



**2023 GLOBAL**  
*PRODUCTS MARKETS*  
*OUTLOOK*

**Hardboard Products Industry**

**NAICS 3212196**

**Wharry Sharpe Research**



## CHAPTERS

## TABLE OF CONTENTS

User's Guide

Definitions

Global Products Markets

Regional Products Markets

Argentina

Austria

Australia

Bangladesh

Belgium

Brazil

Canada

Chile

Czech Republic

Denmark

Egypt

Finland

France

Germany

India

Indonesia

Ireland

Israel

Japan

Malaysia

Mexico

Netherlands

Nigeria

Norway

Pakistan

Philippines

Poland

Romania

Russia

Saudi Arabia

Singapore

South Africa

South Korea

Spain

Sweden

Switzerland

Thailand

Turkey

United Arab Emirates

United Kingdom

United States

Venezuela

Vietnam

Appendix

## REPORT DETAILS

### USER'S GUIDE

Wharry Sharpe Research annually publishes thousands of Global Products Markets Outlook reports. These reports feature product sales estimates and market sizing data for six historical years, two forecast years and a five-year projection for more than 40 countries.

The Global Products Markets Outlook series includes all product definitions from the U.S. Census (NAICS). Sectors include manufacturing, utilities, construction, retail, professional services, transportation, wholesale, arts/entertainment, finance, and publishing.

The Global Products Markets Outlook reports also break out industry sales by value added, intermediate inputs and gross operation surplus estimates.

Summary pages highlight 1) product sales by country and 2) product sales by region (North America, Europe, Asia-Pacific, Latin America, Africa, and Middle East).

Additional data includes supply of commodities and use of commodities estimates. The supply of commodities is the the amount of each commodity that is produced domestically by each industry. The use of commodities is the amount of a commodity purchased by each industry as an intermediate input into the industry's production process.

The reports do not list companies in each country and industry but provides only market sizing data for our clients that only need the data rather than the additional expense of company lists (or written analysis).

Product analysis users will find the Global Products Markets Outlook reports useful for 1) market sizing, 2) sales forecasting, 3) competitive intelligence, and 4) sales territory potentials. Budgeters and planners use the Outlook reports for future capital expenditures and resource allocation. Investors use the Outlook reports for analyzing growth investments.

## METHODOLOGY

### DEFINITIONS

Wharry Sharpe Research annually publishes thousands of Global Products Markets Outlook reports. These reports feature industry sales estimates and market sizing data for six historical years, two forecast years and a five-year projection for more than 40 countries.

The methodology for the Global Products Markets Outlook reports is based on Wharry Sharpe's unique estimation database and numerous sources:

1. The basis of the historical sales data is the U.S. Census Economic Survey.
2. The basis of the Value Added, Intermediate Inputs, Gross Output Surplus, Supply of Commodities and Use of Commodities is the U.S. Bureau of Economic Analysis.
3. Forecasts and projections use this historical data to estimate future industry (with regression analysis).
4. Weights and adjustments are made to industry sales and country GDP measures when they are outside acceptable ranges.
5. Country GDP data (historical) is based on World Bank databases. Forecast GDP data uses regression analysis for future trends and horizontal weights for the global GDP summary.
6. Product sales by country use the proportion by products to the relative size of each country (by GDP).
7. Product sales by country also are weighted by sector ratios of GDP for manufacturing, retail and service sectors.

## Hardboard Products Industry

### PRODUCTS SALES OUTLOOK

# GLOBAL PRODUCTS

Country	Products Sales (USD\$ Millions)			
	2021	2022	2023	2024
Argentina	15.1	13.7	12.5	11.2
Australia	20.2	19.2	19.2	17.7
Austria	18.9	20.1	20.1	19.3
Bangladesh	25.0	27.3	27.3	29.6
Belgium	18.5	17.6	17.6	16.9
Brazil	39.6	34.8	34.8	30.9
Canada	60.7	58.4	58.4	56.6
Chile	6.7	6.0	6.0	5.4
China	1,173.6	1,167.2	1,167.2	1,159.2
Czech Republic	16.3	15.9	15.9	15.4
Denmark	14.2	13.9	13.9	13.6
Egypt, Arab Rep.	16.7	16.5	16.5	16.3
Finland	11.0	10.5	10.5	10.0
France	71.4	66.6	66.6	62.5
Germany	201.6	187.8	187.8	175.5
India	109.1	105.5	105.5	102.0
Indonesia	64.6	64.1	64.1	63.6
Ireland	45.1	46.8	46.8	48.5
Israel	13.5	13.3	13.3	13.1
Italy	81.2	75.9	75.9	71.4
Japan	297.8	288.4	288.4	280.1
Korea, Rep.	118.6	112.5	112.5	107.0
Malaysia	23.2	23.0	23.0	22.8
Mexico	54.9	50.7	50.7	47.2
Netherlands	29.0	28.3	28.3	27.7
Nigeria	17.2	17.9	17.9	18.8
Norway	6.4	5.8	5.8	5.2
Pakistan	10.1	9.5	9.5	9.0
Philippines	19.8	19.6	19.6	19.3
Poland	27.6	26.6	26.6	25.6
Romania	12.3	11.8	11.8	11.4
Russian Federation	62.3	60.7	60.7	59.3
Saudi Arabia	27.1	26.1	26.1	25.2
Singapore	22.2	22.2	22.2	22.2
South Africa	11.2	10.5	10.5	9.8
Spain	39.4	36.1	36.1	33.2

Source: Wharry Sharpe Research

\*2022-2024 Forecast

# Hardboard Products Industry

## PRODUCTS SALES OUTLOOK

GLOBAL PRODUCTS

Country	Products Sales (USD\$ Millions)			
	2021	2022	2023	2024
Sweden	18.3	16.8	16.8	15.5
Switzerland	40.0	38.9	38.9	38.0
Thailand	40.6	40.5	40.5	40.3
Turkey	39.5	36.6	36.6	34.2
United Arab Emirat	10.3	9.9	9.9	9.5
United Kingdom	65.9	60.0	60.0	55.1
United States	705.6	698.6	698.6	693.0
Venezuela, RB	10.2	9.4	9.4	8.7
Vietnam	17.5	18.5	18.5	19.6
Rest of World	229.6	221.4	136.7	96.1
GLOBAL	3,979.7	3,881.4	3,795.6	3,672.6

Source: Wharry Sharpe Research

\*2022-2024 Forecast

# Hardboard Products Industry

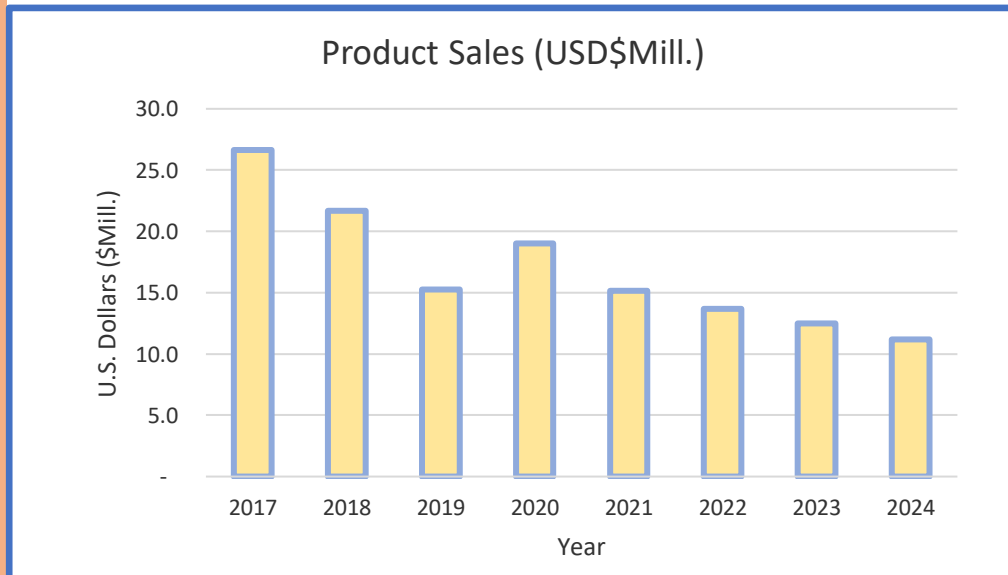
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4,206.2		
2018	4,501.9	2017-2018	7.0%
2019	3,586.6	2018-2019	-20.3%
2020	4,226.4	2019-2020	17.8%
2021	3,979.7	2020-2021	-5.8%
2022	3,881.4	2021-2022	-2.5%
2023	3,795.6	2022-2023	-2.2%
2024	3,672.6	2023-2024	-3.2%
2029	3,275.0	CAGR 2024-2029	-10.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Global

The Hardboard Products Industry is forecast to be \$3,795.6 million dollars in 2023 and to change by -2.2 percent from 2022 to 2023 in the world. The product markets will be \$3,672.6 million dollars in 2024 and is forecast to change by -3.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1,620.8		
2018	1,734.8	2017-2018	7.0%
2019	1,382.1	2018-2019	-20.3%
2020	1,628.6	2019-2020	17.8%
2021	1,533.6	2020-2021	-5.8%
2022	1,495.7	2021-2022	-2.5%
2023	1,462.6	2022-2023	-2.2%
2024	1,415.2	2023-2024	-3.2%
2029	1,262.0	CAGR 2024-2029	-10.8%

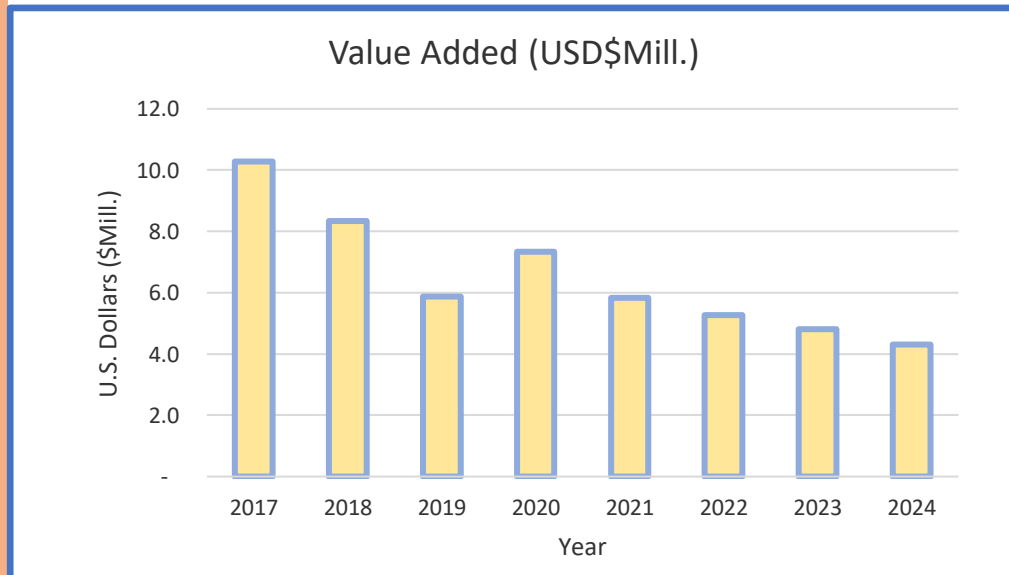
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Global

The Hardboard Products Industry

value added will be \$3,795.6 million dollars in 2023 and to change by -2.2 percent from 2022 to 2023 in the world.

The value added will be \$3,672.6 million dollars in 2024 and is forecast to change by -3.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

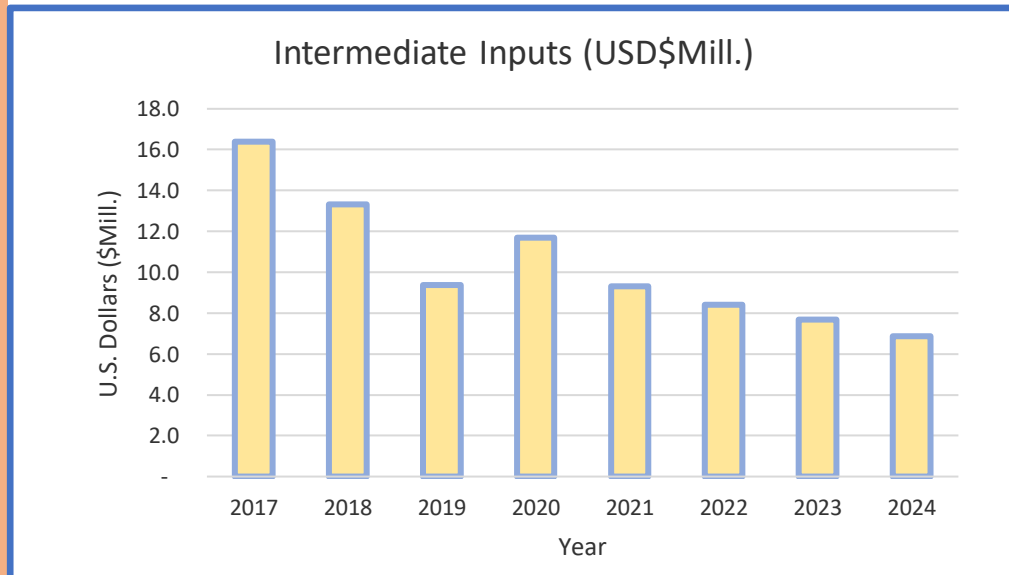
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2,585.4		
2018	2,767.1	2017-2018	7.0%
2019	2,204.5	2018-2019	-20.3%
2020	2,597.8	2018-2020	17.8%
2021	2,446.2	2020-2021	-5.8%
2022	2,385.7	2021-2022	-2.5%
2023	2,333.0	2022-2023	-2.2%
2024	2,257.4	2023-2024	-3.2%
2029	2,013.0	CAGR 2024-2029	-10.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Global

The Hardboard Products Industry intermediate inputs will be \$3,795.6 million dollars in 2023 and to change by -2.2 percent from 2022 to 2023 in the world. The intermediate inputs will be \$3,672.6 million dollars in 2024 and is forecast to change by -3.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	657.1		
2018	703.3	2017-2018	7.0%
2019	560.3	2018-2019	-20.3%
2020	660.3	2018-2020	17.8%
2021	621.7	2020-2021	-5.8%
2022	606.4	2021-2022	-2.5%
2023	593.0	2022-2023	-2.2%
2024	573.8	2023-2024	-3.2%
2029	511.6	CAGR 2024-2029	-10.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Global

The Hardboard Products Industry

gross operating surplus will be \$3,795.6 million dollars in 2023 and to change by -2.2 percent from 2022 to 2023 in the world.

The gross operating surplus will be \$3,672.6 million dollars in 2024 and is forecast to change by -3.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## 2023 Supply of Commodites by Product

Argentina

	(USD\$ Mill.)
111CA Farms	--
113FF Forestry, fishing, and related activities	--
211 Oil and gas extraction	--
212 Mining, except oil and gas	--
213 Support activities for mining	--
22 Utilities	--
23 Construction	0.1
321 Wood products	--
327 Nonmetallic mineral products	--
331 Primary metals	0.0
332 Fabricated metal products	0.2
333 Machinery	0.5
334 Computer and electronic products	--
335 Electrical equipment, appliances, and components	--
3361MV Motor vehicles, bodies and trailers, and parts	2.6
3364OT Other transportation equipment	-
337 Furniture and related products	3.0
339 Miscellaneous manufacturing	2.6
311FT Food and beverage and tobacco products	--
313TT Textile mills and textile product mills	519.5
315AL Apparel and leather and allied products	18.1
322 Paper products	0.1
323 Printing and related support activities	0.3
324 Petroleum and coal products	--
325 Chemical products	32.3
326 Plastics and rubber products	1.1
42 Wholesale trade	7.8
441 Motor vehicle and parts dealers	--
445 Food and beverage stores	--
452 General merchandise stores	--
4A0 Other retail	--
481 Air transportation	--
482 Rail transportation	--

Source: Wharry Sharpe Research

Examples of transactions of Supply of Commodities include the following: Printing commodity completed within the publishing industry, packaging (paper) commodities supplied within by the food manufacturing industry, computer design services supplied within by the insurance industry.

# Hardboard Products Industry

## 2023 Supply of Commodites by Product

Argentina

	(USD\$ Mill.)
483 Water transportation	--
484 Truck transportation	--
485 Transit and ground passenger transportation	--
486 Pipeline transportation	--
487OS Other transportation and support activities	--
493 Warehousing and storage	--
511 Publishing industries, except internet (includes so	--
512 Motion picture and sound recording industries	--
513 Broadcasting and telecommunications	--
514 Data processing, internet publishing, and other inf	--
521CI Federal Reserve banks, credit intermediation, ar	--
523 Securities, commodity contracts, and investments	--
524 Insurance carriers and related activities	--
525 Funds, trusts, and other financial vehicles	--
HS Housing	--
ORE Other real estate	--
532RL Rental and leasing services and lessors of intang	--
5411 Legal services	--
5415 Computer systems design and related services	0.1
5412OP Miscellaneous professional, scientific, and tec	4.3
55 Management of companies and enterprises	--
561 Administrative and support services	--
562 Waste management and remediation services	--
61 Educational services	--
621 Ambulatory health care services	--
622 Hospitals	--
623 Nursing and residential care facilities	--
624 Social assistance	--
711AS Performing arts, spectator sports, museums, an	--
713 Amusements, gambling, and recreation industries	--
721 Accommodation	--
722 Food services and drinking places	--
81 Other services, except government	--

Source: Wharry Sharpe Research

Examples of transactions of Supply of Commodities include the following: Printing commodity completed within the publishing industry, packaging (paper) commodities supplied within by the food manufacturing industry, computer design services supplied within by the insurance industry.

# Hardboard Products Industry

## 2023 Supply of Commodites by Product

Argentina

	(USD\$ Mill.)
GFGD Federal general government (defense)	--
GFGN Federal general government (nondefense)	--
GFE Federal government enterprises	--
GSLG State and local general government	--
GSLE State and local government enterprises	--
Other Noncomparable imports and rest-of-the-world a	--
Used Scrap, used and secondhand goods	-
T017 Total industry supply	592.6

Source: Wharry Sharpe Research

Examples of transactions of Supply of Commodities include the following: Printing commodity completed wihtin the publishing industry, packaging (paper) commodities supplied within by the food manufacturing industry, computer design services supplied within by the insurance industry.

## Hardboard Products Industry

### 2023 Use of Commodities by Product

Argentina

	(USD\$ Mill.)
111CA Farms	40.7
113FF Forestry, fishing, and related activities	--
211 Oil and gas extraction	--
212 Mining, except oil and gas	0.5
213 Support activities for mining	--
22 Utilities	9.9
23 Construction	0.9
321 Wood products	0.9
327 Nonmetallic mineral products	2.8
331 Primary metals	4.5
332 Fabricated metal products	9.8
333 Machinery	0.5
334 Computer and electronic products	12.9
335 Electrical equipment, appliances, and components	1.3
3361MV Motor vehicles, bodies and trailers, and parts	1.3
3364OT Other transportation equipment	--
337 Furniture and related products	--
339 Miscellaneous manufacturing	1.9
311FT Food and beverage and tobacco products	0.1
313TT Textile mills and textile product mills	123.3
315AL Apparel and leather and allied products	7.3
322 Paper products	7.6
323 Printing and related support activities	--
324 Petroleum and coal products	1.0
325 Chemical products	133.1
326 Plastics and rubber products	5.9
42 Wholesale trade	2.9
441 Motor vehicle and parts dealers	--
445 Food and beverage stores	--
452 General merchandise stores	--
4A0 Other retail	--
481 Air transportation	0.3
482 Rail transportation	--

Source: Wharry Sharpe Research

Examples of transactions of Use of Commodities include the following: Shipments of processed steel from the steel industry to automotive plants, sales of appliances to consumers, paper consumed by printing companies, and energy (gas, electricity) used by manufacturers.

## Hardboard Products Industry

### 2023 Use of Commodites by Product

Argentina

	(USD\$ Mill.)
483 Water transportation	--
484 Truck transportation	0.6
485 Transit and ground passenger transportation	0.1
486 Pipeline transportation	--
487OS Other transportation and support activities	1.2
493 Warehousing and storage	20.3
511 Publishing industries, except internet (includes so	--
512 Motion picture and sound recording industries	--
513 Broadcasting and telecommunications	0.8
514 Data processing, internet publishing, and other inf	2.6
521CI Federal Reserve banks, credit intermediation, ar	2.4
523 Securities, commodity contracts, and investments	0.2
524 Insurance carriers and related activities	3.9
525 Funds, trusts, and other financial vehicles	--
HS Housing	--
ORE Other real estate	6.8
532RL Rental and leasing services and lessors of intang	1.4
5411 Legal services	2.7
5415 Computer systems design and related services	0.9
5412OP Miscellaneous professional, scientific, and tec	16.9
55 Management of companies and enterprises	15.5
561 Administrative and support services	5.3
562 Waste management and remediation services	1.0
61 Educational services	--
621 Ambulatory health care services	--
622 Hospitals	--
623 Nursing and residential care facilities	--
624 Social assistance	--
711AS Performing arts, spectator sports, museums, an	0.1
713 Amusements, gambling, and recreation industries	0.0
721 Accommodation	0.3
722 Food services and drinking places	0.5
81 Other services, except government	2.5

Source: Wharry Sharpe Research

Examples of transactions of Use of Commodities include the following: Shipments of processed steel from the steel industry to automotive plants, sales of appliances to consumers, paper consumed by printing companies, and energy (gas, electricity) used by manufacturers.





## Hardboard Products Industry

### PRODUCTS SALES OUTLOOK

# REGIONAL PRODUCTS

Region	Products Sales (USD\$ Millions)			
	2021	2022	2023	2024
North America	821.2	807.7	796.8	776.3
Latin America	61.5	54.5	48.8	42.9
Europe	675.4	640.4	607.8	568.9
Asia-Pacific	1,962.2	1,932.4	1,902.6	1,854.4
Middle East	66.6	62.7	59.5	55.5
Africa	45.2	44.9	44.9	44.3
GLOBAL	3,586.9	3,497.7	3,415.5	3,298.1

#### Regional Distribution

	2021	2022	2023	2024
North America	22.9%	23.1%	23.3%	23.5%
Latin America	1.7%	1.6%	1.4%	1.3%
Europe	18.8%	18.3%	17.8%	17.2%
Asia-Pacific	54.7%	55.2%	55.7%	56.2%
Middle East	1.9%	1.8%	1.7%	1.7%
Africa	1.3%	1.3%	1.3%	1.3%
GLOBAL	100.0%	100.0%	100.0%	100.0%

#### Year-to-Year Change

	2021-2022	2022-2023	2023-2024
North America	-1.6%	-1.4%	-2.6%
Latin America	-11.3%	-10.4%	-12.1%
Europe	-5.2%	-5.1%	-6.4%
Asia-Pacific	-1.5%	-1.5%	-2.5%
Middle East	-5.9%	-5.2%	-6.7%
Africa	-0.7%	0.0%	-1.3%
GLOBAL	-2.5%	-2.4%	-3.4%

Source: Wharry Sharpe Research

\*2022-2024 Forecast

# Hardboard Products Industry

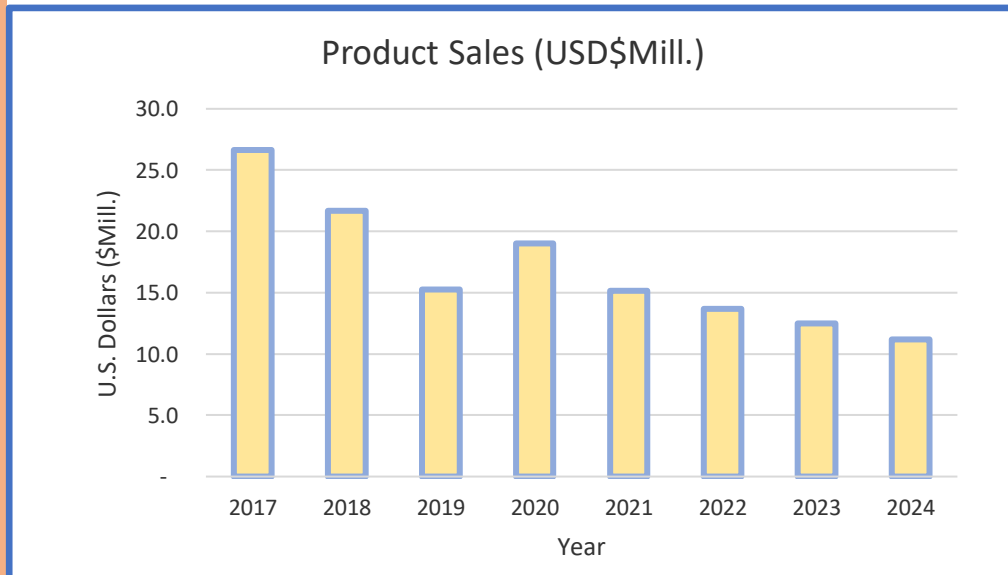
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	26.7		
2018	21.7	2017-2018	-18.7%
2019	15.2	2018-2019	-29.6%
2020	19.0	2019-2020	24.7%
2021	15.1	2020-2021	-20.4%
2022	13.7	2021-2022	-9.7%
2023	12.5	2022-2023	-8.7%
2024	11.2	2023-2024	-10.5%
2029	7.7	CAGR 2024-2029	-31.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$12.5 million dollars in 2023 and to change by -8.7 percent from 2022 to 2023 in Argentina. The product markets will be \$11.2 million dollars in 2024 and is forecast to change by -10.5 percent from 2023 to 2024.

