers	0,47	13,8	64,6	115,1	116,3	121,0	4,0
Parts and accessories	3,04	6,1	31,8	62,0	82,6	85,9	4,0
Other transport equipment	1,23	7,1	37,9	42,9	65,6	65,5	-0,2
Furniture and other manufacturing	3,11	26,5	42,3	56,0	62,0	81,8	31,9
Furniture	1,07	9,8	23,2	48,3	59,1	77,1	30,5
Other manufacturing groups	2,04	35,4	52,3	60,0	63,6	84,3	32,5
Total	100	53,7	69,0	83,7	88,6	91,8	3,6

Table 8 – Manufacturing sales at current prices (R million)

Month	2014	2015	2016	2017	2018	2019	2020 ¹
Jan	134 022	133 473	137 588	147 728	154 687	169 331	168 088
Feb	151 015	148 453	160 923	163 040	173 909	184 231	189 141
Mar	156 523	167 441	169 906	182 917	185 238	201 129	190 760
Apr	148 251	147 271	160 631	158 360	165 218	189 590	93 502
May	153 108	158 343	173 256	179 649	191 930	199 608	139 110
Jun	161 108	163 277	177 291	183 043	191 836	199 200	167 766
Jul	150 687	163 881	170 938	174 766	193 760	202 907	180 776
Aug	161 424	161 763	177 283	186 082	201 305	211 321	187 099
Sep	168 001	172 491	184 513	188 393	204 075	204 710	
Oct	181 283	178 929	183 891	197 103	220 644	222 511	
Nov	176 286	179 830	195 991	213 656	225 502	220 858	
Dec	152 737	155 988	163 327	173 384	182 375	176 429	
Total	1 894 445	1 931 140	2 055 538	2 148 121	2 290 479	2 381 825	

¹ The latest four months are preliminary.

Table 9 – Year-on-year percentage change in manufacturing sales at current prices

Month	2015	2016	2017	2018	2019	2020	2020 year-to-date
Jan	-0,4	3,1	7,4	4,7	9,5	-0,7	-0,7
Feb	-1,7	8,4	1,3	6,7	5,9	2,7	1,0
Mar	7,0	1,5	7,7	1,3	8,6	-5,2	-1,2
Apr	-0,7	9,1	-1,4	4,3	14,8	-50,7	-13,8
May	3,4	9,4	3,7	6,8	4,0	-30,3	-17,3
Jun	1,3	8,6	3,2	4,8	3,8	-15,8	-17,0
Jul	8,8	4,3	2,2	10,9	4,7	-10,9	-16,1
Aug	0,2	9,6	5,0	8,2	5,0	-11,5	-15,5
Sep	2,7	7,0	2,1	8,3	0,3		
Oct	-1,3	2,8	7,2	11,9	0,8		
Nov	2,0	9,0	9,0	5,5	-2,1		
Dec	2,1	4,7	6,2	5,2	-3,3		
Total	1,9	6,4	4,5	6,6	4,0		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2017	2018	2019	2020	2017	2018	2019	2020
Jan	175 291	182 187	198 222	196 052	1,2	-2,6	0,3	4,5
Feb	172 817	184 186	194 569	200 106	-1,4	1,1	-1,8	2,1
Mar	176 331	186 270	199 958	189 215	2,0	1,1	2,8	-5,4
Apr	176 369	177 108	204 885	102 204	0,0	-4,9	2,5	-46,0
May	177 984	189 823	197 084	139 977	0,9	7,2	-3,8	37,0
Jun	178 177	188 889	200 456	165 242	0,1	-0,5	1,7	18,0
Jul	177 319	193 183	199 668	176 141	-0,5	2,3	-0,4	6,6
Aug	179 697	193 599	205 291	185 225	1,3	0,2	2,8	5,2
Sep	178 970	198 464	197 239		-0,4	2,5	-3,9	
Oct	178 726	198 462	199 650		-0,1	0,0	1,2	
Nov	189 033	197 829	195 202		5,8	-0,3	-2,2	
Dec	186 990	197 715	187 673		-1,1	-0,1	-3,9	