Argentina



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

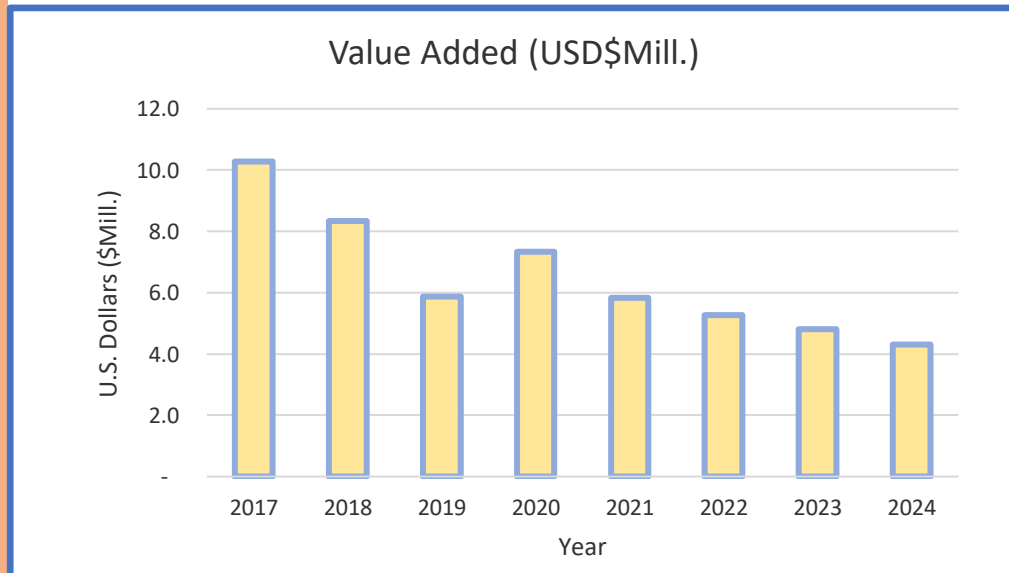
Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	10.3		
2018	8.3	2017-2018	-18.7%
2019	5.9	2018-2019	-29.6%
2020	7.3	2019-2020	24.7%
2021	5.8	2020-2021	-20.4%
2022	5.3	2021-2022	-9.7%
2023	4.8	2022-2023	-8.7%
2024	4.3	2023-2024	-10.5%
2029	3.0	CAGR 2024-2029	-31.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Argentina

The Hardboard Products Industry value added will be \$12.5 million dollars in 2023 and to change by -8.7 percent from 2022 to 2023 in Argentina.

The value added will be \$11.2 million dollars in 2024 and is forecast to change by -10.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

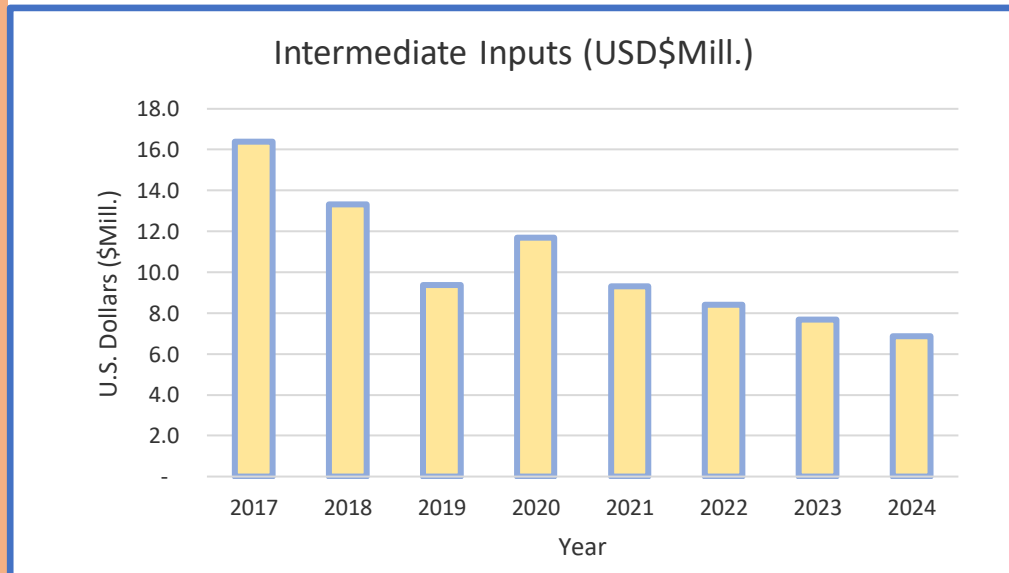
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	16.4		
2018	13.3	2017-2018	-18.7%
2019	9.4	2018-2019	-29.6%
2020	11.7	2018-2020	24.7%
2021	9.3	2020-2021	-20.4%
2022	8.4	2021-2022	-9.7%
2023	7.7	2022-2023	-8.7%
2024	6.9	2023-2024	-10.5%
2029	4.7	CAGR 2024-2029	-31.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Argentina

The Hardboard Products Industry intermediate inputs will be \$12.5 million dollars in 2023 and to change by -8.7 percent from 2022 to 2023 in Argentina. The intermediate inputs will be \$11.2 million dollars in 2024 and is forecast to change by -10.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.2		
2018	3.4	2017-2018	-18.7%
2019	2.4	2018-2019	-29.6%
2020	3.0	2018-2020	24.7%
2021	2.4	2020-2021	-20.4%
2022	2.1	2021-2022	-9.7%
2023	2.0	2022-2023	-8.7%
2024	1.7	2023-2024	-10.5%
2029	1.2	CAGR 2024-2029	-31.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Argentina

The Hardboard Products Industry gross operating surplus will be \$12.5 million dollars in 2023 and to change by -8.7 percent from 2022 to 2023 in Argentina. The gross operating surplus will be \$11.2 million dollars in 2024 and is forecast to change by -10.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

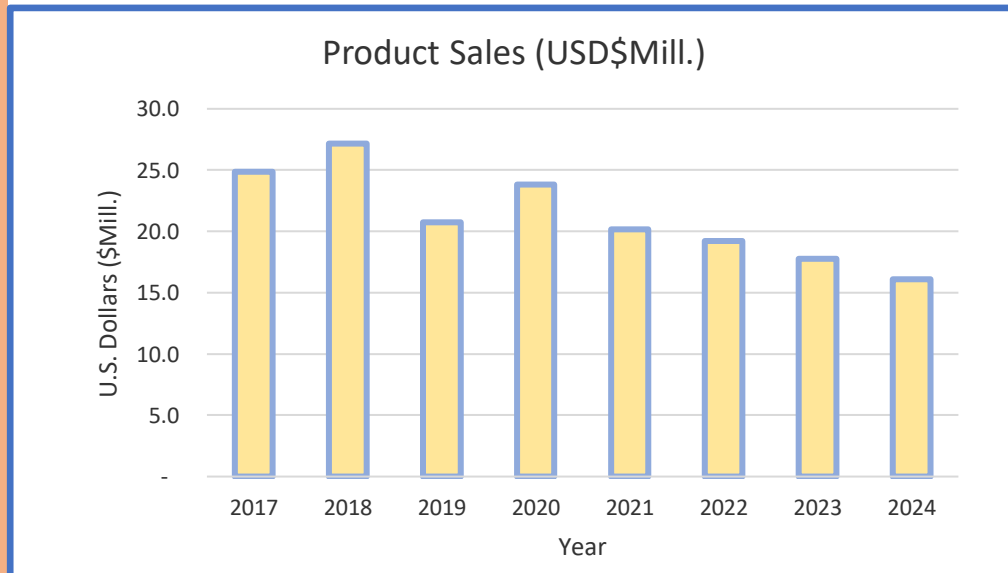
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	24.9		
2018	27.2	2017-2018	9.3%
2019	20.7	2018-2019	-23.7%
2020	23.8	2019-2020	14.9%
2021	20.2	2020-2021	-15.4%
2022	19.2	2021-2022	-4.7%
2023	17.7	2022-2023	-7.7%
2024	16.1	2023-2024	-9.2%
2029	11.2	CAGR 2024-2029	-30.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Australia

The Hardboard Products Industry is forecast to be \$17.7 million dollars in 2023 and to change by -7.7 percent from 2022 to 2023 in Australia. The product markets will be \$16.1 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	9.6		
2018	10.5	2017-2018	9.3%
2019	8.0	2018-2019	-23.7%
2020	9.2	2019-2020	14.9%
2021	7.8	2020-2021	-15.4%
2022	7.4	2021-2022	-4.7%
2023	6.8	2022-2023	-7.7%
2024	6.2	2023-2024	-9.2%
2029	4.3	CAGR 2024-2029	-30.4%

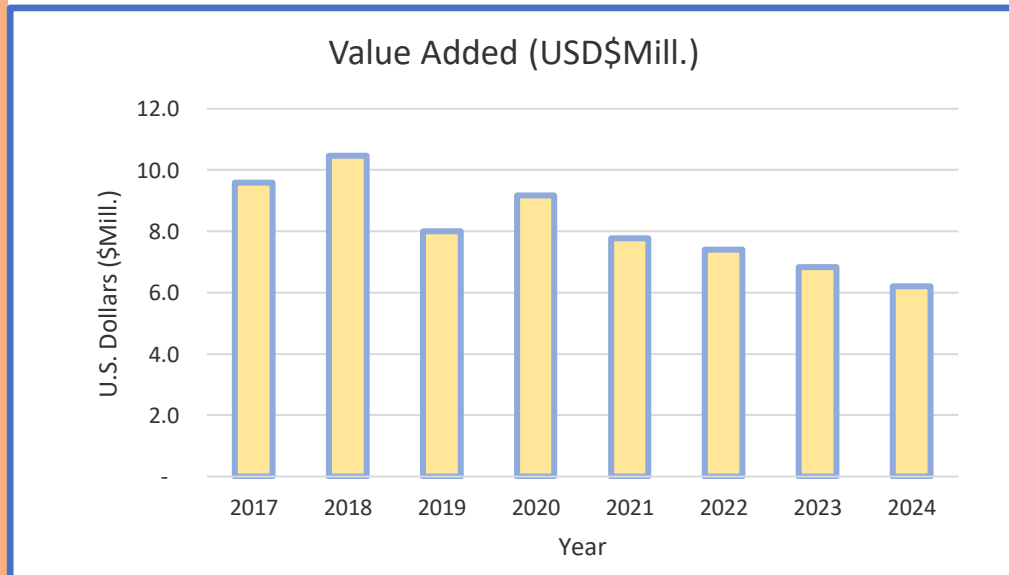
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Australia

The Hardboard Products Industry

value added will be \$17.7 million dollars in 2023 and to change by -7.7 percent from 2022 to 2023 in Australia.

The value added will be \$16.1 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

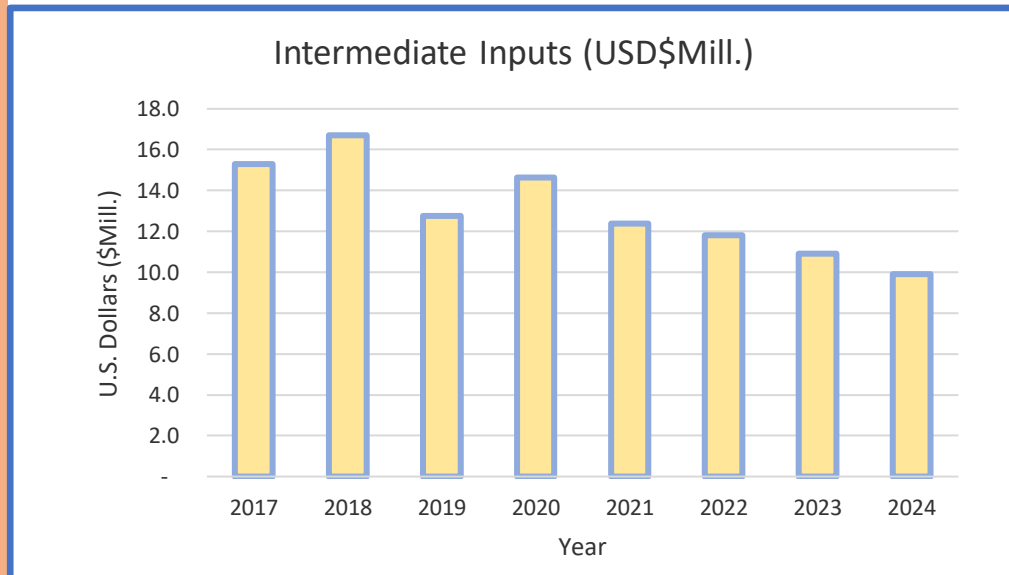
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	15.3		
2018	16.7	2017-2018	9.3%
2019	12.8	2018-2019	-23.7%
2020	14.6	2018-2020	14.9%
2021	12.4	2020-2021	-15.4%
2022	11.8	2021-2022	-4.7%
2023	10.9	2022-2023	-7.7%
2024	9.9	2023-2024	-9.2%
2029	6.9	CAGR 2024-2029	-30.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Australia

The Hardboard Products Industry intermediate inputs will be \$17.7 million dollars in 2023 and to change by -7.7 percent from 2022 to 2023 in Australia. The intermediate inputs will be \$16.1 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.9		
2018	4.2	2017-2018	9.3%
2019	3.2	2018-2019	-23.7%
2020	3.7	2018-2020	14.9%
2021	3.2	2020-2021	-15.4%
2022	3.0	2021-2022	-4.7%
2023	2.8	2022-2023	-7.7%
2024	2.5	2023-2024	-9.2%
2029	1.8	CAGR 2024-2029	-30.4%

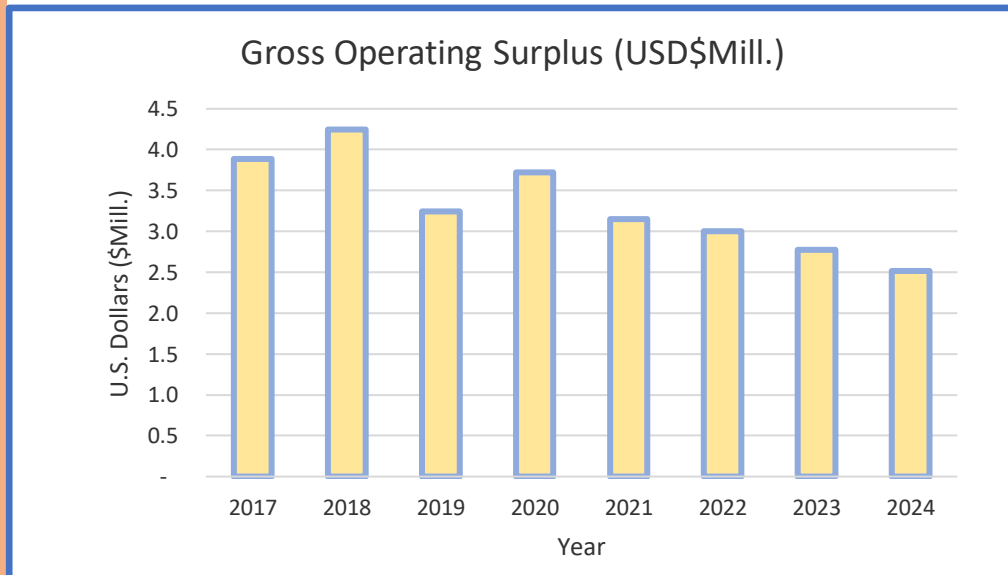
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Australia

The Hardboard Products Industry

gross operating surplus will be \$17.7 million dollars in 2023 and to change by -7.7 percent from 2022 to 2023 in Australia.

The gross operating surplus will be \$16.1 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

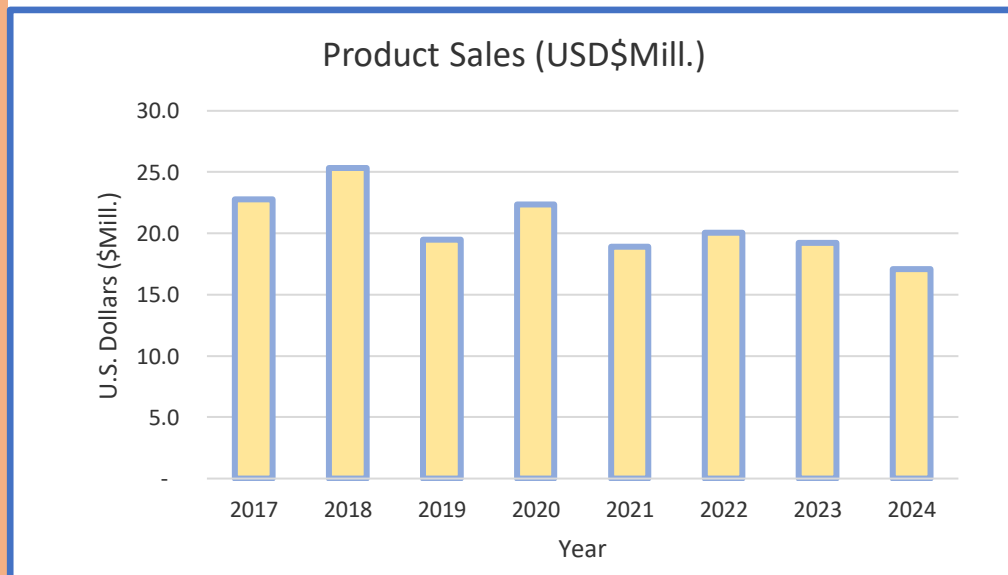
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	22.8		
2018	25.3	2017-2018	11.1%
2019	19.5	2018-2019	-23.1%
2020	22.4	2019-2020	15.0%
2021	18.9	2020-2021	-15.5%
2022	20.1	2021-2022	6.1%
2023	19.3	2022-2023	-4.0%
2024	17.1	2023-2024	-11.2%
2029	14.8	CAGR 2024-2029	-13.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Austria

The Hardboard Products Industry is forecast to be \$19.3 million dollars in 2023 and to change by -4 percent from 2022 to 2023 in Austria. The product markets will be \$17.1 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

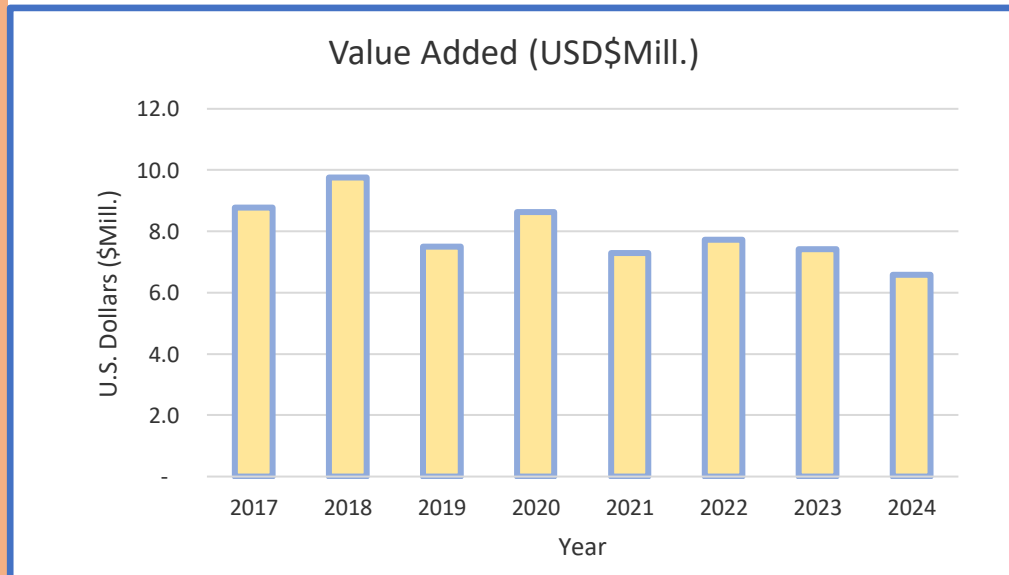
Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.8		
2018	9.8	2017-2018	11.1%
2019	7.5	2018-2019	-23.1%
2020	8.6	2019-2020	15.0%
2021	7.3	2020-2021	-15.5%
2022	7.7	2021-2022	6.1%
2023	7.4	2022-2023	-4.0%
2024	6.6	2023-2024	-11.2%
2029	5.7	CAGR 2024-2029	-13.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Austria

The Hardboard Products Industry value added will be \$19.3 million dollars in 2023 and to change by -4 percent from 2022 to 2023 in Austria.

The value added will be \$17.1 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

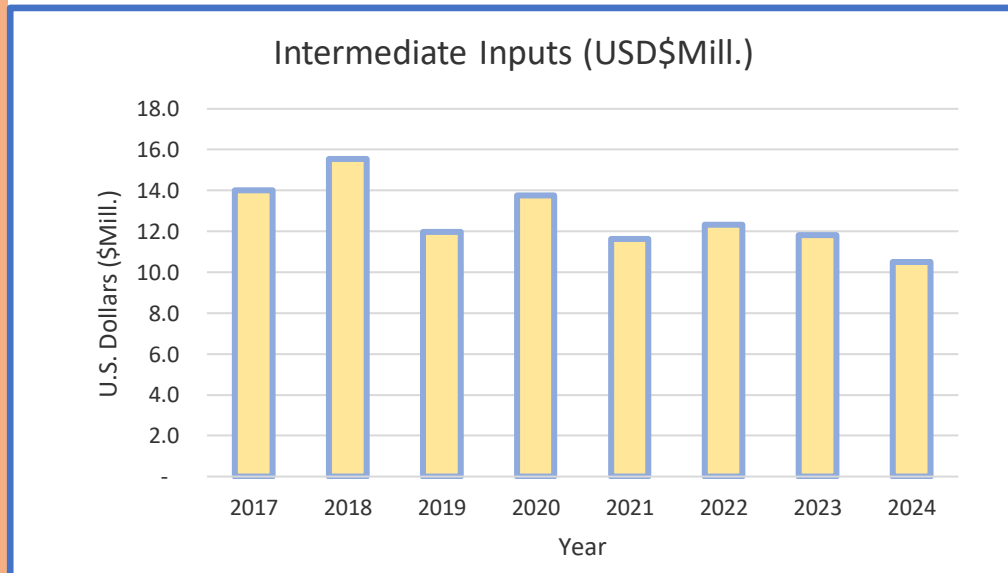
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	14.0		
2018	15.6	2017-2018	11.1%
2019	12.0	2018-2019	-23.1%
2020	13.8	2018-2020	15.0%
2021	11.6	2020-2021	-15.5%
2022	12.3	2021-2022	6.1%
2023	11.8	2022-2023	-4.0%
2024	10.5	2023-2024	-11.2%
2029	9.1	CAGR 2024-2029	-13.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Austria

The Hardboard Products Industry intermediate inputs will be \$19.3 million dollars in 2023 and to change by -4 percent from 2022 to 2023 in Austria. The intermediate inputs will be \$17.1 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.6		
2018	4.0	2017-2018	11.1%
2019	3.0	2018-2019	-23.1%
2020	3.5	2018-2020	15.0%
2021	3.0	2020-2021	-15.5%
2022	3.1	2021-2022	6.1%
2023	3.0	2022-2023	-4.0%
2024	2.7	2023-2024	-11.2%
2029	2.3	CAGR 2024-2029	-13.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Austria

The Hardboard Products Industry gross operating surplus will be \$19.3 million dollars in 2023 and to change by -4 percent from 2022 to 2023 in Austria.