Table 11 – Manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Mar-20	Apr-20	¹ May-20	¹ Jun-20	¹ Jul-20	¹ Aug-20
Food and beverages	47 251	35 656	37 919	44 943	42 250	47 514
Meat, fish, fruit, etc.	13 814	11 524	12 620	13 343	13 959	14 086
Dairy products	4 371	3 700	3 963	3 945	4 227	4 327
Grain mill products	7 480	6 892	7 127	7 393	7 452	7 445
Other food products	9 736	10 137	9 315	9 574	9 749	10 937
Beverages	11 850	3 403	4 894	10 688	6 862	10 719
Textiles, clothing, leather and footwear	4 564	1 340	2 835	3 827	4 263	4 835
Textiles	613	133	403	614	747	714
Other textile products	1 352	338	726	966	1 143	1 141
Knitted, crocheted articles	186	15	111	160	179	213
Wearing apparel	1 492	559	1 066	1 217	1 183	1 663
Leather and leather products	483	266	368	426	453	465
Footwear	439	29	162	444	557	639
Wood and wood products, paper, publishing and printing	13 416	6 932	9 626	11 560	12 018	13 274
Sawmilling and planing of wood	776	341	487	755	942	1 014
Products of wood	1 808	637	1 021	1 694	1 813	2 002
Paper and paper products	6 834	4 993	5 853	6 667	6 408	6 787
Publishing	1 178	522	845	943	1 028	1 395
Printing, recorded media	2 819	438	1 421	1 501	1 827	2 076
Petroleum, chemical products, rubber and plastic products	36 438	23 016	29 904	34 572	36 052	37 329
Coke, petroleum products and nuclear fuel	8 322	3 599	5 166	7 888	8 174	8 831
Basic chemicals	8 750	6 406	7 621	7 830	7 842	8 335
Other chemical products	12 143	9 182	11 711	12 152	12 723	12 811
Rubber products	1 446	332	1 047	1 337	1 521	1 416
Plastic products	5 776	3 496	4 358	5 364	5 792	5 935
Glass and non-metallic mineral products	4 946	601	3 201	4 795	5 747	5 705
Glass and glass products	859	263	612	757	1 091	1 138
Non-metallic mineral products	4 087	338	2 589	4 038	4 655	4 567
Basic iron and steel, non-ferrous metal products, metal products and machinery	44 632	18 043	34 271	38 752	41 770	40 428
Basic iron and steel products	9 425	3 281	7 331	8 569	8 639	8 993
Non-ferrous metal products	14 469	8 426	12 126	12 590	12 788	12 009
Structural metal products	3 115	611	1 894	2 853	2 978	3 033
Other fabricated metal products	6 131	1 695	4 808	5 599	6 904	6 532
General purpose machinery	4 019	1 358	3 042	3 583	4 616	4 334
Special purpose machinery	6 123	2 331	4 482	4 696	4 902	4 573
Household appliances	1 348	341	586	861	942	954
Electrical machinery	4 561	1 858	3 476	3 985	4 523	4 557
Radio, television and communication apparatus and professional equipment	2 195	580	1 490	1 822	1 857	1 919
Radio, television and communication apparatus	1 138	160	729	818	794	844
Professional equipment	1 056	420	761	1 004	1 062	1 075
Motor vehicles, parts and accessories and other transport equipment	25 530	4 186	12 672	19 171	27 302	24 556
Motor vehicles	14 223	3 423	6 986	10 812	16 149	13 414
Bodies for motor vehicles, trailers and semi-trailers	1 073	107	574	1 075	1 138	1 142
Parts and accessories	7 213	459	3 913	5 762	7 898	7 845
Other transport equipment	3 020	197	1 198	1 521	2 117	2 154
Furniture and other manufacturing	7 228	1 291	3 715	4 340	4 995	6 982
Furniture	1 200	135	399	758	956	1 239
Other manufacturing groups	6 028	1 156	3 317	3 583	4 040	5 743
Total	190 760	93 502	139 110	167 766	180 776	187 099