The gross operating surplus will be \$17.1 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

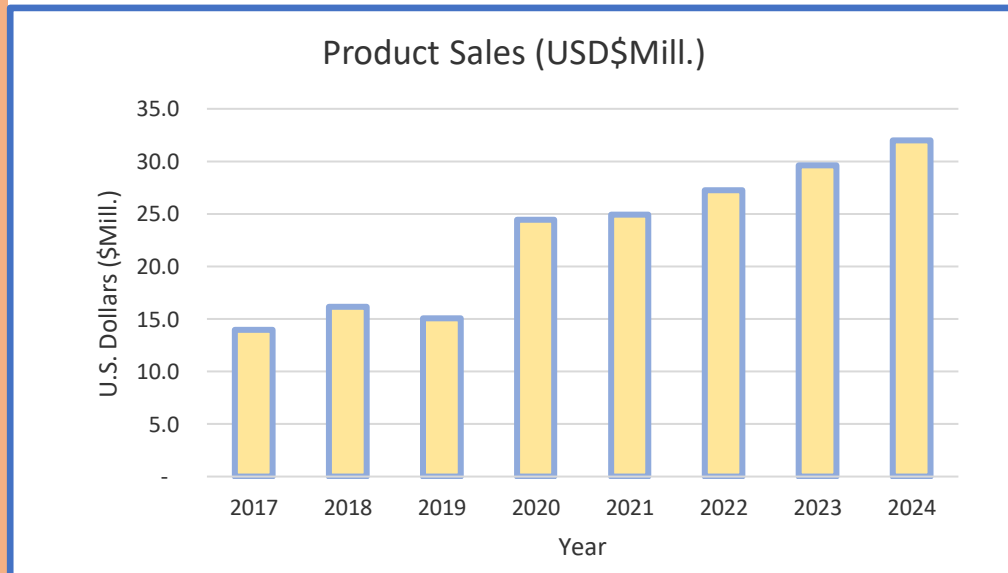
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.9		
2018	16.2	2017-2018	15.9%
2019	15.1	2018-2019	-6.7%
2020	24.5	2019-2020	62.2%
2021	25.0	2020-2021	2.0%
2022	27.3	2021-2022	9.2%
2023	29.6	2022-2023	8.8%
2024	32.0	2023-2024	8.0%
2029	44.6	CAGR 2024-2029	39.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$29.6 million dollars in 2023 and to change by 8.8 percent from 2022 to 2023 in Bangladesh. The product markets will be \$32.0 million dollars in 2024 and is forecast to change by 8 percent from 2023 to 2024.

Bangladesh



Source: Wharry Sharpe Research

# Hardboard Products Industry

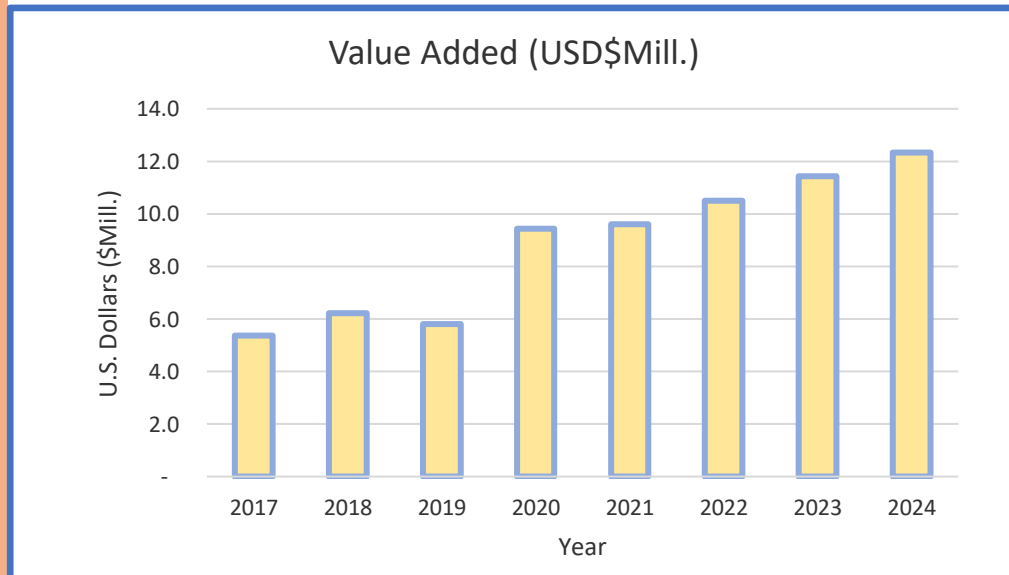
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.4		
2018	6.2	2017-2018	15.9%
2019	5.8	2018-2019	-6.7%
2020	9.4	2019-2020	62.2%
2021	9.6	2020-2021	2.0%
2022	10.5	2021-2022	9.2%
2023	11.4	2022-2023	8.8%
2024	12.3	2023-2024	8.0%
2029	17.2	CAGR 2024-2029	39.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry value added will be \$29.6 million dollars in 2023 and to change by 8.8 percent from 2022 to 2023 in Bangladesh. The value added will be \$32.0 million dollars in 2024 and is forecast to change by 8 percent from 2023 to 2024.

Bangladesh



Source: Wharry Sharpe Research



# Hardboard Products Industry

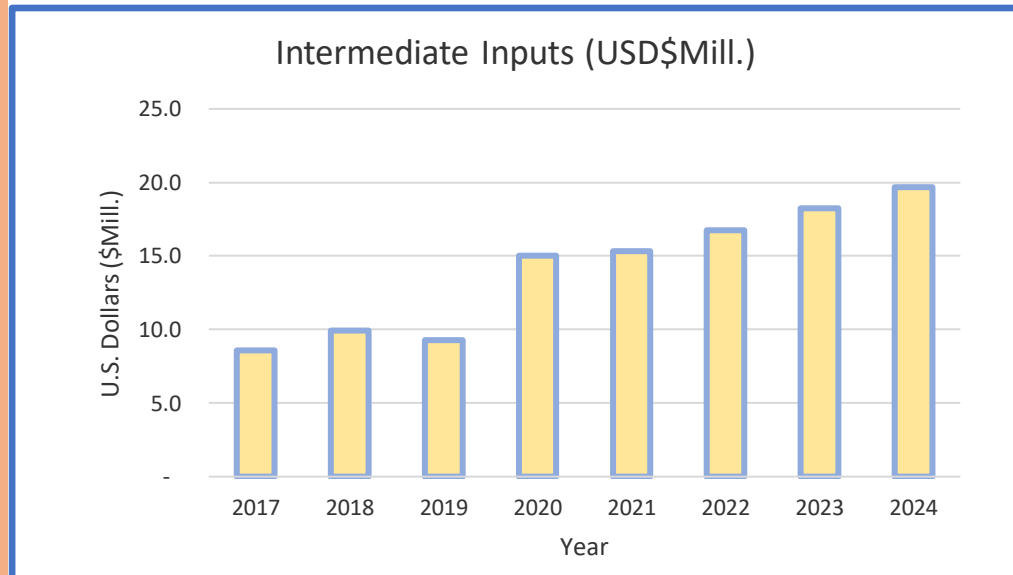
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.6		
2018	9.9	2017-2018	15.9%
2019	9.3	2018-2019	-6.7%
2020	15.0	2018-2020	62.2%
2021	15.3	2020-2021	2.0%
2022	16.7	2021-2022	9.2%
2023	18.2	2022-2023	8.8%
2024	19.7	2023-2024	8.0%
2029	27.4	CAGR 2024-2029	39.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Bangladesh

The Hardboard Products Industry intermediate inputs will be \$29.6 million dollars in 2023 and to change by 8.8 percent from 2022 to 2023 in Bangladesh. The intermediate inputs will be \$32.0 million dollars in 2024 and is forecast to change by 8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

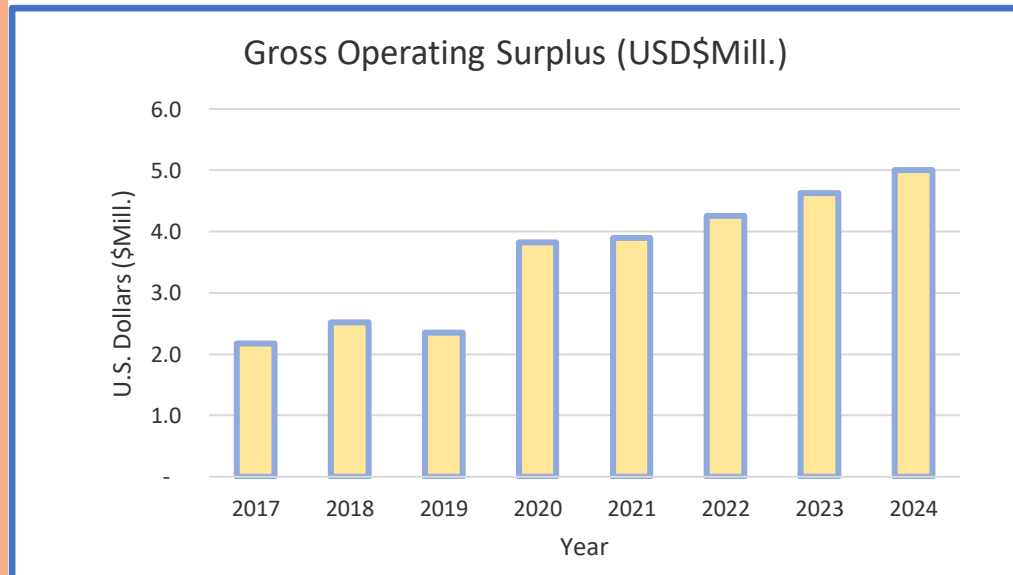
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.2		
2018	2.5	2017-2018	15.9%
2019	2.4	2018-2019	-6.7%
2020	3.8	2018-2020	62.2%
2021	3.9	2020-2021	2.0%
2022	4.3	2021-2022	9.2%
2023	4.6	2022-2023	8.8%
2024	5.0	2023-2024	8.0%
2029	7.0	CAGR 2024-2029	39.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$29.6 million dollars in 2023 and to change by 8.8 percent from 2022 to 2023 in Bangladesh. The gross operating surplus will be \$32.0 million dollars in 2024 and is forecast to change by 8 percent from 2023 to 2024.

Bangladesh



Source: Wharry Sharpe Research

# Hardboard Products Industry

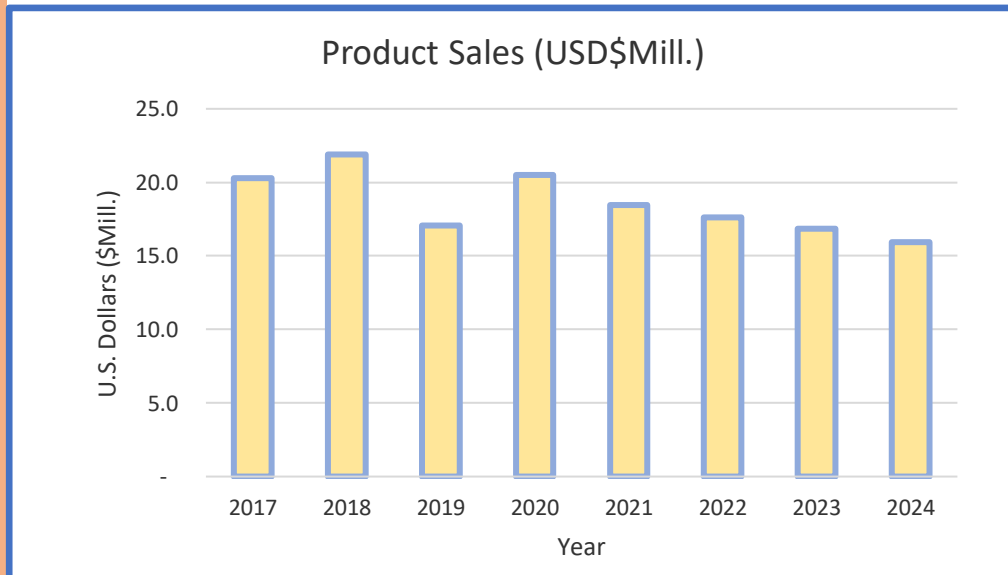
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	20.3		
2018	21.9	2017-2018	7.9%
2019	17.1	2018-2019	-22.1%
2020	20.5	2019-2020	20.2%
2021	18.5	2020-2021	-10.0%
2022	17.6	2021-2022	-4.6%
2023	16.9	2022-2023	-4.3%
2024	15.9	2023-2024	-5.6%
2029	12.8	CAGR 2024-2029	-19.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Belgium

The Hardboard Products Industry is forecast to be \$16.9 million dollars in 2023 and to change by -4.3 percent from 2022 to 2023 in Belgium. The product markets will be \$15.9 million dollars in 2024 and is forecast to change by -5.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

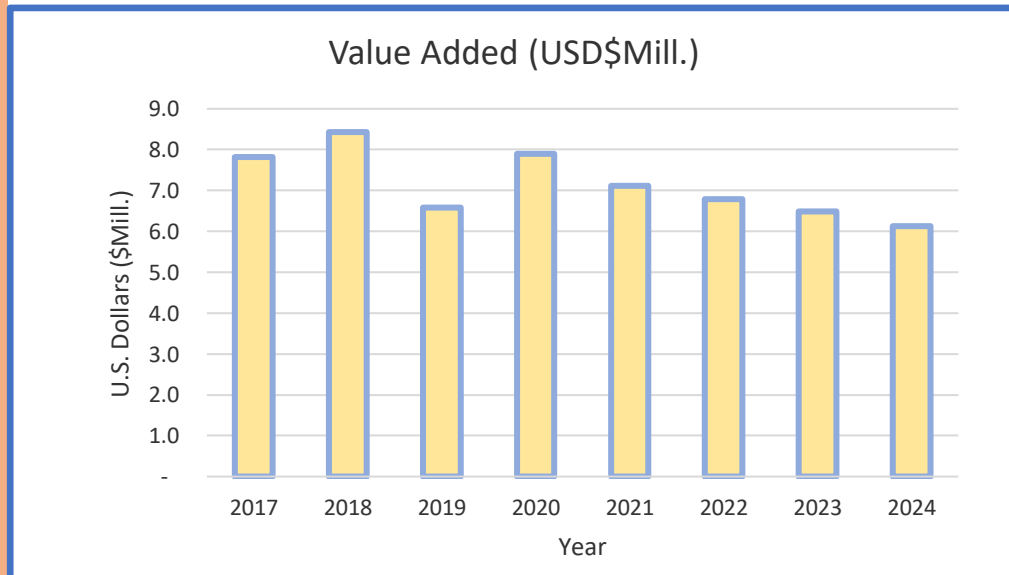
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.8		
2018	8.4	2017-2018	7.9%
2019	6.6	2018-2019	-22.1%
2020	7.9	2019-2020	20.2%
2021	7.1	2020-2021	-10.0%
2022	6.8	2021-2022	-4.6%
2023	6.5	2022-2023	-4.3%
2024	6.1	2023-2024	-5.6%
2029	4.9	CAGR 2024-2029	-19.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Belgium

The Hardboard Products Industry value added will be \$16.9 million dollars in 2023 and to change by -4.3 percent from 2022 to 2023 in Belgium. The value added will be \$15.9 million dollars in 2024 and is forecast to change by -5.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

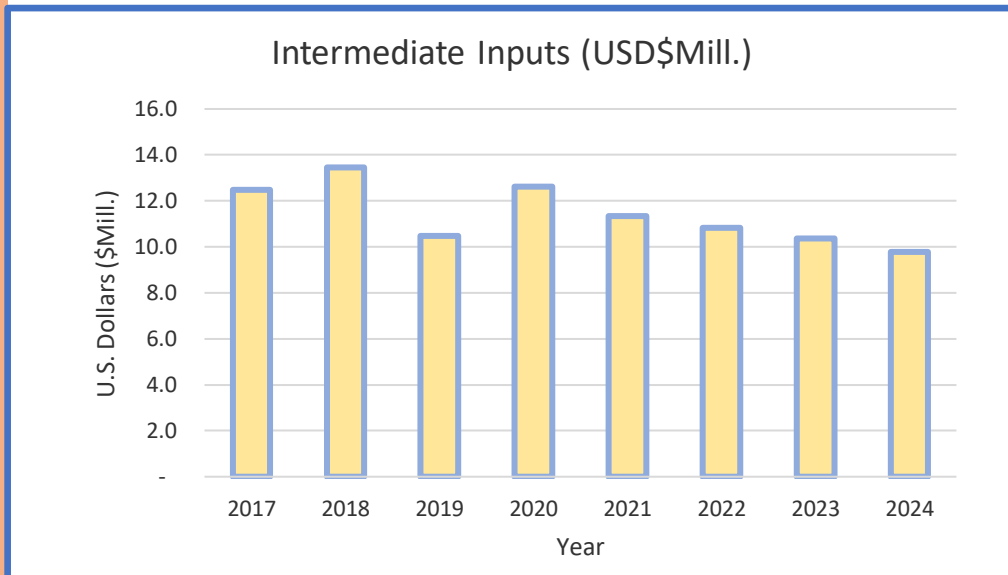
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	12.5		
2018	13.5	2017-2018	7.9%
2019	10.5	2018-2019	-22.1%
2020	12.6	2018-2020	20.2%
2021	11.4	2020-2021	-10.0%
2022	10.8	2021-2022	-4.6%
2023	10.4	2022-2023	-4.3%
2024	9.8	2023-2024	-5.6%
2029	7.8	CAGR 2024-2029	-19.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Belgium

The Hardboard Products Industry intermediate inputs will be \$16.9 million dollars in 2023 and to change by -4.3 percent from 2022 to 2023 in Belgium. The intermediate inputs will be \$15.9 million dollars in 2024 and is forecast to change by -5.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

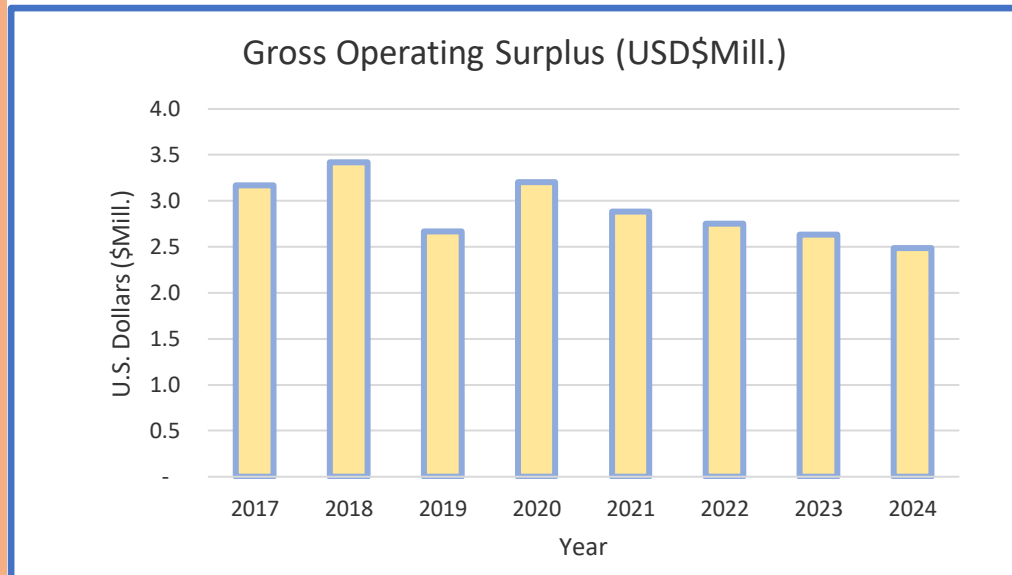
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.2		
2018	3.4	2017-2018	7.9%
2019	2.7	2018-2019	-22.1%
2020	3.2	2018-2020	20.2%
2021	2.9	2020-2021	-10.0%
2022	2.8	2021-2022	-4.6%
2023	2.6	2022-2023	-4.3%
2024	2.5	2023-2024	-5.6%
2029	2.0	CAGR 2024-2029	-19.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Belgium

The Hardboard Products Industry gross operating surplus will be \$16.9 million dollars in 2023 and to change by -4.3 percent from 2022 to 2023 in Belgium. The gross operating surplus will be \$15.9 million dollars in 2024 and is forecast to change by -5.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

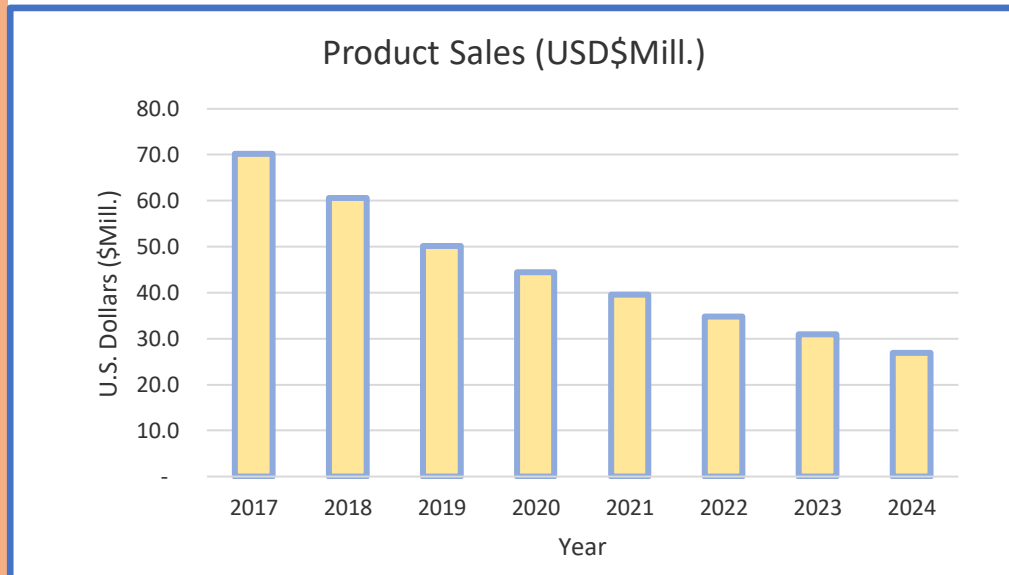
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	70.1		
2018	60.5	2017-2018	-13.7%
2019	50.1	2018-2019	-17.2%
2020	44.5	2019-2020	-11.3%
2021	39.6	2020-2021	-10.9%
2022	34.8	2021-2022	-12.1%
2023	30.9	2022-2023	-11.2%
2024	26.9	2023-2024	-12.9%
2029	16.1	CAGR 2024-2029	-40.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Brazil

The Hardboard Products Industry is forecast to be \$30.9 million dollars in 2023 and to change by -11.2 percent from 2022 to 2023 in Brazil. The product markets will be \$26.9 million dollars in 2024 and is forecast to change by -12.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

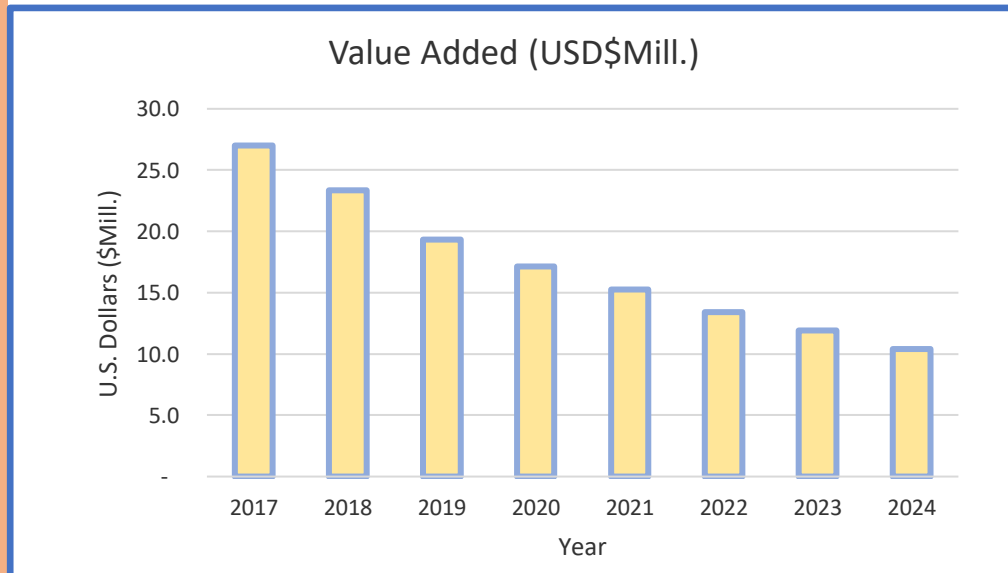
Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	27.0		
2018	23.3	2017-2018	-13.7%
2019	19.3	2018-2019	-17.2%
2020	17.1	2019-2020	-11.3%
2021	15.3	2020-2021	-10.9%
2022	13.4	2021-2022	-12.1%
2023	11.9	2022-2023	-11.2%
2024	10.4	2023-2024	-12.9%
2029	6.2	CAGR 2024-2029	-40.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Brazil

The Hardboard Products Industry value added will be \$30.9 million dollars in 2023 and to change by -11.2 percent from 2022 to 2023 in Brazil.