¹ The latest four months are preliminary.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Food and beverages	3,6	-20,7	-16,5	2,5	-6,7	-2,2
Meat, fish, fruit, etc.	7,9	-7,6	-1,5	5,6	8,0	4,4
Dairy products	0,4	-11,7	-5,6	0,1	2,1	-0,9
Grain mill products	13,5	8,5	6,5	14,1	6,1	8,6
Other food products	15,2	3,3	-1,8	1,4	-1,2	2,4
Beverages	-11,7	-72,0	-60,1	-6,0	-39,6	-18,8
Textiles, clothing, leather and footwear	-11,2	-72,6	-45,7	-21,7	-19,2	-10,8
Textiles	-10,5	-79,0	-45,2	-7,5	1,8	1,0
Other textile products	-13,2	-77,7	-56,3	-36,7	-28,3	-33,0
Knitted, crocheted articles	-24,7	-93,8	-54,5	-31,3	-21,1	-2,3
Wearing apparel	-5,1	-62,8	-30,0	-12,3	-31,2	-4,0
Leather and leather products	-14,8	-48,8	-35,7	-20,5	-2,8	-5,1
Footwear	-14,1	-93,9	-66,3	-17,6	3,7	12,9
Wood and wood products, paper, publishing and printing	-2,4	-41,6	-27,7	-17,6	-12,9	-4,2
Sawmilling and planing of wood	-16,8	-65,4	-49,5	-15,5	-1,3	7,5
Products of wood	-5,2	-64,6	-47,8	-18,4	-2,4	1,7
Paper and paper products	-3,0	-12,8	-13,1	-7,2	-4,3	-0,1
Publishing	-7,6	-55,2	-26,6	-30,9	-31,9	-0,4
Printing, recorded media	9,0	-80,1	-43,5	-40,4	-34,2	-24,4
Petroleum, chemical products, rubber and plastic products	-7,5	-41,2	-26,9	-15,0	-11,1	-11,1
Coke, petroleum products and nuclear fuel	-33,0	-73,7	-60,2	-42,8	-40,1	-32,6
Basic chemicals	7,8	-18,1	-16,6	-8,6	-4,0	-9,5
Other chemical products	5,0	-13,2	1,8	8,2	15,3	6,2
Rubber products	-5,8	-75,5	-36,5	-9,4	-4,2	-7,0
Plastic products	0,8	-39,3	-22,4	-4,3	-5,3	-2,7
Glass and non-metallic mineral products	-8,2	-88,5	-47,6	-14,9	-3,9	-6,2
Glass and glass products	-14,2	-72,5	-40,9	-19,7	2,2	4,4
Non-metallic mineral products	-6,9	-92,1	-49,0	-13,9	-5,2	-8,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	-9,1	-58,8	-25,9	-18,5	-11,6	-14,3
Basic iron and steel products	-25,0	-69,0	-37,6	-30,8	-13,7	-12,3
Non-ferrous metal products	-4,0	-39,9	-15,6	-16,0	-21,0	-24,7
Structural metal products	-2,6	-80,3	-41,6	-13,8	-14,3	-8,3
Other fabricated metal products	-9,0	-74,4	-27,0	-10,0	-0,9	-5,0
General purpose machinery	-1,1	-64,2	-24,3	-14,8	16,2	1,0
Special purpose machinery	-1,8	-49,5	-12,6	-10,3	-10,4	-14,4
Household appliances	6,7	-69,0	-50,4	-27,7	-20,3	-17,6
Electrical machinery	-16,5	-57,7	-26,7	-15,0	-6,2	-6,5
Radio, television and communication apparatus and professional equipment	-0,3	-68,7	-26,3	-4,9	-8,5	-10,8
Radio, television and communication apparatus	0,7	-82,2	-34,0	-8,8	-22,2	-26,0
Professional equipment	-1,5	-56,0	-17,0	-1,5	5,3	6,2
Motor vehicles, parts and accessories and other transport equipment	-9,8	-84,2	-55,3	-33,7	-9,7	-26,9
Motor vehicles	-7,3	-78,5	-59,0	-37,3	-9,0	-35,2
Bodies for motor vehicles, trailers and semi-trailers	-16,6	-91,9	-55,7	-16,9	-15,2	-17,7
Parts and accessories	-18,3	-93,5	-49,5	-24,2	-9,6	-10,5
Other transport equipment	6,7	-91,0	-47,3	-45,4	-12,7	-21,5
Furniture and other manufacturing	6,5	-81,2	-48,5	-38,5	-34,6	-7,5
Furniture	-5,6	-89,4	-72,2	-44,0	-32,3	-14,1
Other manufacturing groups	9,3	-79,3	-42,6	-37,2	-35,1	-5,9
Total	-5,2	-50,7	-30,3	-15,8	-10,9	-11,5