The value added will be \$26.9 million dollars in 2024 and is forecast to change by -12.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

## INTERMEDIATE INPUTS

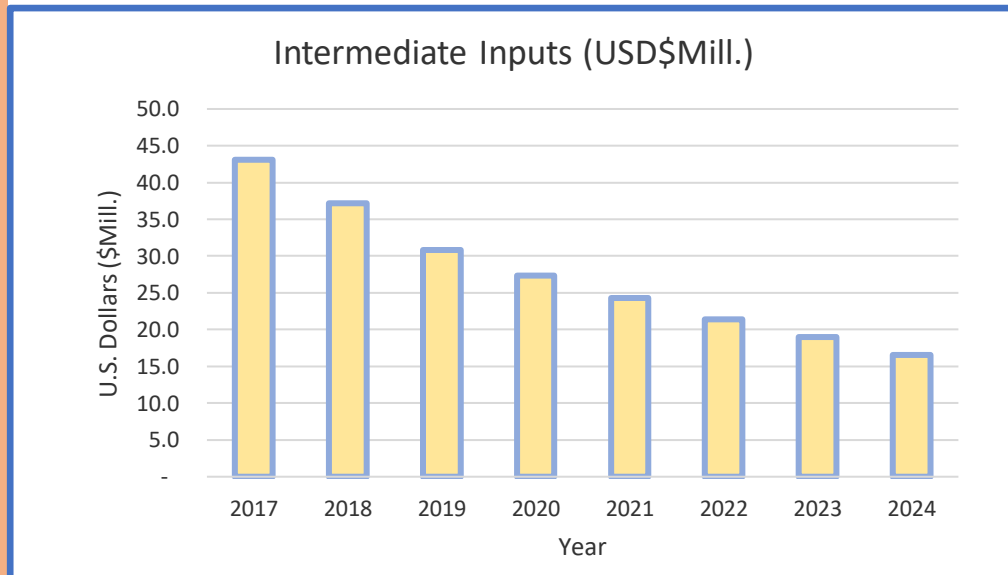
Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	43.1		
2018	37.2	2017-2018	-13.7%
2019	30.8	2018-2019	-17.2%
2020	27.3	2018-2020	-11.3%
2021	24.3	2020-2021	-10.9%
2022	21.4	2021-2022	-12.1%
2023	19.0	2022-2023	-11.2%
2024	16.6	2023-2024	-12.9%
2029	9.9	CAGR 2024-2029	-40.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Brazil

The Hardboard Products Industry intermediate inputs will be \$30.9 million dollars in 2023 and to change by -11.2 percent from 2022 to 2023 in Brazil.

The intermediate inputs will be \$26.9 million dollars in 2024 and is forecast to change by -12.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.0		
2018	9.5	2017-2018	-13.7%
2019	7.8	2018-2019	-17.2%
2020	6.9	2018-2020	-11.3%
2021	6.2	2020-2021	-10.9%
2022	5.4	2021-2022	-12.1%
2023	4.8	2022-2023	-11.2%
2024	4.2	2023-2024	-12.9%
2029	2.5	CAGR 2024-2029	-40.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Brazil

The Hardboard Products Industry gross operating surplus will be \$30.9 million dollars in 2023 and to change by -11.2 percent from 2022 to 2023 in Brazil.

The gross operating surplus will be \$26.9 million dollars in 2024 and is forecast to change by -12.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

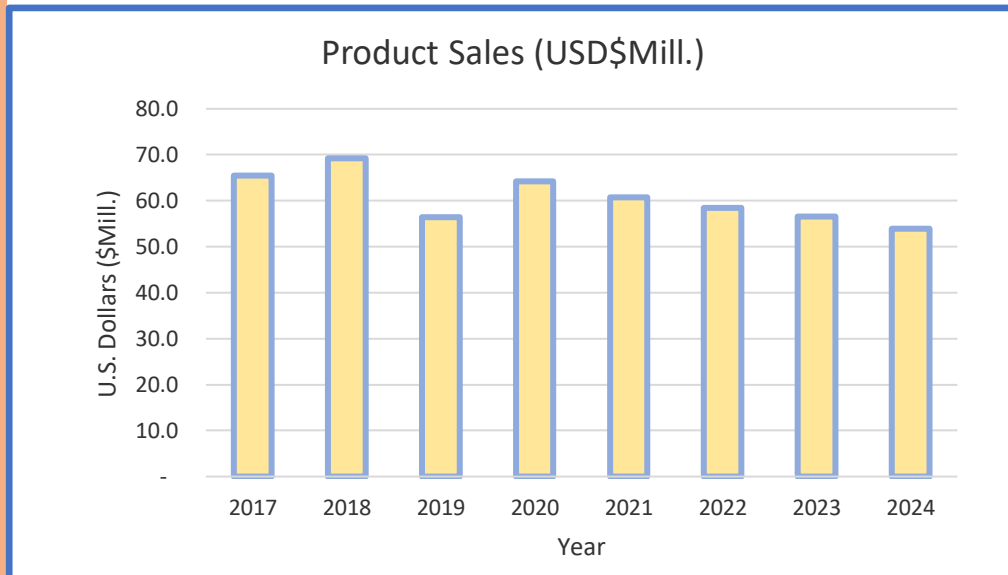
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	65.5		
2018	69.3	2017-2018	5.8%
2019	56.4	2018-2019	-18.6%
2020	64.3	2019-2020	14.0%
2021	60.7	2020-2021	-5.6%
2022	58.4	2021-2022	-3.7%
2023	56.6	2022-2023	-3.2%
2024	54.0	2023-2024	-4.6%
2029	46.7	CAGR 2024-2029	-13.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Canada

The Hardboard Products Industry is forecast to be \$56.6 million dollars in 2023 and to change by -3.2 percent from 2022 to 2023 in Canada. The product markets will be \$54.0 million dollars in 2024 and is forecast to change by -4.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

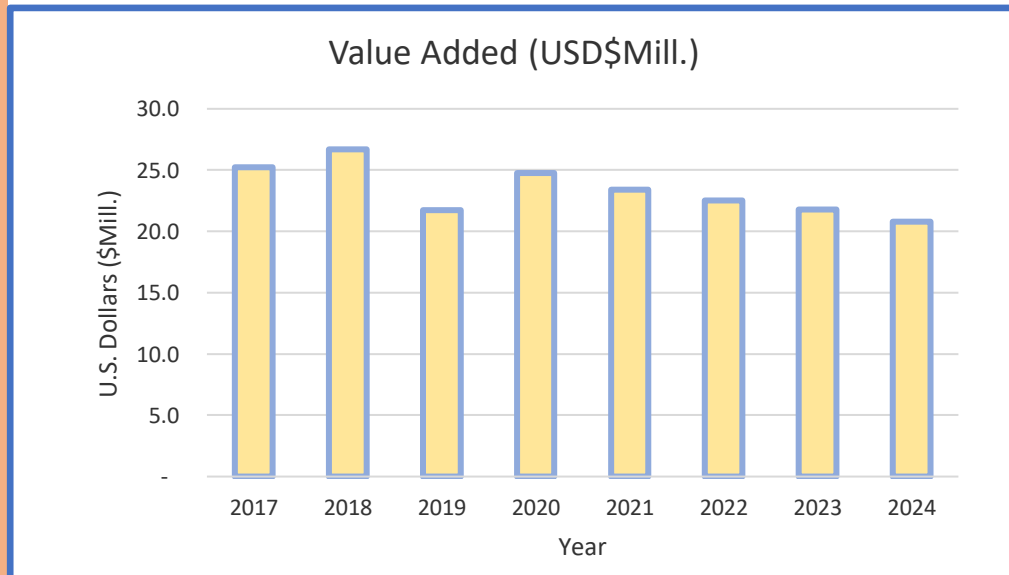
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	25.2		
2018	26.7	2017-2018	5.8%
2019	21.7	2018-2019	-18.6%
2020	24.8	2019-2020	14.0%
2021	23.4	2020-2021	-5.6%
2022	22.5	2021-2022	-3.7%
2023	21.8	2022-2023	-3.2%
2024	20.8	2023-2024	-4.6%
2029	18.0	CAGR 2024-2029	-13.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Canada

The Hardboard Products Industry value added will be \$56.6 million dollars in 2023 and to change by -3.2 percent from 2022 to 2023 in Canada. The value added will be \$54.0 million dollars in 2024 and is forecast to change by -4.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

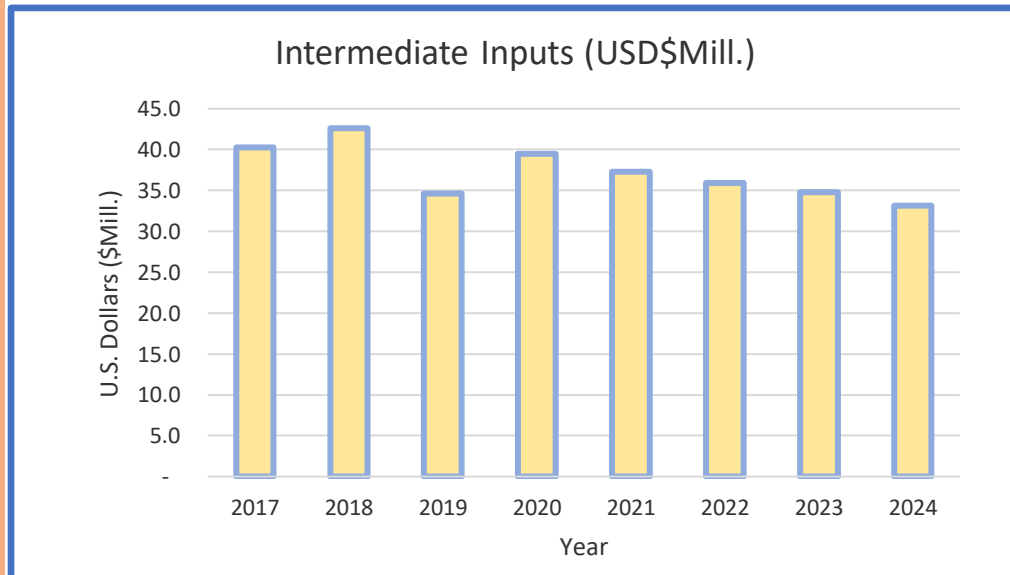
## INTERMEDIATE INPUTS

Intermediate Inputs (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	40.2		
2018	42.6	2017-2018	5.8%
2019	34.6	2018-2019	-18.6%
2020	39.5	2018-2020	14.0%
2021	37.3	2020-2021	-5.6%
2022	35.9	2021-2022	-3.7%
2023	34.8	2022-2023	-3.2%
2024	33.2	2023-2024	-4.6%
2029	28.7	CAGR 2024-2029	-13.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Canada

The Hardboard Products Industry intermediate inputs will be \$56.6 million dollars in 2023 and to change by -3.2 percent from 2022 to 2023 in Canada. The intermediate inputs will be \$54.0 million dollars in 2024 and is forecast to change by -4.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	10.2		
2018	10.8	2017-2018	5.8%
2019	8.8	2018-2019	-18.6%
2020	10.0	2018-2020	14.0%
2021	9.5	2020-2021	-5.6%
2022	9.1	2021-2022	-3.7%
2023	8.8	2022-2023	-3.2%
2024	8.4	2023-2024	-4.6%
2029	7.3	CAGR 2024-2029	-13.5%

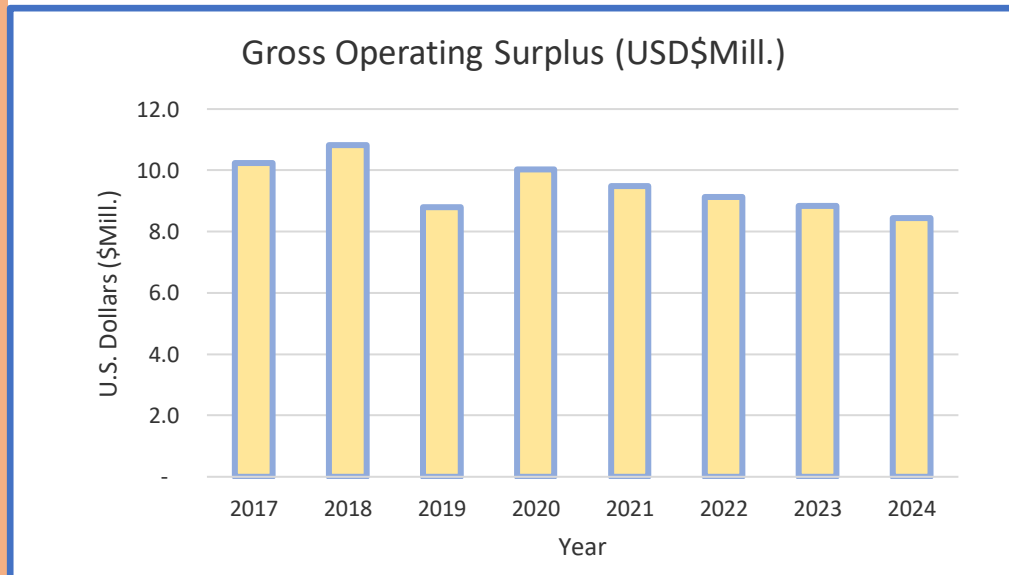
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Canada

The Hardboard Products Industry

gross operating surplus will be \$56.6 million dollars in 2023 and to change by -3.2 percent from 2022 to 2023 in Canada.

The gross operating surplus will be \$54.0 million dollars in 2024 and is forecast to change by -4.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

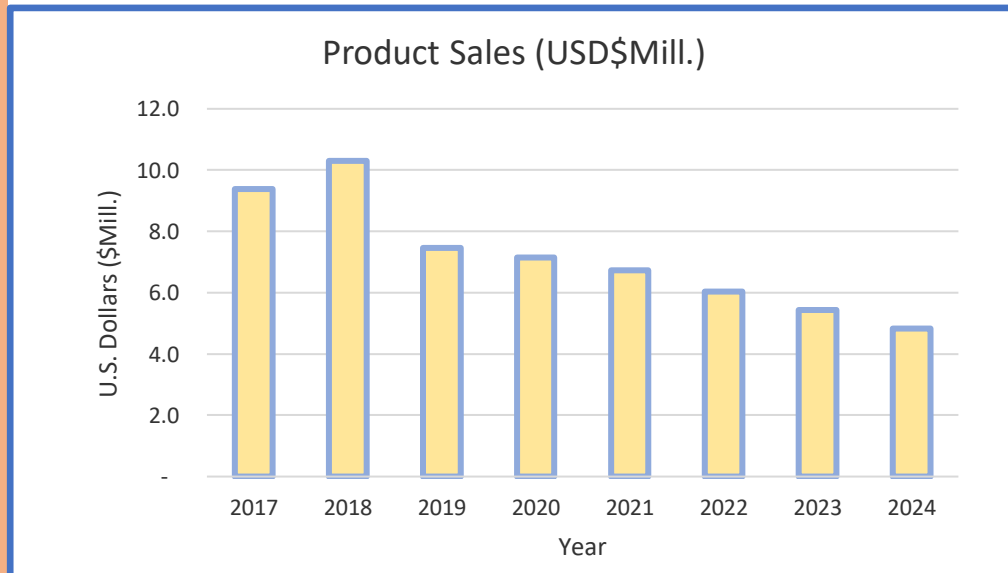
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	9.4		
2018	10.3	2017-2018	10.0%
2019	7.5	2018-2019	-27.7%
2020	7.1	2019-2020	-4.1%
2021	6.7	2020-2021	-5.8%
2022	6.0	2021-2022	-10.4%
2023	5.4	2022-2023	-9.8%
2024	4.8	2023-2024	-11.2%
2029	3.0	CAGR 2024-2029	-38.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Chile

The Hardboard Products Industry is forecast to be \$5.4 million dollars in 2023 and to change by -9.8 percent from 2022 to 2023 in Chile. The product markets will be \$4.8 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.6		
2018	4.0	2017-2018	10.0%
2019	2.9	2018-2019	-27.7%
2020	2.8	2019-2020	-4.1%
2021	2.6	2020-2021	-5.8%
2022	2.3	2021-2022	-10.4%
2023	2.1	2022-2023	-9.8%
2024	1.9	2023-2024	-11.2%
2029	1.1	CAGR 2024-2029	-38.6%

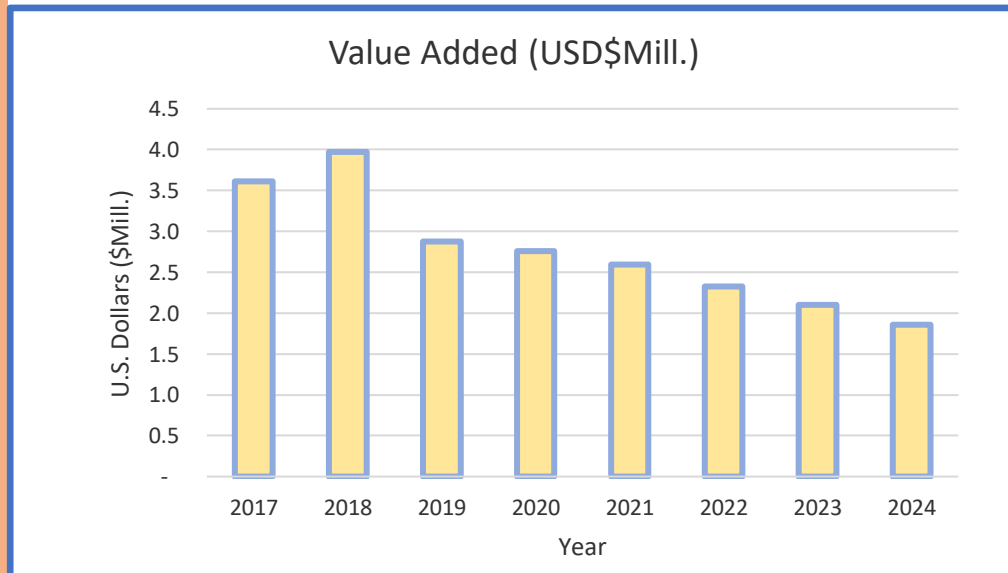
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Chile

The Hardboard Products Industry

value added will be \$5.4 million dollars in 2023 and to change by -9.8 percent from 2022 to 2023 in Chile.

The value added will be \$4.8 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

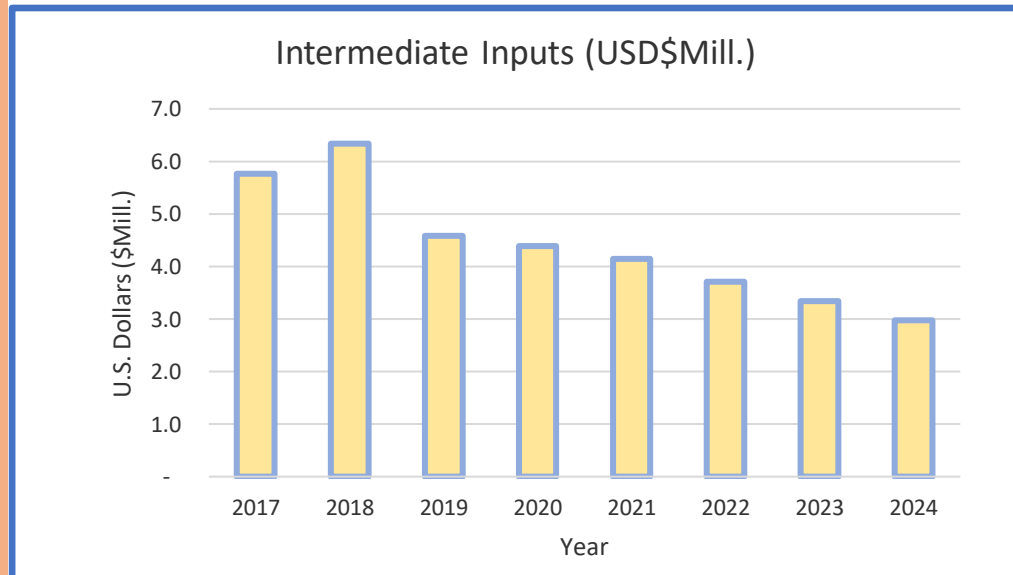
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.8		
2018	6.3	2017-2018	10.0%
2019	4.6	2018-2019	-27.7%
2020	4.4	2018-2020	-4.1%
2021	4.1	2020-2021	-5.8%
2022	3.7	2021-2022	-10.4%
2023	3.3	2022-2023	-9.8%
2024	3.0	2023-2024	-11.2%
2029	1.8	CAGR 2024-2029	-38.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Chile

The Hardboard Products Industry intermediate inputs will be \$5.4 million dollars in 2023 and to change by -9.8 percent from 2022 to 2023 in Chile. The intermediate inputs will be \$4.8 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.5		
2018	1.6	2017-2018	10.0%
2019	1.2	2018-2019	-27.7%
2020	1.1	2018-2020	-4.1%
2021	1.1	2020-2021	-5.8%
2022	0.9	2021-2022	-10.4%
2023	0.9	2022-2023	-9.8%
2024	0.8	2023-2024	-11.2%
2029	0.5	CAGR 2024-2029	-38.6%

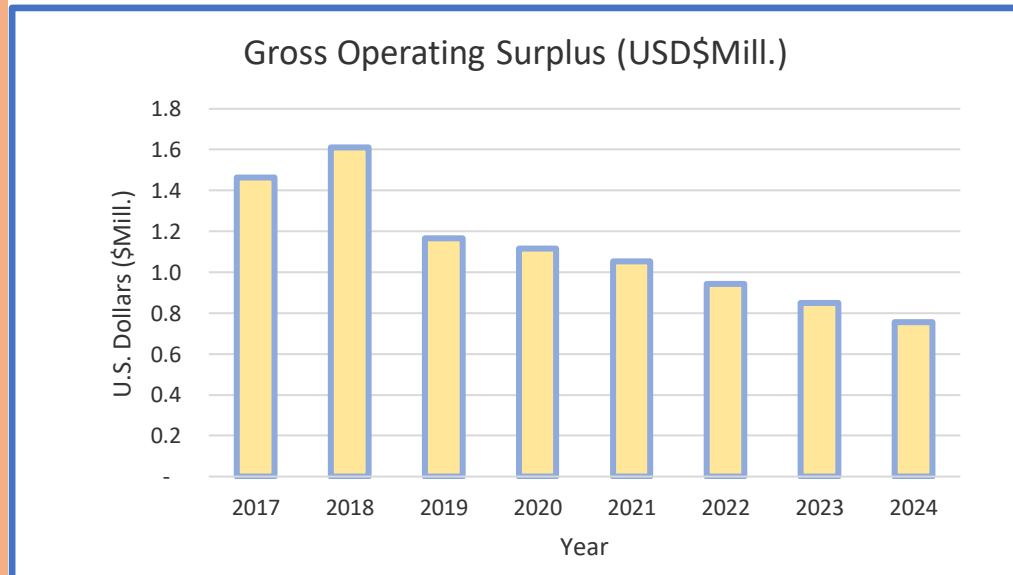
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Chile

The Hardboard Products Industry

gross operating surplus will be \$5.4 million dollars in 2023 and to change by -9.8 percent from 2022 to 2023 in Chile.

The gross operating surplus will be \$4.8 million dollars in 2024 and is forecast to change by -11.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## PRODUCTS SALES

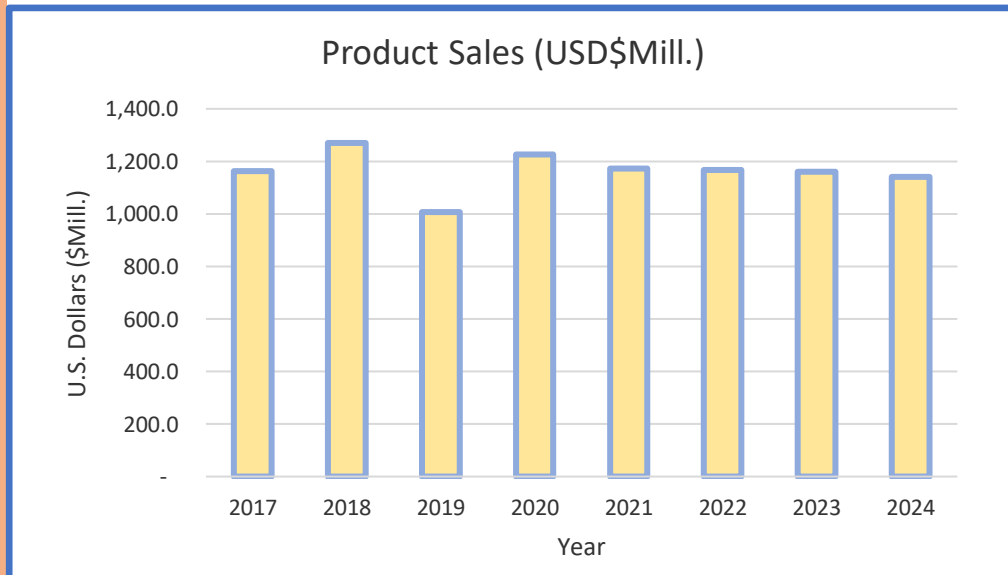
Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1,163.9		
2018	1,269.7	2017-2018	9.1%
2019	1,006.2	2018-2019	-20.8%
2020	1,226.0	2019-2020	21.9%
2021	1,173.6	2020-2021	-4.3%
2022	1,167.2	2021-2022	-0.5%
2023	1,159.2	2022-2023	-0.7%
2024	1,140.7	2023-2024	-1.6%
2029	1,048.8	CAGR 2024-2029	-8.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

China

The Hardboard Products Industry is forecast to be \$1,159.2 million dollars in 2023 and to change by -0.7 percent from 2022 to 2023 in China.

The product markets will be \$1,140.7 million dollars in 2024 and is forecast to change by -1.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	448.5		
2018	489.3	2017-2018	9.1%
2019	387.7	2018-2019	-20.8%
2020	472.4	2019-2020	21.9%
2021	452.3	2020-2021	-4.3%
2022	449.8	2021-2022	-0.5%
2023	446.7	2022-2023	-0.7%
2024	439.6	2023-2024	-1.6%
2029	404.2	CAGR 2024-2029	-8.1%

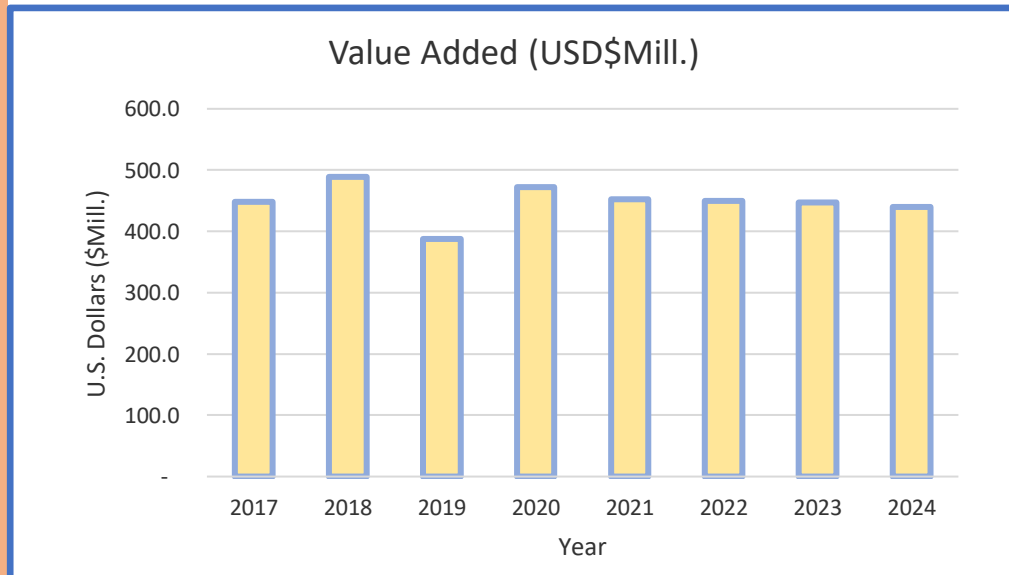
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

China

The Hardboard Products Industry

value added will be \$1,159.2 million dollars in 2023 and to change by -0.7 percent from 2022 to 2023 in China.

The value added will be \$1,140.7 million dollars in 2024 and is forecast to change by -1.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

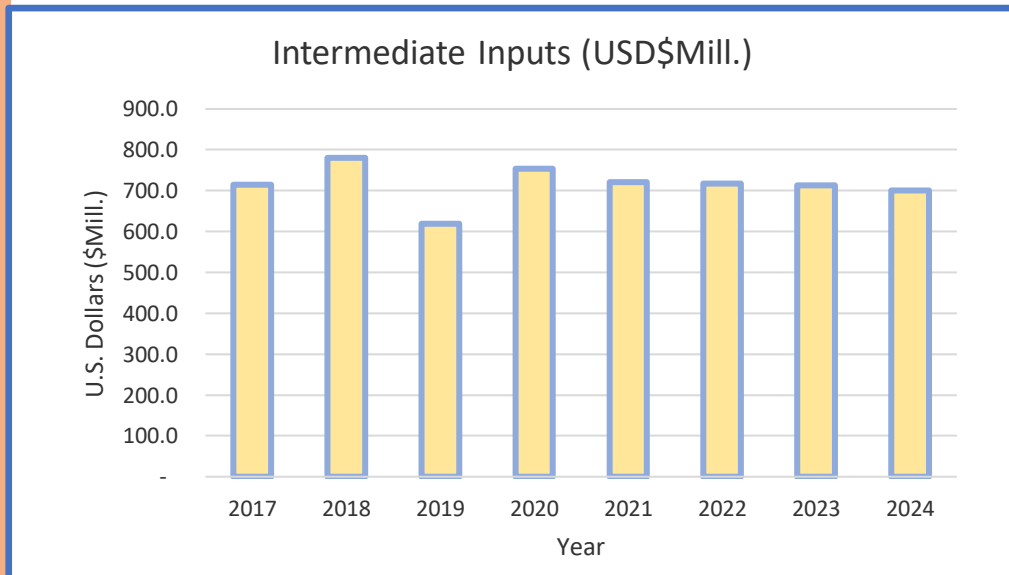
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	715.4		
2018	780.4	2017-2018	9.1%
2019	618.4	2018-2019	-20.8%
2020	753.6	2018-2020	21.9%
2021	721.4	2020-2021	-4.3%
2022	717.4	2021-2022	-0.5%
2023	712.5	2022-2023	-0.7%
2024	701.1	2023-2024	-1.6%
2029	644.7	CAGR 2024-2029	-8.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

China

The Hardboard Products Industry intermediate inputs will be \$1,159.2 million dollars in 2023 and to change by -0.7 percent from 2022 to 2023 in China. The intermediate inputs will be \$1,140.7 million dollars in 2024 and is forecast to change by -1.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	181.8		
2018	198.4	2017-2018	9.1%
2019	157.2	2018-2019	-20.8%
2020	191.5	2018-2020	21.9%
2021	183.3	2020-2021	-4.3%
2022	182.3	2021-2022	-0.5%
2023	181.1	2022-2023	-0.7%
2024	178.2	2023-2024	-1.6%
2029	163.9	CAGR 2024-2029	-8.1%

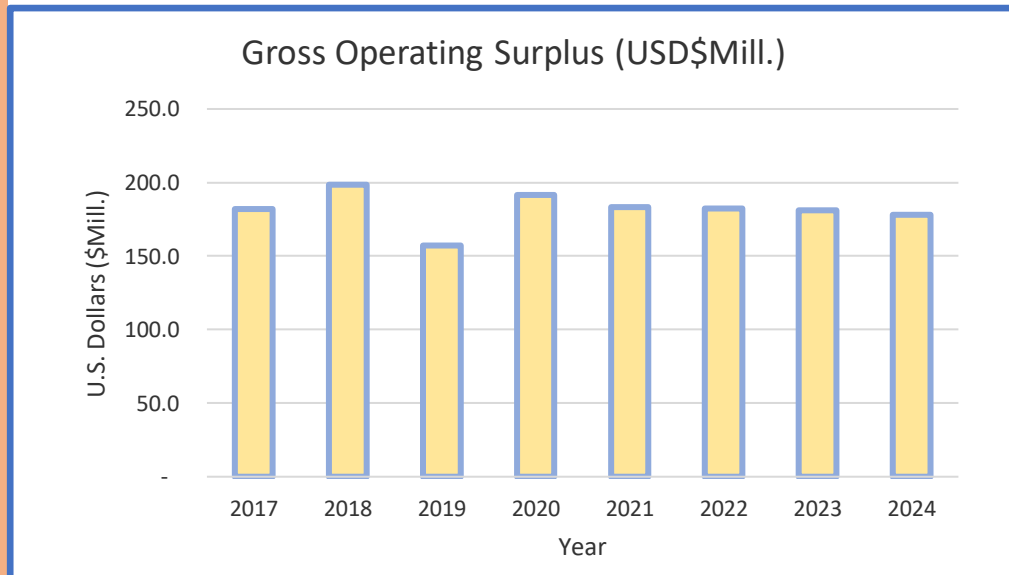
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

China

The Hardboard Products Industry

gross operating surplus will be \$1,159.2 million dollars in 2023 and to change by -0.7 percent from 2022 to 2023 in China.

The gross operating surplus will be \$1,140.7 million dollars in 2024 and is forecast to change by -1.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

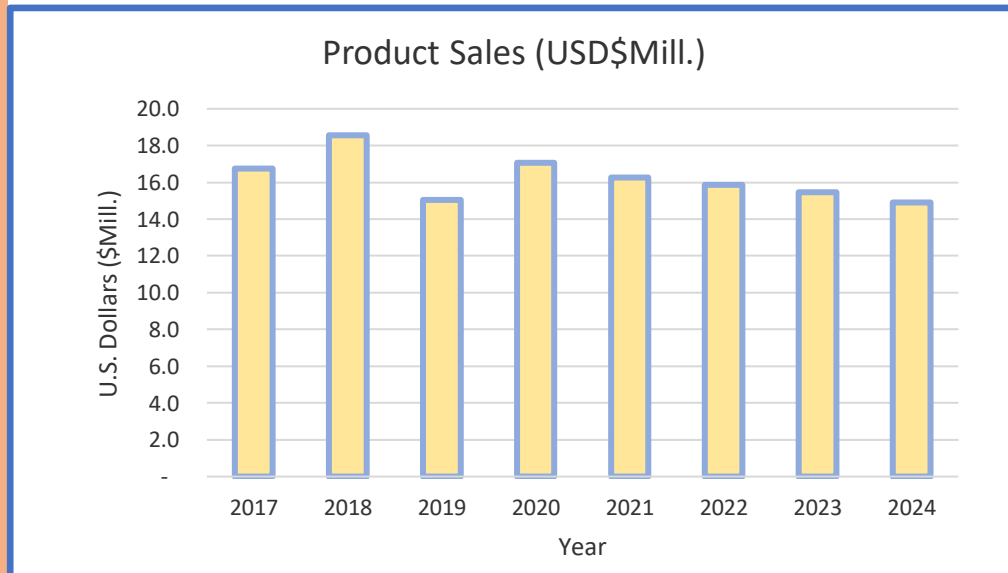
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	16.8		
2018	18.6	2017-2018	10.7%
2019	15.0	2018-2019	-19.0%
2020	17.1	2019-2020	13.6%
2021	16.3	2020-2021	-4.7%
2022	15.9	2021-2022	-2.5%
2023	15.4	2022-2023	-2.6%
2024	14.9	2023-2024	-3.5%
2029	12.4	CAGR 2024-2029	-16.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$15.4 million dollars in 2023 and to change by -2.6 percent from 2022 to 2023 in Czech Republic. The product markets will be \$14.9 million dollars in 2024 and is forecast to change by -3.5 percent from 2023 to 2024.

Czech Republic



Source: Wharry Sharpe Research

# Hardboard Products Industry

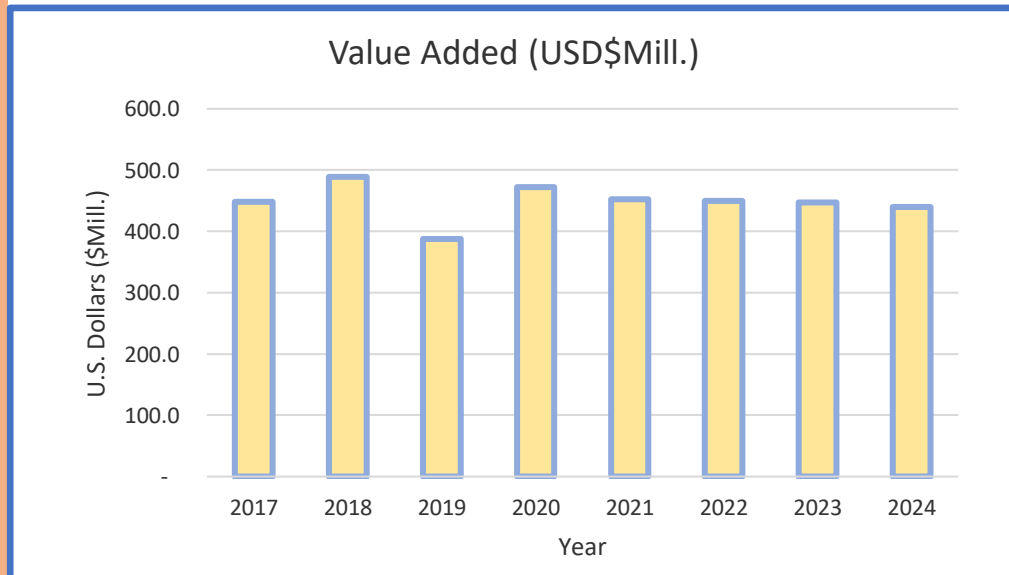
## VALUE ADDED

Czech Republic

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	6.5		
2018	7.2	2017-2018	10.7%
2019	5.8	2018-2019	-19.0%
2020	6.6	2019-2020	13.6%
2021	6.3	2020-2021	-4.7%
2022	6.1	2021-2022	-2.5%
2023	6.0	2022-2023	-2.6%
2024	5.7	2023-2024	-3.5%
2029	4.8	CAGR 2024-2029	-16.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry value added will be \$15.4 million dollars in 2023 and to change by -2.6 percent from 2022 to 2023 in Czech Republic. The value added will be \$14.9 million dollars in 2024 and is forecast to change by -3.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

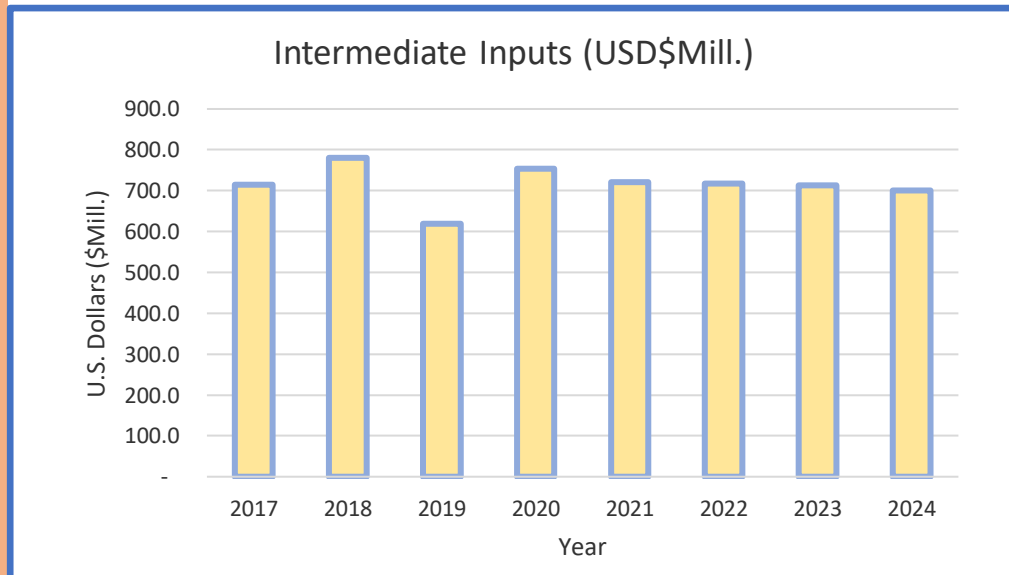
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	10.3		
2018	11.4	2017-2018	10.7%
2019	9.2	2018-2019	-19.0%
2020	10.5	2018-2020	13.6%
2021	10.0	2020-2021	-4.7%
2022	9.8	2021-2022	-2.5%
2023	9.5	2022-2023	-2.6%
2024	9.2	2023-2024	-3.5%
2029	7.7	CAGR 2024-2029	-16.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Czech Republic

The Hardboard Products Industry intermediate inputs will be \$15.4 million dollars in 2023 and to change by -2.6 percent from 2022 to 2023 in Czech Republic. The intermediate inputs will be \$14.9 million dollars in 2024 and is forecast to change by -3.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

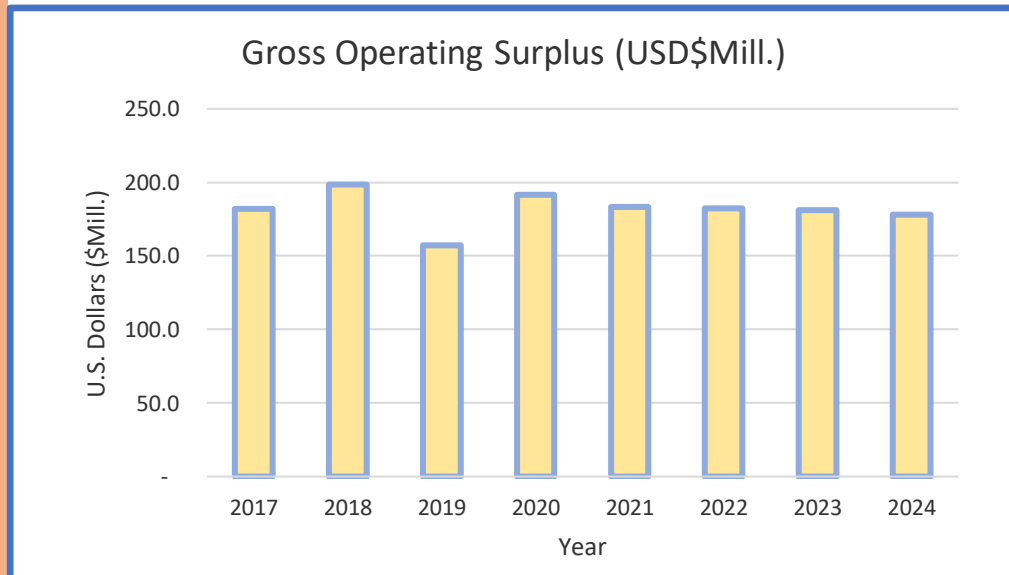
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.6		
2018	2.9	2017-2018	10.7%
2019	2.3	2018-2019	-19.0%
2020	2.7	2018-2020	13.6%
2021	2.5	2020-2021	-4.7%
2022	2.5	2021-2022	-2.5%
2023	2.4	2022-2023	-2.6%
2024	2.3	2023-2024	-3.5%
2029	1.9	CAGR 2024-2029	-16.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$15.4 million dollars in 2023 and to change by -2.6 percent from 2022 to 2023 in Czech Republic. The gross operating surplus will be \$14.9 million dollars in 2024 and is forecast to change by -3.5 percent from 2023 to 2024.

Czech Republic



Source: Wharry Sharpe Research

# Hardboard Products Industry

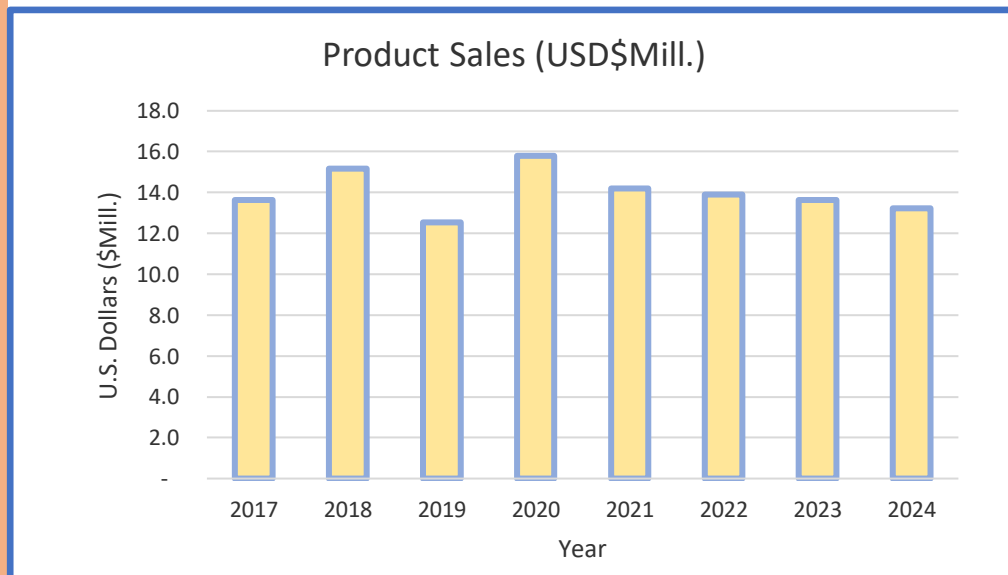
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.6		
2018	15.2	2017-2018	11.3%
2019	12.5	2018-2019	-17.4%
2020	15.8	2019-2020	25.9%
2021	14.2	2020-2021	-10.1%
2022	13.9	2021-2022	-2.0%
2023	13.6	2022-2023	-1.8%
2024	13.2	2023-2024	-3.0%
2029	11.9	CAGR 2024-2029	-9.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$13.6 million dollars in 2023 and to change by -1.8 percent from 2022 to 2023 in Denmark. The product markets will be \$13.2 million dollars in 2024 and is forecast to change by -3 percent from 2023 to 2024.

Denmark



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.3		
2018	5.9	2017-2018	11.3%
2019	4.8	2018-2019	-17.4%
2020	6.1	2019-2020	25.9%
2021	5.5	2020-2021	-10.1%
2022	5.4	2021-2022	-2.0%
2023	5.3	2022-2023	-1.8%
2024	5.1	2023-2024	-3.0%
2029	4.6	CAGR 2024-2029	-9.7%

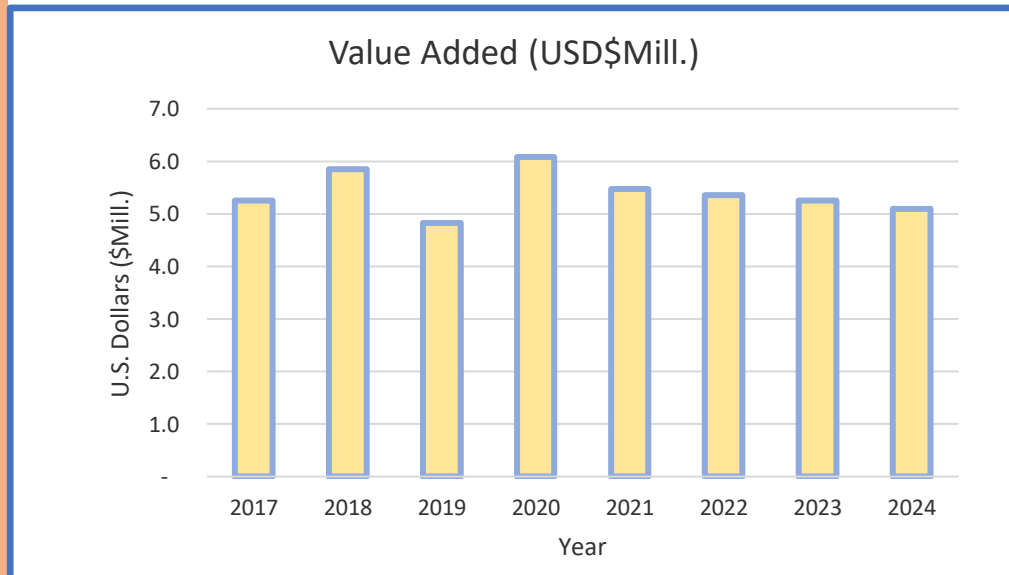
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Denmark

The Hardboard Products Industry

value added will be \$13.6 million dollars in 2023 and to change by -1.8 percent from 2022 to 2023 in Denmark.

The value added will be \$13.2 million dollars in 2024 and is forecast to change by -3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

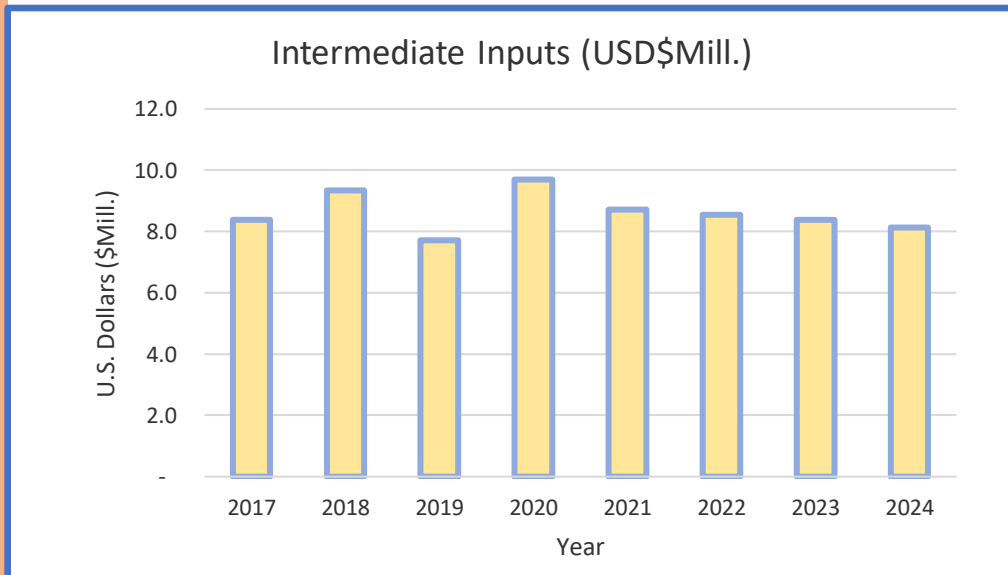
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.4		
2018	9.3	2017-2018	11.3%
2019	7.7	2018-2019	-17.4%
2020	9.7	2018-2020	25.9%
2021	8.7	2020-2021	-10.1%
2022	8.5	2021-2022	-2.0%
2023	8.4	2022-2023	-1.8%
2024	8.1	2023-2024	-3.0%
2029	7.3	CAGR 2024-2029	-9.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry intermediate inputs will be \$13.6 million dollars in 2023 and to change by -1.8 percent from 2022 to 2023 in Denmark. The intermediate inputs will be \$13.2 million dollars in 2024 and is forecast to change by -3 percent from 2023 to 2024.