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)

Manufacturing division and major group	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Food and beverages	0,8	-4,9	-3,8	0,6	-1,5	-0,5
Meat, fish, fruit, etc.	0,5	-0,5	-0,1	0,4	0,5	0,3
Dairy products	0,0	-0,3	-0,1	0,0	0,0	0,0
Grain mill products	0,4	0,3	0,2	0,5	0,2	0,3
Other food products	0,6	0,2	-0,1	0,1	-0,1	0,1
Beverages	-0,8	-4,6	-3,7	-0,3	-2,2	-1,2
Textiles, clothing, leather and footwear	-0,3	-1,9	-1,2	-0,5	-0,5	-0,3
Textiles	0,0	-0,3	-0,2	0,0	0,0	0,0
Other textile products	-0,1	-0,6	-0,5	-0,3	-0,2	-0,3
Knitted, crocheted articles	0,0	-0,1	-0,1	0,0	0,0	0,0
Wearing apparel	0,0	-0,5	-0,2	-0,1	-0,3	0,0
Leather and leather products	0,0	-0,1	-0,1	-0,1	0,0	0,0
Footwear	0,0	-0,2	-0,2	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	-0,2	-2,6	-1,8	-1,2	-0,9	-0,3
Sawmilling and planing of wood	-0,1	-0,3	-0,2	-0,1	0,0	0,0
Products of wood	0,0	-0,6	-0,5	-0,2	0,0	0,0
Paper and paper products	-0,1	-0,4	-0,4	-0,3	-0,1	0,0
Publishing	0,0	-0,3	-0,2	-0,2	-0,2	0,0
Printing, recorded media	0,1	-0,9	-0,5	-0,5	-0,5	-0,3
Petroleum, chemical products, rubber and plastic products	-1,5	-8,5	-5,5	-3,1	-2,2	-2,2
Coke, petroleum products and nuclear fuel	-2,0	-5,3	-3,9	-3,0	-2,7	-2,0
Basic chemicals	0,3	-0,7	-0,8	-0,4	-0,2	-0,4
Other chemical products	0,3	-0,7	0,1	0,5	0,8	0,4
Rubber products	0,0	-0,5	-0,3	-0,1	0,0	-0,1
Plastic products	0,0	-1,2	-0,6	-0,1	-0,2	-0,1
Glass and non-metallic mineral products	-0,2	-2,4	-1,5	-0,4	-0,1	-0,2
Glass and glass products	-0,1	-0,4	-0,2	-0,1	0,0	0,0
Non-metallic mineral products	-0,2	-2,1	-1,2	-0,3	-0,1	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	-2,2	-13,6	-6,0	-4,4	-2,7	-3,2
Basic iron and steel products	-1,6	-3,8	-2,2	-1,9	-0,7	-0,6
Non-ferrous metal products	-0,3	-2,9	-1,1	-1,2	-1,7	-1,9
Structural metal products	0,0	-1,3	-0,7	-0,2	-0,2	-0,1
Other fabricated metal products	-0,3	-2,6	-0,9	-0,3	0,0	-0,2
General purpose machinery	0,0	-1,3	-0,5	-0,3	0,3	0,0
Special purpose machinery	-0,1	-1,2	-0,3	-0,3	-0,3	-0,4
Household appliances	0,0	-0,4	-0,3	-0,2	-0,1	-0,1
Electrical machinery	-0,4	-1,3	-0,6	-0,4	-0,1	-0,1
Radio, television and communication apparatus and professional equipment	0,0	-0,7	-0,3	0,0	-0,1	-0,1
Radio, television and communication apparatus	0,0	-0,4	-0,2	0,0	-0,1	-0,1
Professional equipment	0,0	-0,3	-0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	-1,4	-11,8	-7,9	-4,9	-1,4	-4,3
Motor vehicles	-0,6	-6,6	-5,0	-3,2	-0,8	-3,4
Bodies for motor vehicles, trailers and semi-trailers	-0,1	-0,6	-0,4	-0,1	-0,1	-0,1
Parts and accessories	-0,8	-3,5	-1,9	-0,9	-0,4	-0,4
Other transport equipment	0,1	-1,1	-0,5	-0,6	-0,2	-0,3
Furniture and other manufacturing	0,2	-2,9	-1,8	-1,4	-1,3	-0,3
Furniture	0,0	-0,6	-0,5	-0,3	-0,2	-0,1
Other manufacturing groups	0,3	-2,3	-1,2	-1,1	-1,1	-0,2
Total	-5,2	-50,7	-30,3	-15,8	-10,9	-11,5

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Month-on-month % change
Food and beverages	36 756	39 481	46 484	43 137	47 800	10,8
Meat, fish, fruit, etc.	12 134	13 004	13 295	13 949	14 063	0,8
Dairy products	3 810	4 067	4 217	4 378	4 299	-1,8
Grain mill products	7 331	7 262	7 268	7 226	7 386	2,2
Other food products	9 811	9 533	9 721	9 625	10 423	8,3
Beverages	3 669	5 615	11 982	7 959	11 629	46,1
Textiles, clothing, leather and footwear	1 422	2 810	3 869	4 109	4 717	14,8
Textiles	148	383	592	711	728	2,4
Other textile products	352	681	952	1 071	1 146	7,0
Knitted, crocheted articles	15	101	150	168	213	26,8
Wearing apparel	595	1 099	1 318	1 093	1 506	37,8
Leather and leather products	278	359	410	496	478	-3,6
Footwear	34	186	447	570	646	13,3
Wood and wood products, paper, publishing and printing	8 266	9 962	11 174	12 146	12 910	6,3
Sawmilling and planing of wood	421	457	724	856	910	6,3
Products of wood	693	1 043	1 509	1 791	1 951	8,9
Paper and paper products	5 945	5 994	6 410	6 625	6 683	0,9
Publishing	629	942	992	1 049	1 286	22,6
Printing, recorded media	578	1 526	1 538	1 825	2 081	14,0
Petroleum, chemical products, rubber and plastic products	25 225	30 187	34 333	35 446	36 894	4,1
Coke, petroleum products and nuclear fuel	3 929	5 127	7 735	7 838	8 581	9,5
Basic chemicals	6 894	7 567	7 787	7 807	8 383	7,4
Other chemical products	10 202	11 848	12 158	12 786	12 676	-0,9
Rubber products	368	1 018	1 290	1 404	1 415	0,8
Plastic products	3 832	4 627	5 363	5 611	5 839	4,1
Glass and non-metallic mineral products	749	3 055	4 568	5 364	5 474	2,1
Glass and glass products	314	623	807	1 107	1 121	1,3
Non-metallic mineral products	435	2 432	3 762	4 257	4 353	2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19 867	33 965	37 068	40 488	39 860	-1,6
Basic iron and steel products	3 411	6 872	7 883	8 817	9 047	2,6
Non-ferrous metal products	9 345	12 164	12 428	12 593	11 872	-5,7
Structural metal products	684	1 902	2 629	2 709	2 996	10,6
Other fabricated metal products	1 816	4 708	5 474	6 259	6 248	-0,2
General purpose machinery	1 625	2 916	3 288	4 537	4 098	-9,7
Special purpose machinery	2 620	4 814	4 544	4 624	4 577	-1,0
Household appliances	367	588	823	950	1 022	7,6
Electrical machinery	2 085	3 513	3 808	4 329	4 356	0,6
Radio, television and communication apparatus and professional equipment	632	1 537	1 858	1 875	1 863	-0,6
Radio, television and communication apparatus	192	748	886	840	791	-5,8
Professional equipment	440	789	972	1 035	1 072	3,6
Motor vehicles, parts and accessories and other transport equipment	5 846	11 746	17 859	24 486	24 491	0,0
Motor vehicles	5 002	6 028	9 915	14 291	13 773	-3,6
Bodies for motor vehicles, trailers and semi-trailers	106	576	995	1 012	1 110	9,7
Parts and accessories	507	3 825	5 597	7 038	7 366	4,7
Other transport equipment	231	1 317	1 352	2 144	2 243	4,6
Furniture and other manufacturing	1 356	3 722	4 221	4 760	6 857	44,1
Furniture	150	400	748	930	1 212	30,3
Other manufacturing groups	1 206	3 322	3 473	3 830	5 645	47,4
Total	102 204	139 977	165 242	176 141	185 225	5,2

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
	4	Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5	The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6	The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7	This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9	The preliminary collection rate for the survey on manufacturing production and sales was 76,6% for August 2020. The improved collection rates were 78,9% for July 2020, 80,0% for June 2020, 80,1% for May 2020 and 80,3% for April 2020.
Statistical unit	10	The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
Related publications	12	Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.

- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 081 enterprises from a population of 49 776 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2019 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

- Class limits** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 961 626	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2015. The production in the base period is set at 100.

Calculation of production index

- 6** The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7** More direct indicators are used for the value of production of the following major groups:
- tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8** For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2020	National accounts

- 9** The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 – 2020 (based on value added for 2015 – 2017)
Food and beverages	25,15	25,78	26,64
Meat, fish, fruit, etc.	6,39	6,59	6,69
Dairy products	1,89	2,00	2,15
Grain mill products	2,86	3,12	3,37
Other food products	7,62	7,74	8,14
Beverages	6,39	6,33	6,29
Textiles, clothing, leather and footwear	3,28	3,21	3,12
Textiles	0,83	0,80	0,78
Other textile products	0,41	0,41	0,40
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,10	1,08	1,04
Leather and leather products	0,49	0,48	0,46
Footwear	0,36	0,35	0,35
Wood and wood products, paper, publishing and printing	11,62	11,28	11,45
Sawmilling and planing of wood	1,71	1,69	1,73
Products of wood	2,37	2,42	2,57
Paper and paper products	4,33	4,09	4,14
Publishing	1,49	1,45	1,43
Printing, recorded media	1,72	1,63	1,58
Petroleum, chemical products, rubber and plastic products	24,01	23,82	23,07
Coke, petroleum products and nuclear fuel	9,29	9,18	8,67
Basic chemicals	4,36	4,41	4,29
Other chemical products	6,16	6,15	6,19
Rubber products	1,34	1,30	1,24
Plastic products	2,86	2,78	2,68
Glass and non-metallic mineral products	3,90	3,53	3,18
Glass and glass products	0,74	0,69	0,66
Non-metallic mineral products	3,16	2,84	2,52
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	18,74	18,69
Basic iron and steel products	3,44	3,52	3,57
Non-ferrous metal products (including precious metals)	2,73	2,60	2,58
Structural metal products	1,86	1,92	1,99
Other fabricated metal products	3,86	3,84	3,79
General purpose machinery	2,51	2,57	2,58
Special purpose machinery	3,51	3,50	3,41
Household appliances	0,81	0,79	0,77
Electrical machinery	1,65	1,63	1,64
Radio, television and communication apparatus and professional equipment	1,61	1,59	1,54
Radio, television and communication apparatus	0,93	0,92	0,90
Professional equipment	0,68	0,67	0,64
Motor vehicles, parts and accessories and other transport equipment	6,86	7,20	7,56
Motor vehicles	2,43	2,60	2,82
Bodies for motor vehicles, trailers and semi-trailers	0,46	0,48	0,47
Parts and accessories	2,76	2,89	3,04
Other transport equipment	1,21	1,23	1,23
Furniture and other manufacturing	3,20	3,22	3,11
Furniture	1,09	1,08	1,07
Other manufacturing groups	2,11	2,14	2,04
Total	100	100	100

Seasonal adjustment	10	Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: Click to Download Seasonal adjustment Manufacturing June 2017 Note: Owing to the impact of the COVID-19 lockdown, additive outlier and transitory change adjustments were applied to April 2020. Transitory (temporary) change describes a temporary effect on the level of a series after a certain point in time. The methodology will be reviewed as more data points are added to the time series.
Trend cycle	11	The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
Reliability of estimates	12	Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
	13	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
Month-on-month percentage change	14	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year (annual) percentage change	15	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Index contribution (percentage points)	16	The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
Sales contribution (percentage points)	17	The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.	
Symbols and abbreviations	BSF	Business sampling frame
	GDP	Gross domestic product
	IMF	International Monetary Fund
	ISIC	International Standard Industrial Classification
	LSS	Large sample survey
	NA	National accounts
	PPI	Producer price index
	Rm	R million
	SIC	Standard Industrial Classification of all Economic Activities
	SARS	South African Revenue Service
	SDDS	Special Data Dissemination Standard
	Stats SA	Statistics South Africa
	VAT	Value added tax
	*	Revised figures

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Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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