Denmark



Source: Wharry Sharpe Research

# Hardboard Products Industry

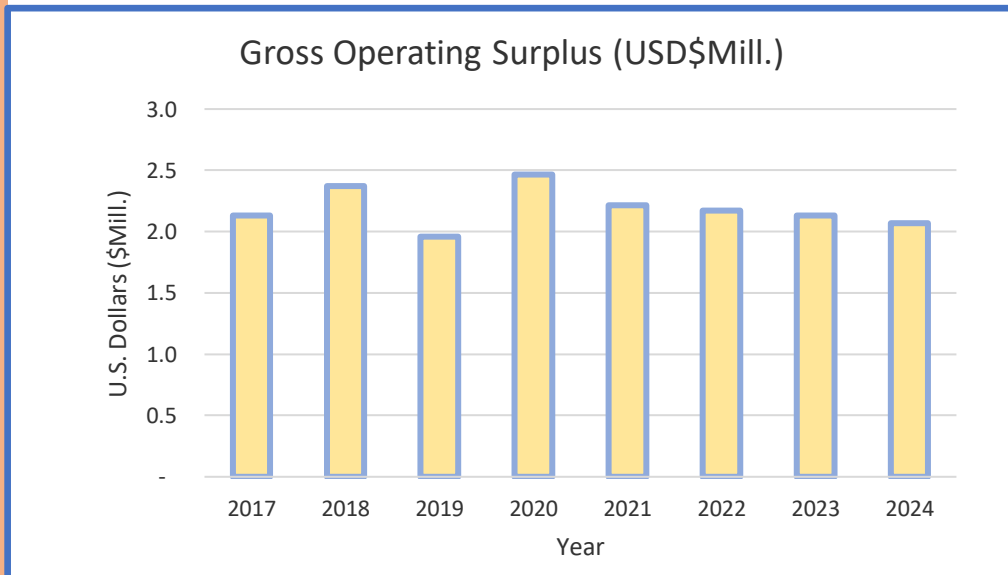
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.1		
2018	2.4	2017-2018	11.3%
2019	2.0	2018-2019	-17.4%
2020	2.5	2018-2020	25.9%
2021	2.2	2020-2021	-10.1%
2022	2.2	2021-2022	-2.0%
2023	2.1	2022-2023	-1.8%
2024	2.1	2023-2024	-3.0%
2029	1.9	CAGR 2024-2029	-9.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Denmark

The Hardboard Products Industry gross operating surplus will be \$13.6 million dollars in 2023 and to change by -1.8 percent from 2022 to 2023 in Denmark. The gross operating surplus will be \$13.2 million dollars in 2024 and is forecast to change by -3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

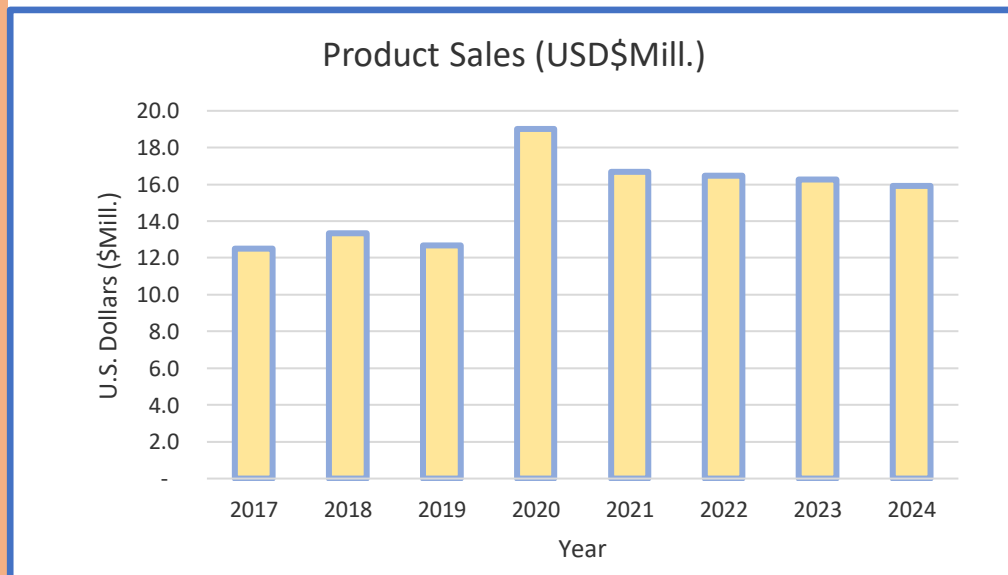
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	12.5		
2018	13.3	2017-2018	6.8%
2019	12.7	2018-2019	-4.8%
2020	19.0	2019-2020	49.7%
2021	16.7	2020-2021	-12.2%
2022	16.5	2021-2022	-1.3%
2023	16.3	2022-2023	-1.2%
2024	15.9	2023-2024	-2.3%
2029	14.5	CAGR 2024-2029	-8.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Egypt

The Hardboard Products Industry is forecast to be \$16.3 million dollars in 2023 and to change by -1.2 percent from 2022 to 2023 in Egypt. The product markets will be \$15.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

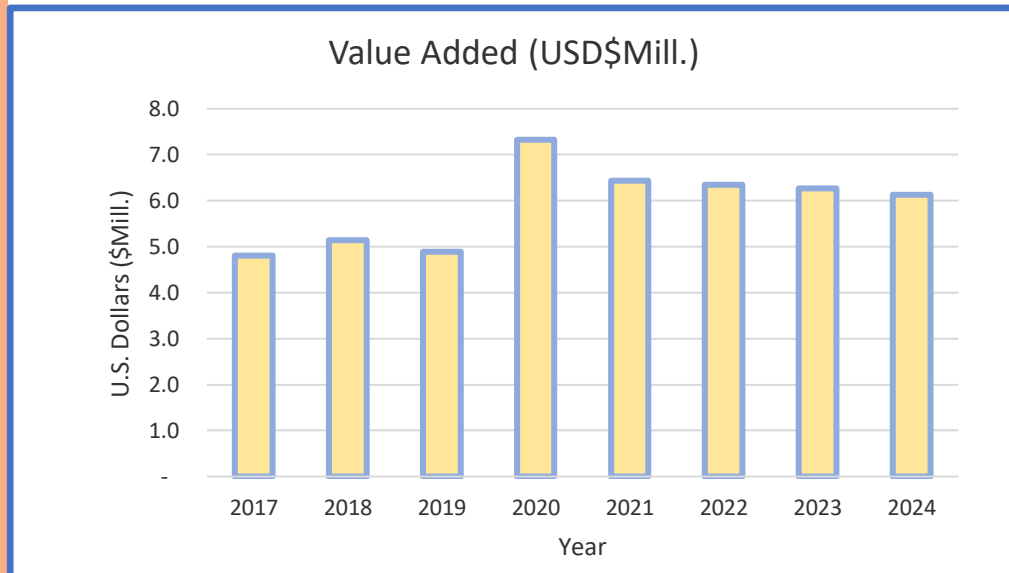
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.8		
2018	5.1	2017-2018	6.8%
2019	4.9	2018-2019	-4.8%
2020	7.3	2019-2020	49.7%
2021	6.4	2020-2021	-12.2%
2022	6.3	2021-2022	-1.3%
2023	6.3	2022-2023	-1.2%
2024	6.1	2023-2024	-2.3%
2029	5.6	CAGR 2024-2029	-8.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Egypt

The Hardboard Products Industry value added will be \$16.3 million dollars in 2023 and to change by -1.2 percent from 2022 to 2023 in Egypt. The value added will be \$15.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

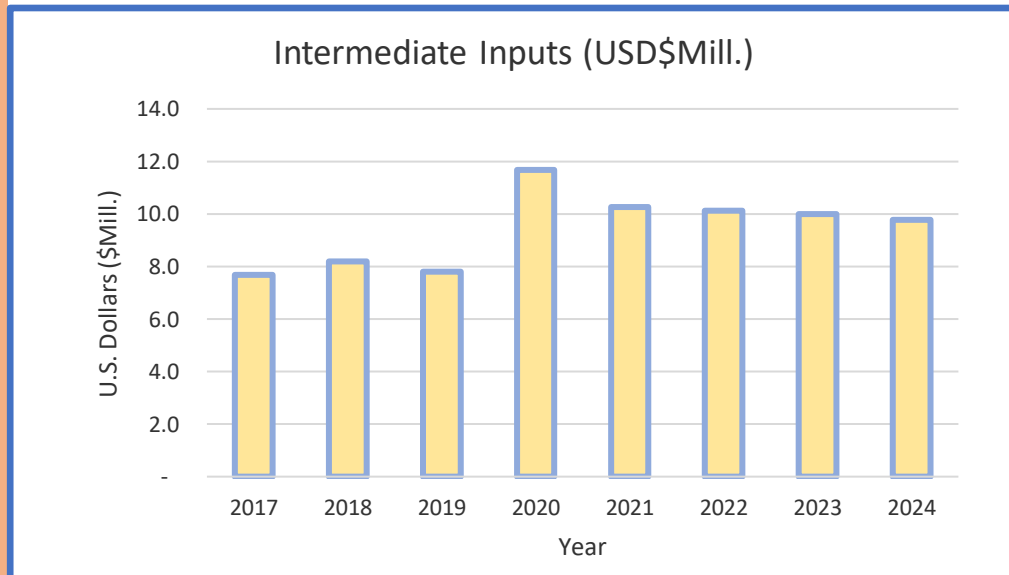
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.7		
2018	8.2	2017-2018	6.8%
2019	7.8	2018-2019	-4.8%
2020	11.7	2018-2020	49.7%
2021	10.3	2020-2021	-12.2%
2022	10.1	2021-2022	-1.3%
2023	10.0	2022-2023	-1.2%
2024	9.8	2023-2024	-2.3%
2029	8.9	CAGR 2024-2029	-8.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Egypt

The Hardboard Products Industry intermediate inputs will be \$16.3 million dollars in 2023 and to change by -1.2 percent from 2022 to 2023 in Egypt. The intermediate inputs will be \$15.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

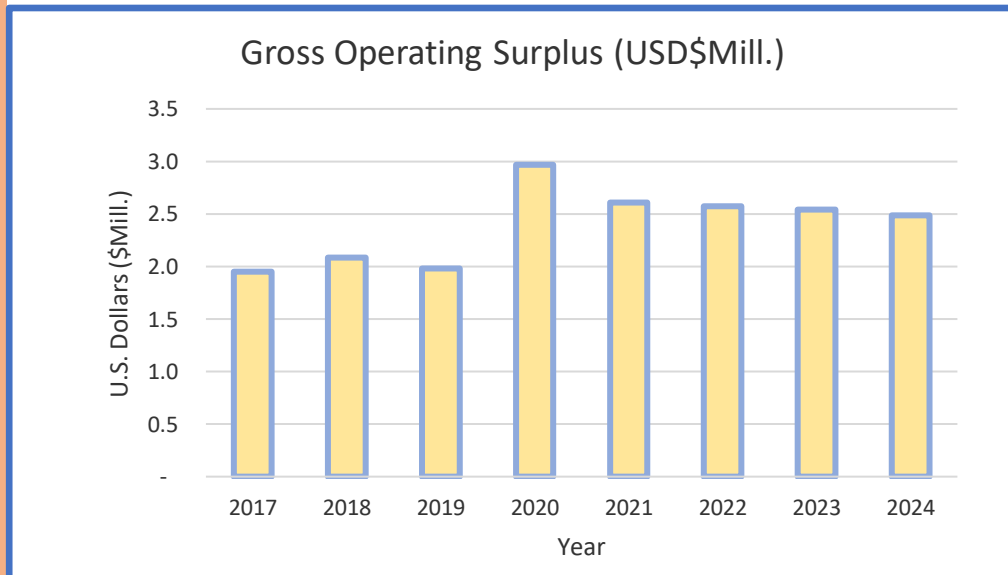
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.0		
2018	2.1	2017-2018	6.8%
2019	2.0	2018-2019	-4.8%
2020	3.0	2018-2020	49.7%
2021	2.6	2020-2021	-12.2%
2022	2.6	2021-2022	-1.3%
2023	2.5	2022-2023	-1.2%
2024	2.5	2023-2024	-2.3%
2029	2.3	CAGR 2024-2029	-8.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Egypt

The Hardboard Products Industry gross operating surplus will be \$16.3 million dollars in 2023 and to change by -1.2 percent from 2022 to 2023 in Egypt. The gross operating surplus will be \$15.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

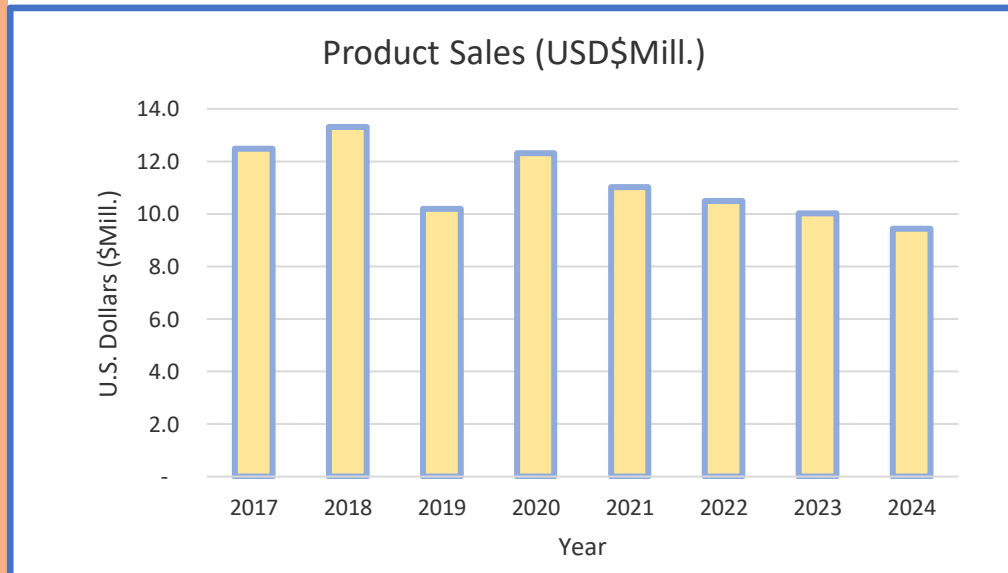
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	12.5		
2018	13.3	2017-2018	6.6%
2019	10.2	2018-2019	-23.3%
2020	12.3	2019-2020	20.7%
2021	11.0	2020-2021	-10.5%
2022	10.5	2021-2022	-4.8%
2023	10.0	2022-2023	-4.6%
2024	9.4	2023-2024	-5.7%
2029	7.3	CAGR 2024-2029	-22.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Finland

The Hardboard Products Industry is forecast to be \$10.0 million dollars in 2023 and to change by -4.6 percent from 2022 to 2023 in Finland. The product markets will be \$9.4 million dollars in 2024 and is forecast to change by -5.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.8		
2018	5.1	2017-2018	6.6%
2019	3.9	2018-2019	-23.3%
2020	4.7	2019-2020	20.7%
2021	4.2	2020-2021	-10.5%
2022	4.0	2021-2022	-4.8%
2023	3.9	2022-2023	-4.6%
2024	3.6	2023-2024	-5.7%
2029	2.8	CAGR 2024-2029	-22.3%

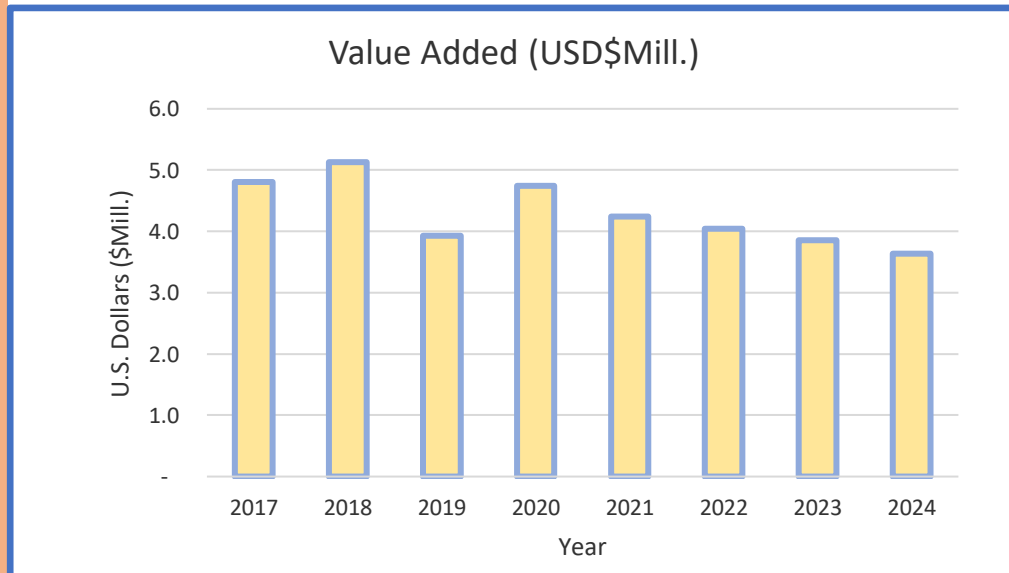
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Finland

The Hardboard Products Industry

value added will be \$10.0 million dollars in 2023 and to change by -4.6 percent from 2022 to 2023 in Finland.

The value added will be \$9.4 million dollars in 2024 and is forecast to change by -5.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

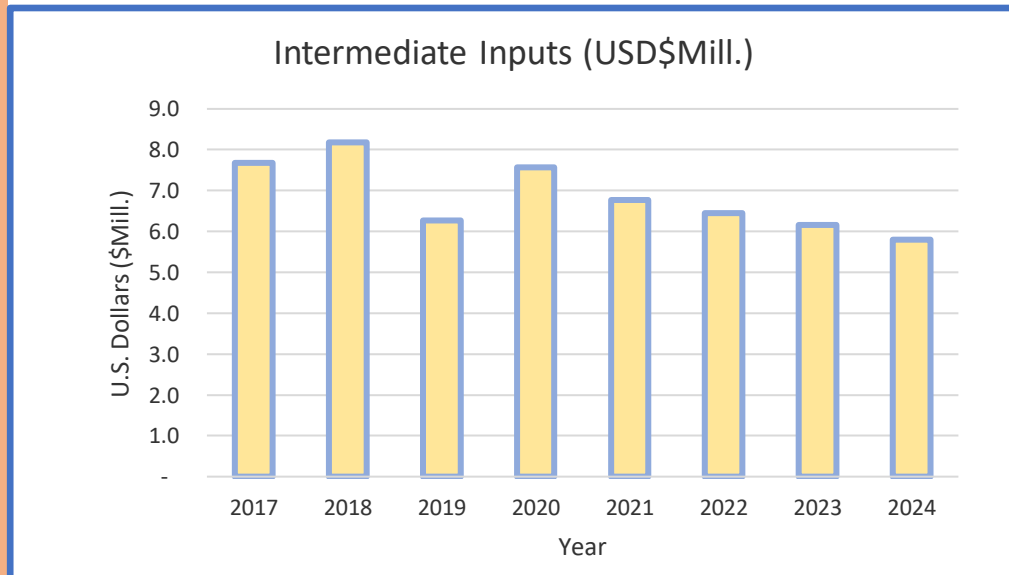
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.7		
2018	8.2	2017-2018	6.6%
2019	6.3	2018-2019	-23.3%
2020	7.6	2018-2020	20.7%
2021	6.8	2020-2021	-10.5%
2022	6.4	2021-2022	-4.8%
2023	6.2	2022-2023	-4.6%
2024	5.8	2023-2024	-5.7%
2029	4.5	CAGR 2024-2029	-22.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Finland

The Hardboard Products Industry intermediate inputs will be \$10.0 million dollars in 2023 and to change by -4.6 percent from 2022 to 2023 in Finland. The intermediate inputs will be \$9.4 million dollars in 2024 and is forecast to change by -5.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

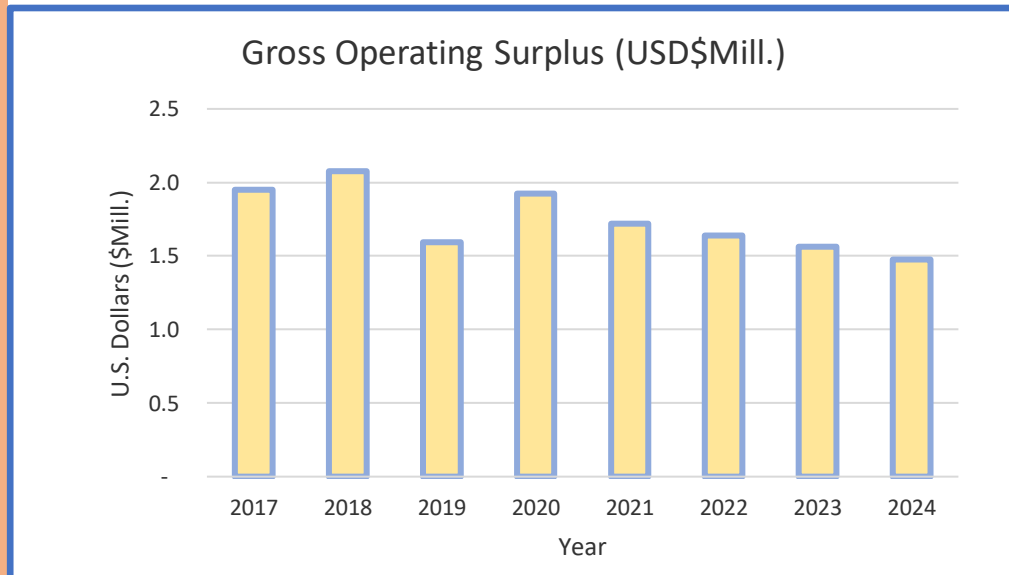
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.9		
2018	2.1	2017-2018	6.6%
2019	1.6	2018-2019	-23.3%
2020	1.9	2018-2020	20.7%
2021	1.7	2020-2021	-10.5%
2022	1.6	2021-2022	-4.8%
2023	1.6	2022-2023	-4.6%
2024	1.5	2023-2024	-5.7%
2029	1.1	CAGR 2024-2029	-22.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Finland

The Hardboard Products Industry gross operating surplus will be \$10.0 million dollars in 2023 and to change by -4.6 percent from 2022 to 2023 in Finland. The gross operating surplus will be \$9.4 million dollars in 2024 and is forecast to change by -5.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

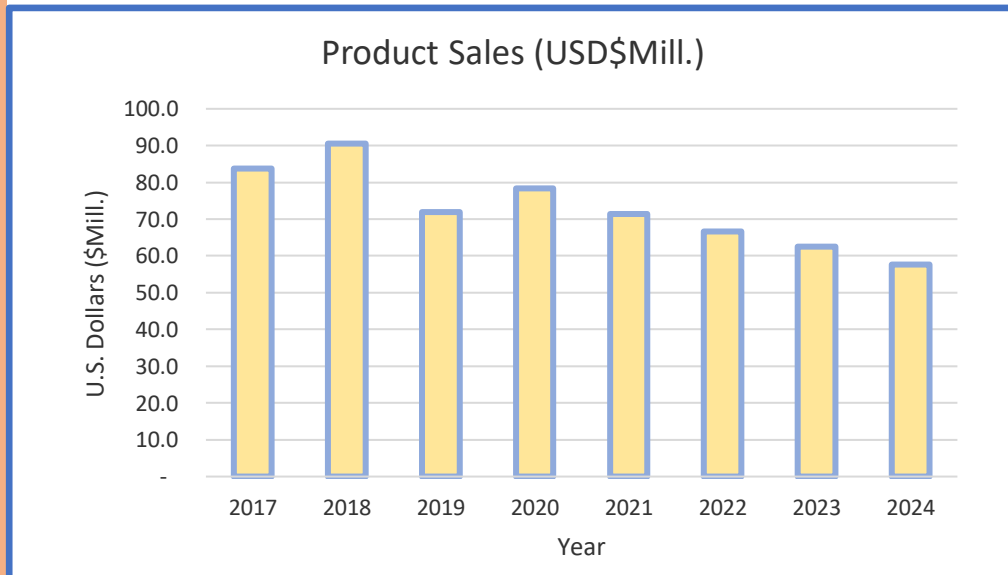
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	83.7		
2018	90.5	2017-2018	8.2%
2019	71.9	2018-2019	-20.6%
2020	78.4	2019-2020	9.2%
2021	71.4	2020-2021	-9.0%
2022	66.6	2021-2022	-6.7%
2023	62.5	2022-2023	-6.3%
2024	57.7	2023-2024	-7.6%
2029	42.1	CAGR 2024-2029	-27.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

France

The Hardboard Products Industry is forecast to be \$62.5 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in France. The product markets will be \$57.7 million dollars in 2024 and is forecast to change by -7.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	32.2		
2018	34.9	2017-2018	8.2%
2019	27.7	2018-2019	-20.6%
2020	30.2	2019-2020	9.2%
2021	27.5	2020-2021	-9.0%
2022	25.7	2021-2022	-6.7%
2023	24.1	2022-2023	-6.3%
2024	22.2	2023-2024	-7.6%
2029	16.2	CAGR 2024-2029	-27.1%

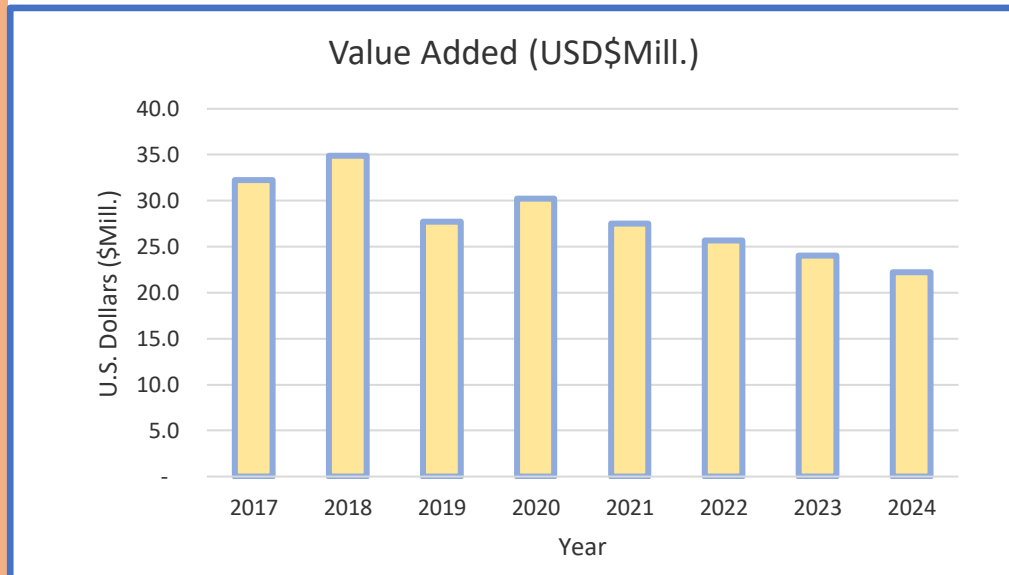
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

France

The Hardboard Products Industry

value added will be \$62.5 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in France.

The value added will be \$57.7 million dollars in 2024 and is forecast to change by -7.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

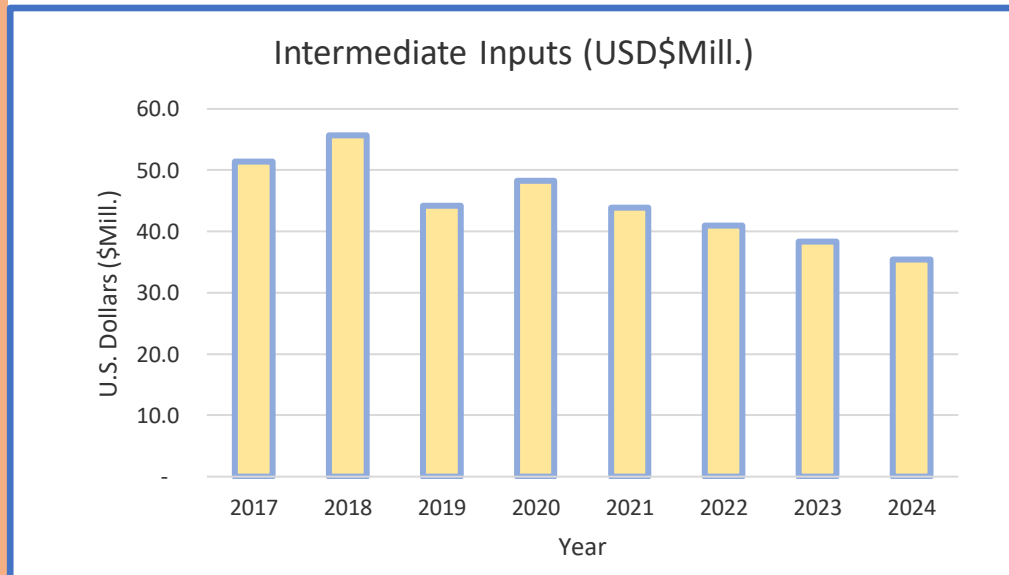
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	51.4		
2018	55.6	2017-2018	8.2%
2019	44.2	2018-2019	-20.6%
2020	48.2	2018-2020	9.2%
2021	43.9	2020-2021	-9.0%
2022	41.0	2021-2022	-6.7%
2023	38.4	2022-2023	-6.3%
2024	35.5	2023-2024	-7.6%
2029	25.9	CAGR 2024-2029	-27.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

France

The Hardboard Products Industry intermediate inputs will be \$62.5 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in France. The intermediate inputs will be \$57.7 million dollars in 2024 and is forecast to change by -7.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.1		
2018	14.1	2017-2018	8.2%
2019	11.2	2018-2019	-20.6%
2020	12.3	2018-2020	9.2%
2021	11.2	2020-2021	-9.0%
2022	10.4	2021-2022	-6.7%
2023	9.8	2022-2023	-6.3%
2024	9.0	2023-2024	-7.6%
2029	6.6	CAGR 2024-2029	-27.1%

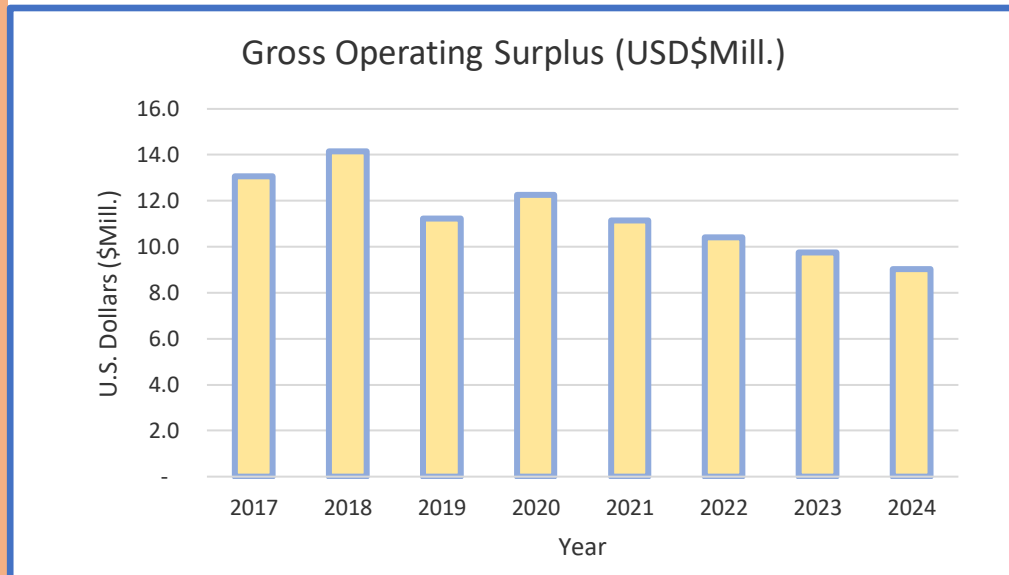
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France

The Hardboard Products Industry

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The gross operating surplus will be \$57.7 million dollars in 2024 and is forecast to change by -7.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

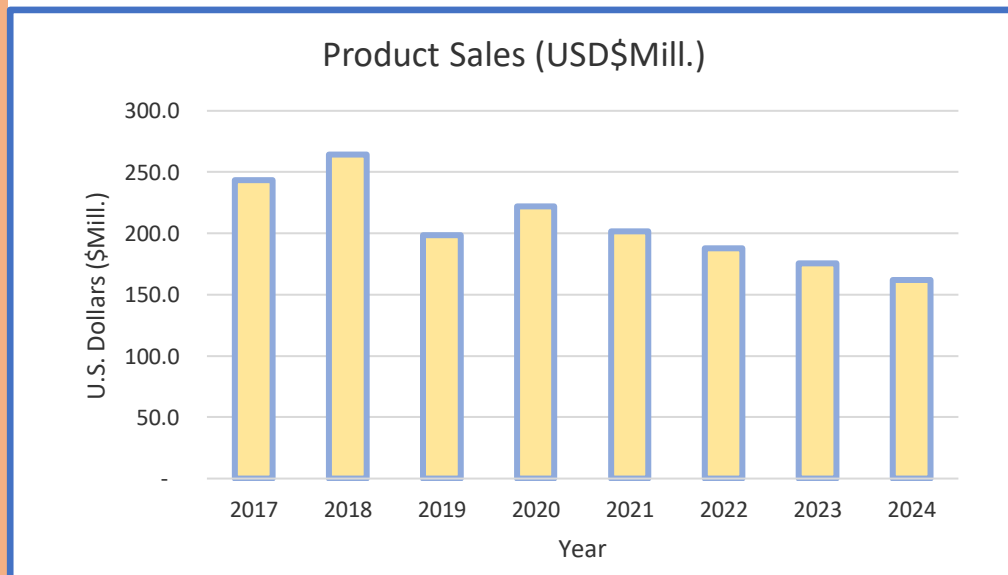
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	243.2		
2018	264.5	2017-2018	8.8%
2019	198.5	2018-2019	-25.0%
2020	221.9	2019-2020	11.8%
2021	201.6	2020-2021	-9.2%
2022	187.8	2021-2022	-6.8%
2023	175.5	2022-2023	-6.5%
2024	161.9	2023-2024	-7.8%
2029	114.0	CAGR 2024-2029	-29.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Germany

The Hardboard Products Industry is forecast to be \$175.5 million dollars in 2023 and to change by -6.5 percent from 2022 to 2023 in Germany. The product markets will be \$161.9 million dollars in 2024 and is forecast to change by -7.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	93.7		
2018	101.9	2017-2018	8.8%
2019	76.5	2018-2019	-25.0%
2020	85.5	2019-2020	11.8%
2021	77.7	2020-2021	-9.2%
2022	72.4	2021-2022	-6.8%
2023	67.6	2022-2023	-6.5%
2024	62.4	2023-2024	-7.8%
2029	43.9	CAGR 2024-2029	-29.6%

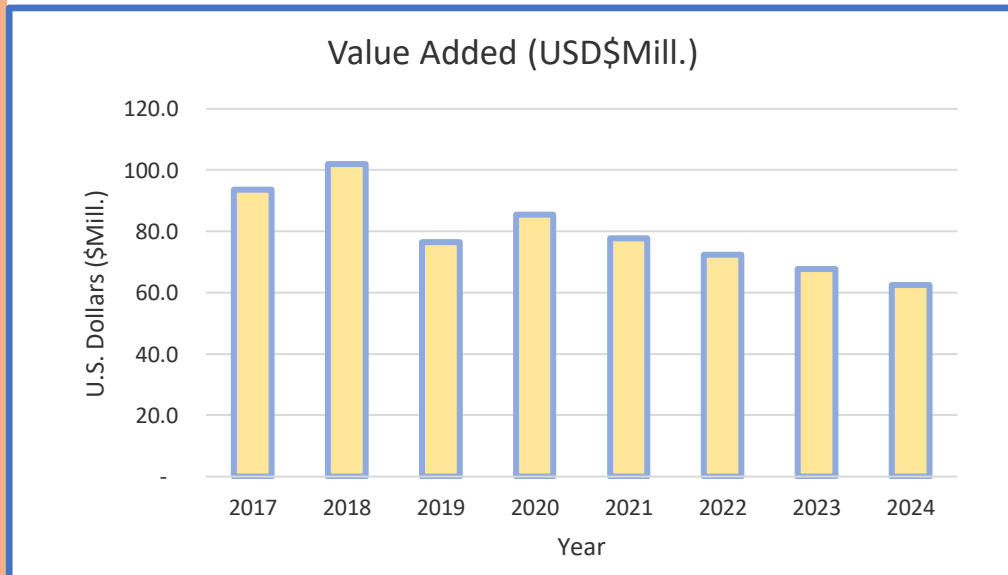
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Germany

The Hardboard Products Industry

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Source: Wharry Sharpe Research

# Hardboard Products Industry

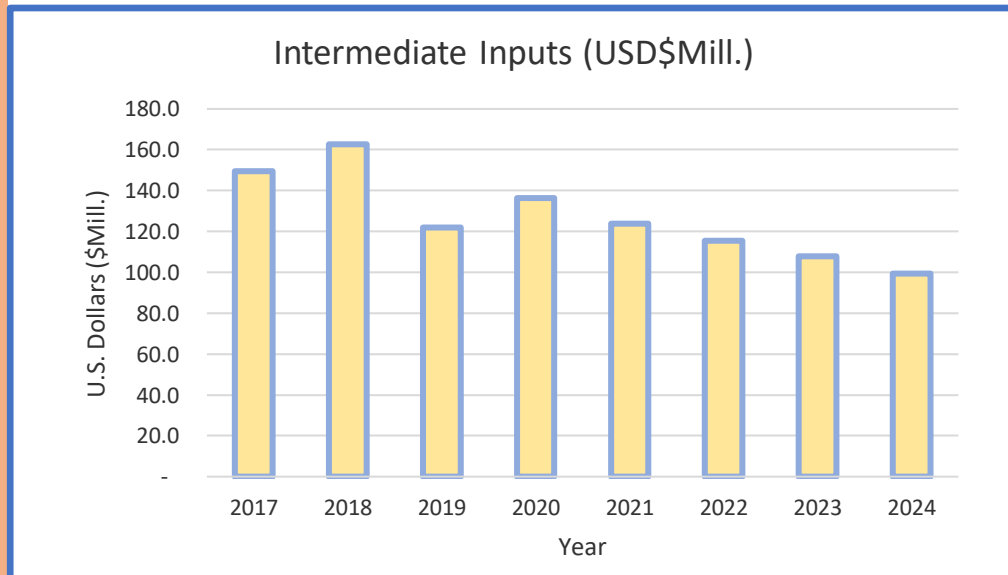
## INTERMEDIATE INPUTS

Intermediate Inputs (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	149.5		
2018	162.6	2017-2018	8.8%
2019	122.0	2018-2019	-25.0%
2020	136.4	2018-2020	11.8%
2021	123.9	2020-2021	-9.2%
2022	115.5	2021-2022	-6.8%
2023	107.9	2022-2023	-6.5%
2024	99.5	2023-2024	-7.8%
2029	70.1	CAGR 2024-2029	-29.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Germany

The Hardboard Products Industry intermediate inputs will be \$175.5 million dollars in 2023 and to change by -6.5 percent from 2022 to 2023 in Germany. The intermediate inputs will be \$161.9 million dollars in 2024 and is forecast to change by -7.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

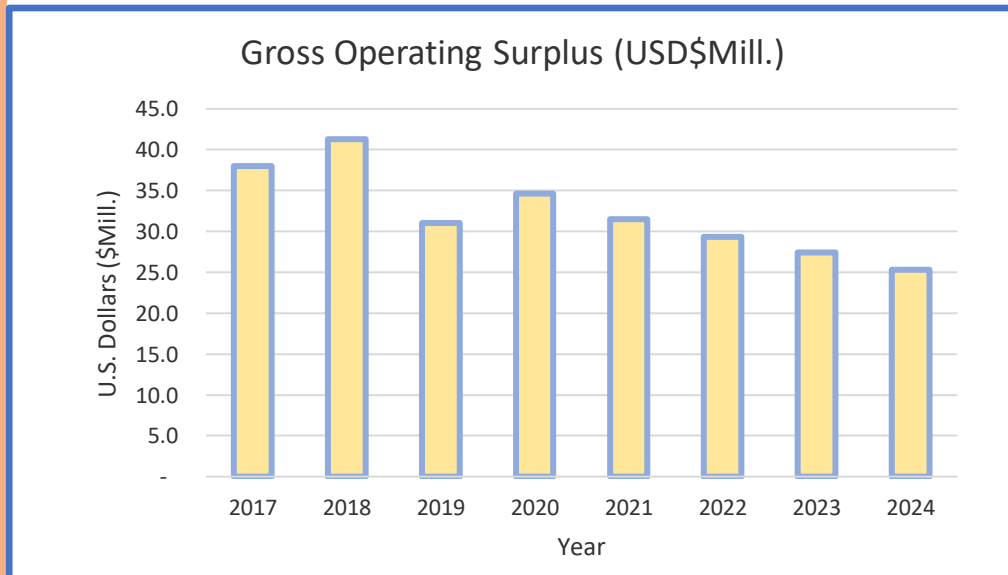
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	38.0		
2018	41.3	2017-2018	8.8%
2019	31.0	2018-2019	-25.0%
2020	34.7	2018-2020	11.8%
2021	31.5	2020-2021	-9.2%
2022	29.3	2021-2022	-6.8%
2023	27.4	2022-2023	-6.5%
2024	25.3	2023-2024	-7.8%
2029	17.8	CAGR 2024-2029	-29.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Germany

The Hardboard Products Industry gross operating surplus will be \$175.5 million dollars in 2023 and to change by -6.5 percent from 2022 to 2023 in Germany. The gross operating surplus will be \$161.9 million dollars in 2024 and is forecast to change by -7.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

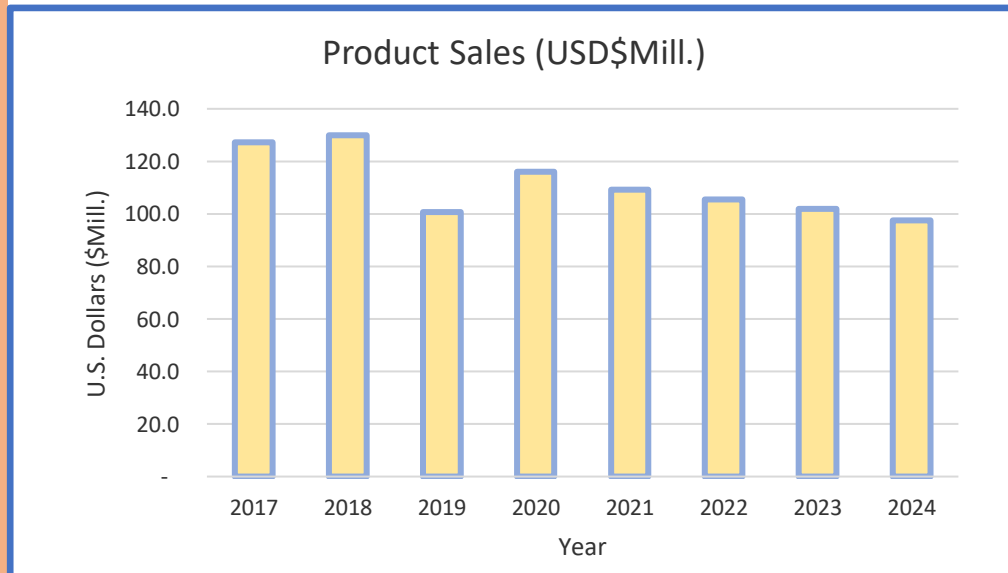
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	127.3		
2018	129.9	2017-2018	2.0%
2019	100.7	2018-2019	-22.5%
2020	115.9	2019-2020	15.1%
2021	109.1	2020-2021	-5.9%
2022	105.5	2021-2022	-3.3%
2023	102.0	2022-2023	-3.4%
2024	97.5	2023-2024	-4.3%
2029	78.7	CAGR 2024-2029	-19.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

India

The Hardboard Products Industry is forecast to be \$102.0 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in India. The product markets will be \$97.5 million dollars in 2024 and is forecast to change by -4.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	49.0		
2018	50.0	2017-2018	2.0%
2019	38.8	2018-2019	-22.5%
2020	44.7	2019-2020	15.1%
2021	42.0	2020-2021	-5.9%
2022	40.6	2021-2022	-3.3%
2023	39.3	2022-2023	-3.4%
2024	37.6	2023-2024	-4.3%
2029	30.3	CAGR 2024-2029	-19.3%

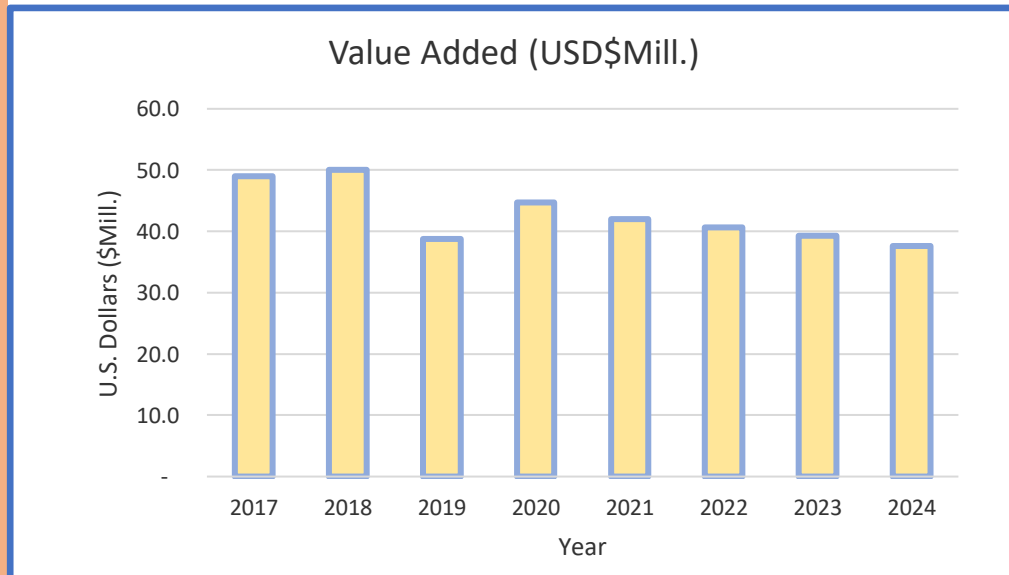
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

India

The Hardboard Products Industry

value added will be \$102.0 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in India.

The value added will be \$97.5 million dollars in 2024 and is forecast to change by -4.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

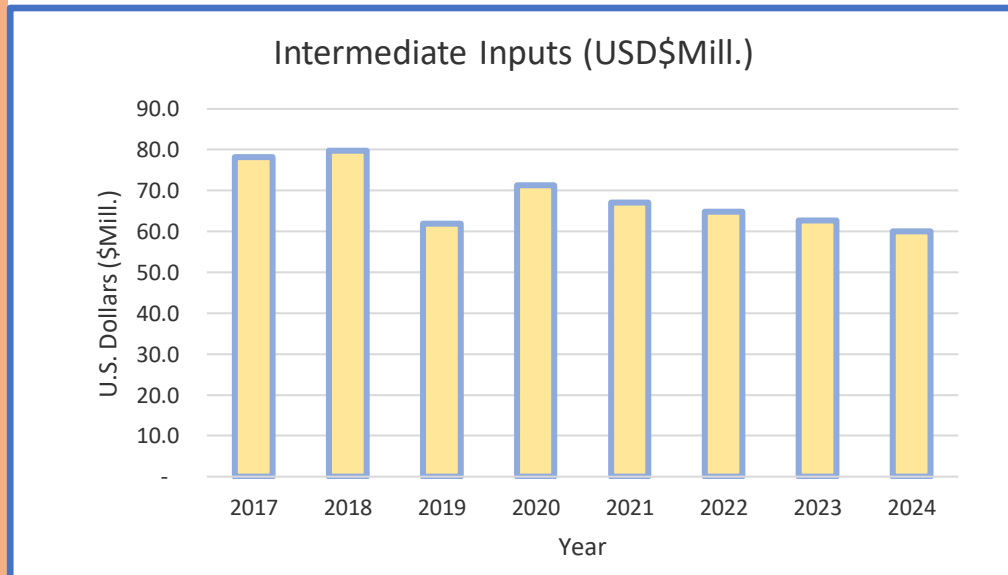
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	78.2		
2018	79.8	2017-2018	2.0%
2019	61.9	2018-2019	-22.5%
2020	71.3	2018-2020	15.1%
2021	67.1	2020-2021	-5.9%
2022	64.8	2021-2022	-3.3%
2023	62.7	2022-2023	-3.4%
2024	60.0	2023-2024	-4.3%
2029	48.4	CAGR 2024-2029	-19.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

India

The Hardboard Products Industry intermediate inputs will be \$102.0 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in India. The intermediate inputs will be \$97.5 million dollars in 2024 and is forecast to change by -4.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

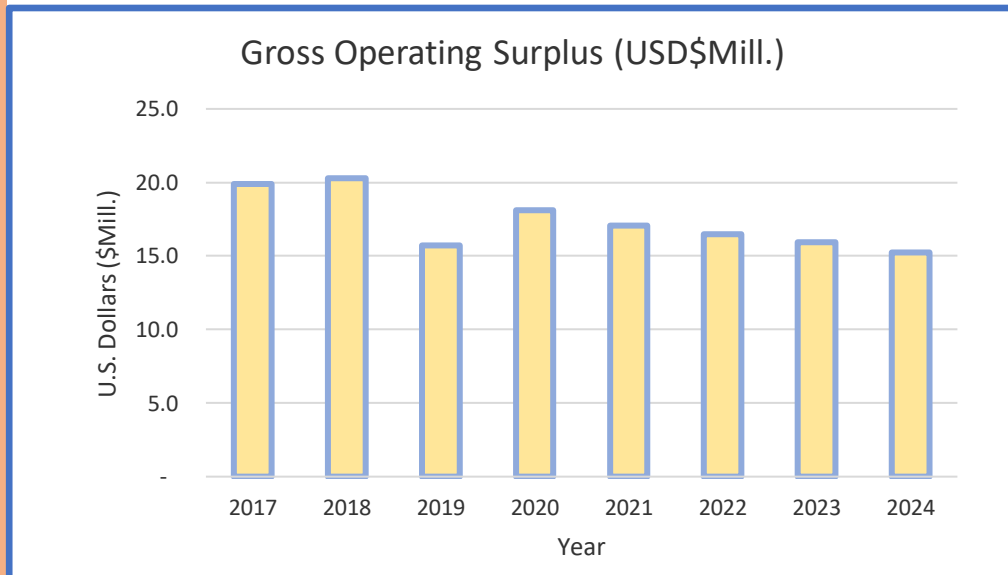
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	19.9		
2018	20.3	2017-2018	2.0%
2019	15.7	2018-2019	-22.5%
2020	18.1	2018-2020	15.1%
2021	17.0	2020-2021	-5.9%
2022	16.5	2021-2022	-3.3%
2023	15.9	2022-2023	-3.4%
2024	15.2	2023-2024	-4.3%
2029	12.3	CAGR 2024-2029	-19.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

India

The Hardboard Products Industry gross operating surplus will be \$102.0 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in India. The gross operating surplus will be \$97.5 million dollars in 2024 and is forecast to change by -4.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

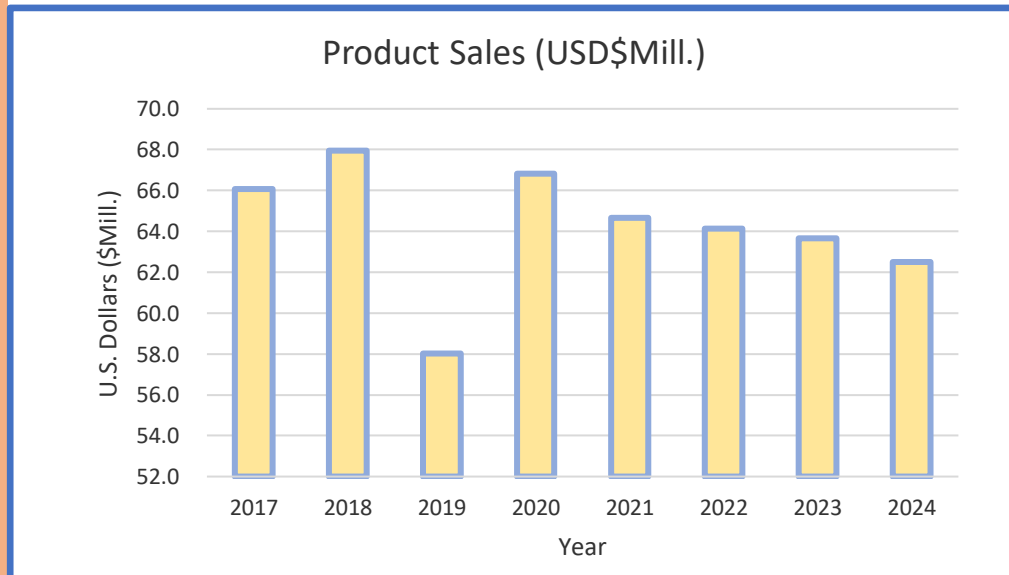
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	66.1		
2018	68.0	2017-2018	2.8%
2019	58.0	2018-2019	-14.6%
2020	66.8	2019-2020	15.1%
2021	64.6	2020-2021	-3.2%
2022	64.1	2021-2022	-0.8%
2023	63.6	2022-2023	-0.8%
2024	62.5	2023-2024	-1.8%
2029	58.5	CAGR 2024-2029	-6.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$63.6 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Indonesia. The product markets will be \$62.5 million dollars in 2024 and is forecast to change by -1.8 percent from 2023 to 2024.

Indonesia



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	25.5		
2018	26.2	2017-2018	2.8%
2019	22.4	2018-2019	-14.6%
2020	25.7	2019-2020	15.1%
2021	24.9	2020-2021	-3.2%
2022	24.7	2021-2022	-0.8%
2023	24.5	2022-2023	-0.8%
2024	24.1	2023-2024	-1.8%
2029	22.6	CAGR 2024-2029	-6.3%

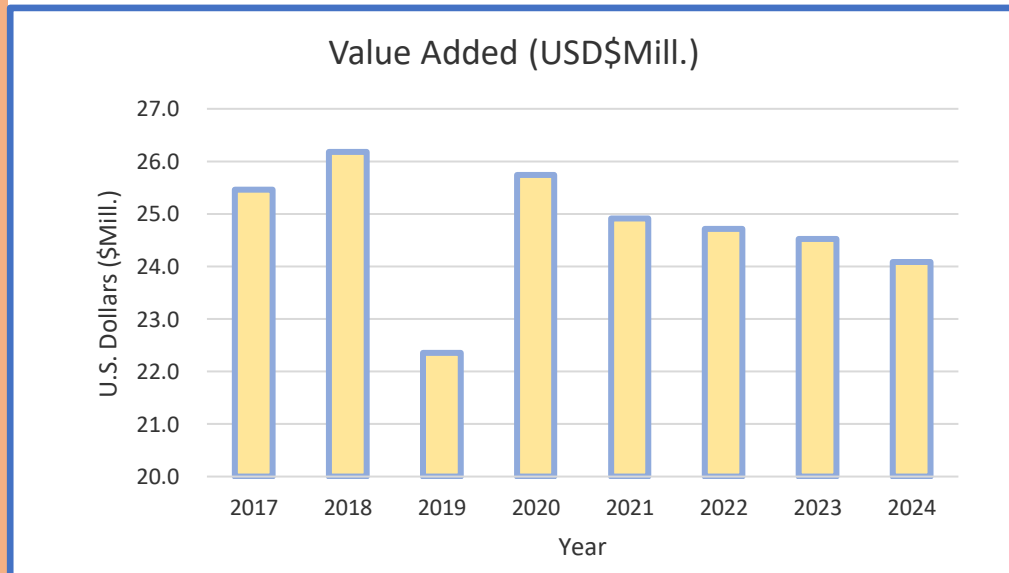
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Indonesia

The Hardboard Products Industry

value added will be \$63.6 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Indonesia.

The value added will be \$62.5 million dollars in 2024 and is forecast to change by -1.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

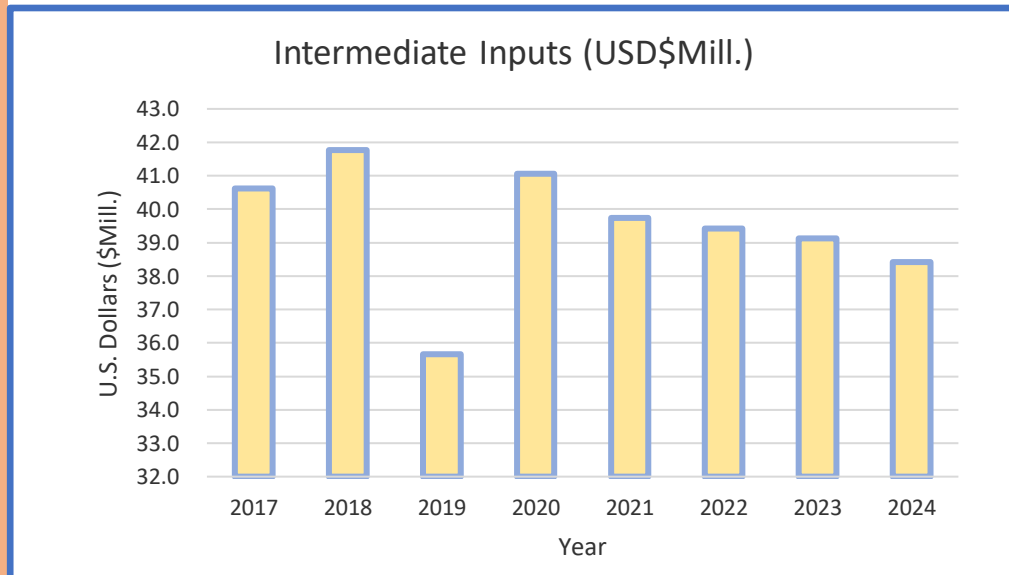
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	40.6		
2018	41.8	2017-2018	2.8%
2019	35.7	2018-2019	-14.6%
2020	41.1	2018-2020	15.1%
2021	39.7	2020-2021	-3.2%
2022	39.4	2021-2022	-0.8%
2023	39.1	2022-2023	-0.8%
2024	38.4	2023-2024	-1.8%
2029	36.0	CAGR 2024-2029	-6.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Indonesia

The Hardboard Products Industry intermediate inputs will be \$63.6 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Indonesia. The intermediate inputs will be \$62.5 million dollars in 2024 and is forecast to change by -1.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

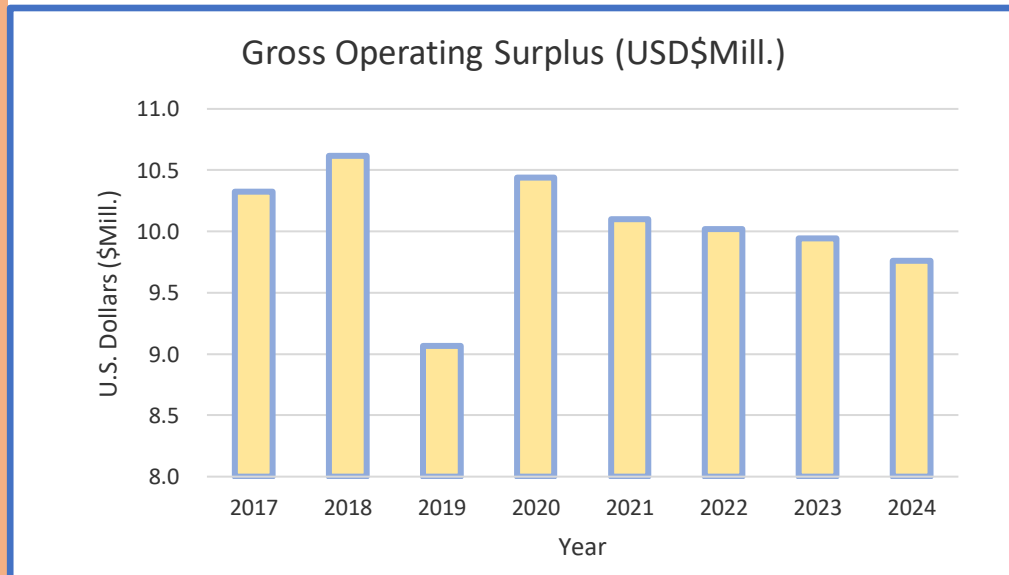
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	10.3		
2018	10.6	2017-2018	2.8%
2019	9.1	2018-2019	-14.6%
2020	10.4	2018-2020	15.1%
2021	10.1	2020-2021	-3.2%
2022	10.0	2021-2022	-0.8%
2023	9.9	2022-2023	-0.8%
2024	9.8	2023-2024	-1.8%
2029	9.1	CAGR 2024-2029	-6.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$63.6 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Indonesia. The gross operating surplus will be \$62.5 million dollars in 2024 and is forecast to change by -1.8 percent from 2023 to 2024.

Indonesia



Source: Wharry Sharpe Research

# Hardboard Products Industry

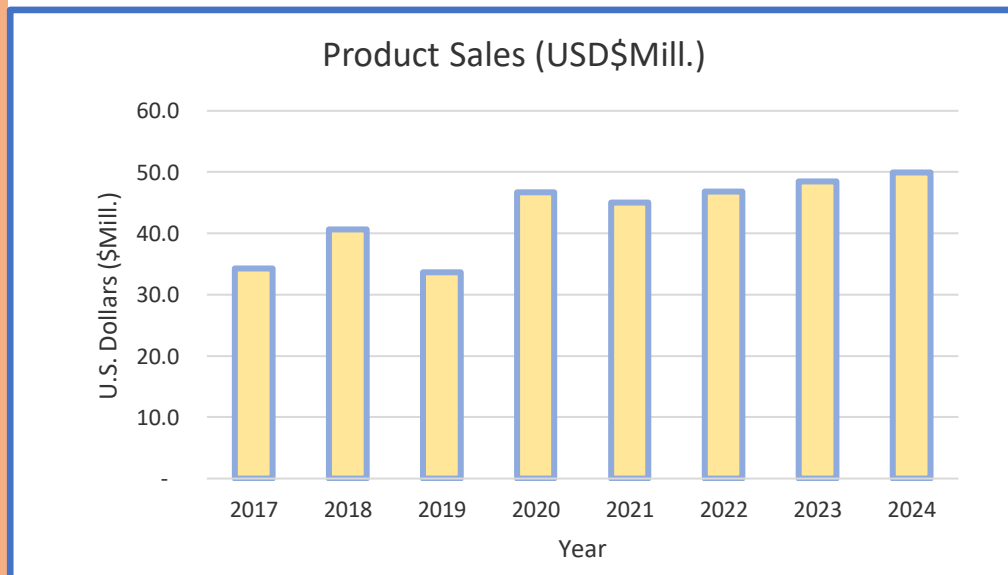
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	34.3		
2018	40.7	2017-2018	18.7%
2019	33.6	2018-2019	-17.4%
2020	46.7	2019-2020	38.8%
2021	45.1	2020-2021	-3.5%
2022	46.8	2021-2022	3.9%
2023	48.5	2022-2023	3.6%
2024	49.9	2023-2024	2.8%
2029	55.2	CAGR 2024-2029	10.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Ireland

The Hardboard Products Industry is forecast to be \$48.5 million dollars in 2023 and to change by 3.6 percent from 2022 to 2023 in Ireland. The product markets will be \$49.9 million dollars in 2024 and is forecast to change by 2.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.2		
2018	15.7	2017-2018	18.7%
2019	13.0	2018-2019	-17.4%
2020	18.0	2019-2020	38.8%
2021	17.4	2020-2021	-3.5%
2022	18.0	2021-2022	3.9%
2023	18.7	2022-2023	3.6%
2024	19.2	2023-2024	2.8%
2029	21.3	CAGR 2024-2029	10.6%

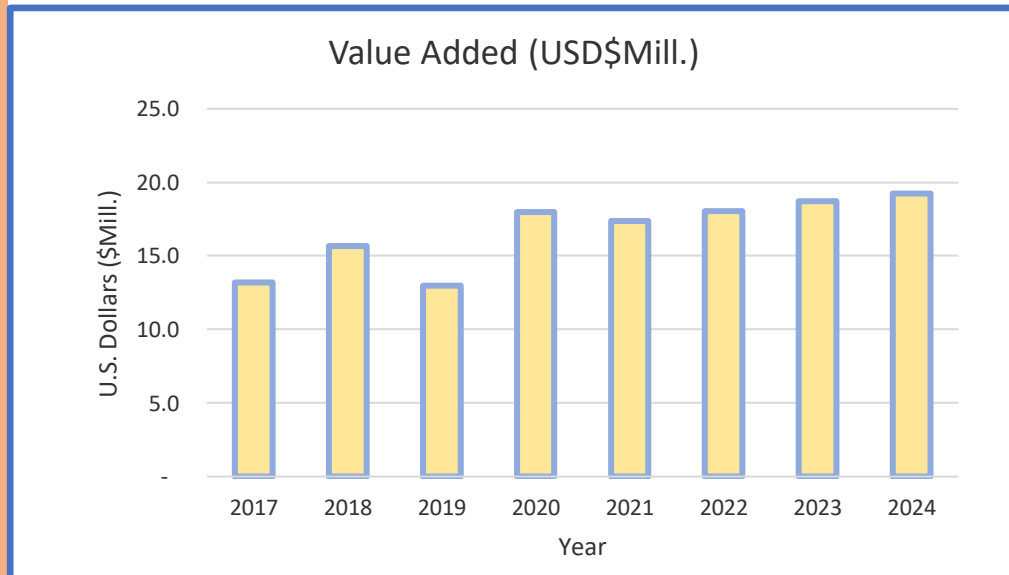
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Ireland

The Hardboard Products Industry

value added will be \$48.5 million dollars in 2023 and to change by 3.6 percent from 2022 to 2023 in Ireland.

The value added will be \$49.9 million dollars in 2024 and is forecast to change by 2.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

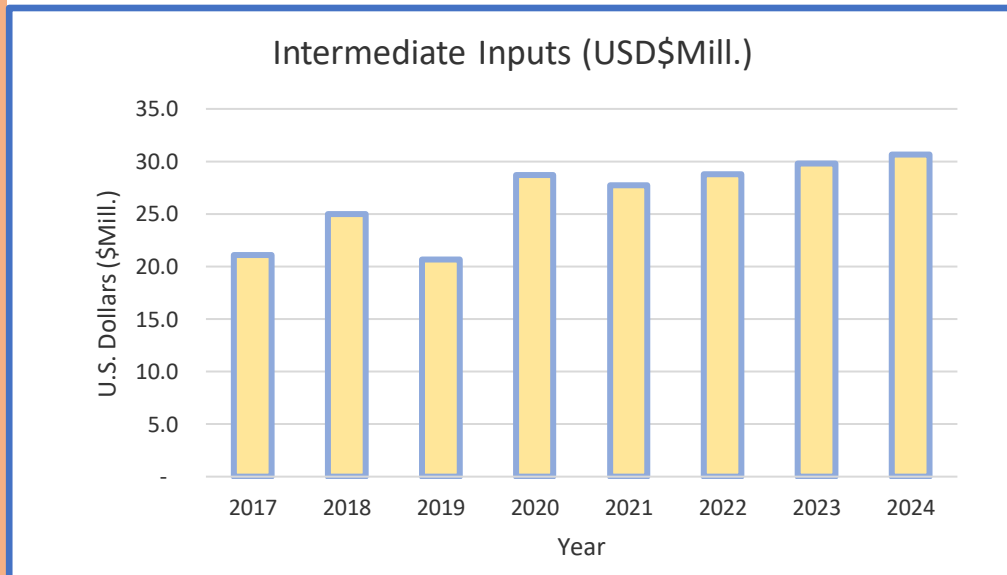
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	21.1		
2018	25.0	2017-2018	18.7%
2019	20.7	2018-2019	-17.4%
2020	28.7	2018-2020	38.8%
2021	27.7	2020-2021	-3.5%
2022	28.8	2021-2022	3.9%
2023	29.8	2022-2023	3.6%
2024	30.7	2023-2024	2.8%
2029	33.9	CAGR 2024-2029	10.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Ireland

The Hardboard Products Industry intermediate inputs will be \$48.5 million dollars in 2023 and to change by 3.6 percent from 2022 to 2023 in Ireland. The intermediate inputs will be \$49.9 million dollars in 2024 and is forecast to change by 2.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.4		
2018	6.4	2017-2018	18.7%
2019	5.3	2018-2019	-17.4%
2020	7.3	2018-2020	38.8%
2021	7.0	2020-2021	-3.5%
2022	7.3	2021-2022	3.9%
2023	7.6	2022-2023	3.6%
2024	7.8	2023-2024	2.8%
2029	8.6	CAGR 2024-2029	10.6%

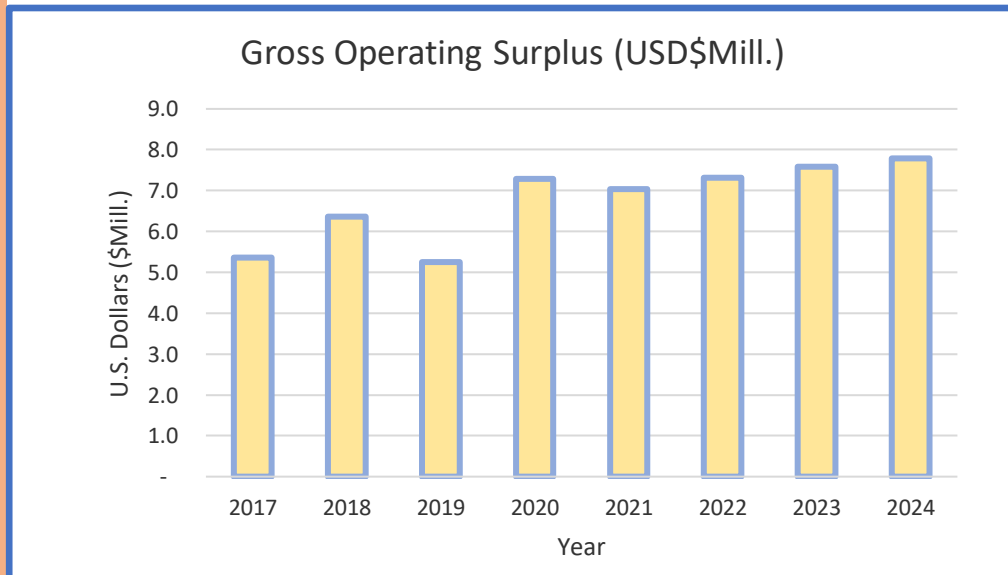
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Ireland

The Hardboard Products Industry

gross operating surplus will be \$48.5 million dollars in 2023 and to change by 3.6 percent from 2022 to 2023 in Ireland.

The gross operating surplus will be \$49.9 million dollars in 2024 and is forecast to change by 2.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

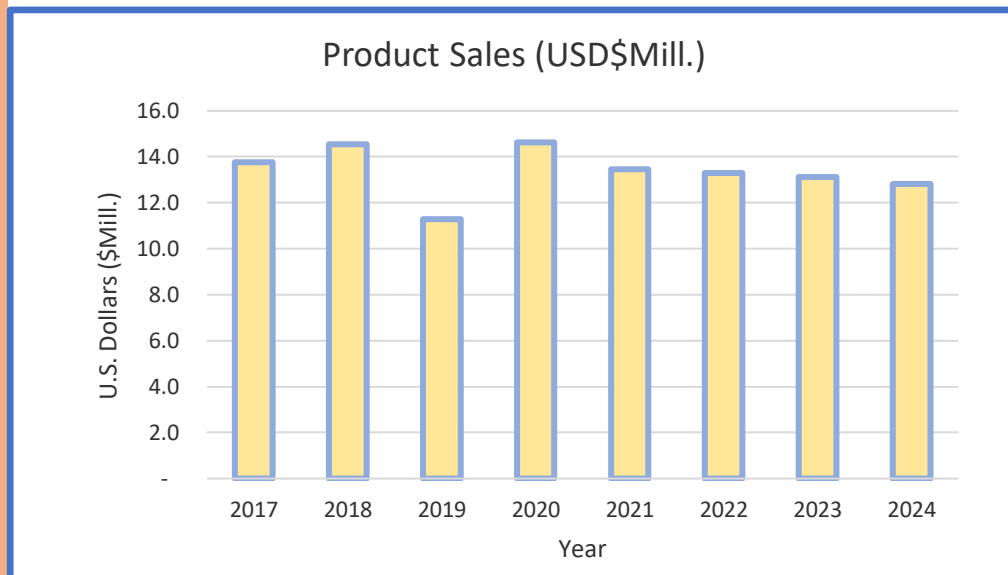
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.8		
2018	14.5	2017-2018	5.7%
2019	11.3	2018-2019	-22.4%
2020	14.6	2019-2020	29.7%
2021	13.5	2020-2021	-8.0%
2022	13.3	2021-2022	-1.3%
2023	13.1	2022-2023	-1.4%
2024	12.8	2023-2024	-2.3%
2029	11.4	CAGR 2024-2029	-11.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Israel

The Hardboard Products Industry is forecast to be \$13.1 million dollars in 2023 and to change by -1.4 percent from 2022 to 2023 in Israel. The product markets will be \$12.8 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.3		
2018	5.6	2017-2018	5.7%
2019	4.4	2018-2019	-22.4%
2020	5.6	2019-2020	29.7%
2021	5.2	2020-2021	-8.0%
2022	5.1	2021-2022	-1.3%
2023	5.1	2022-2023	-1.4%
2024	4.9	2023-2024	-2.3%
2029	4.4	CAGR 2024-2029	-11.2%

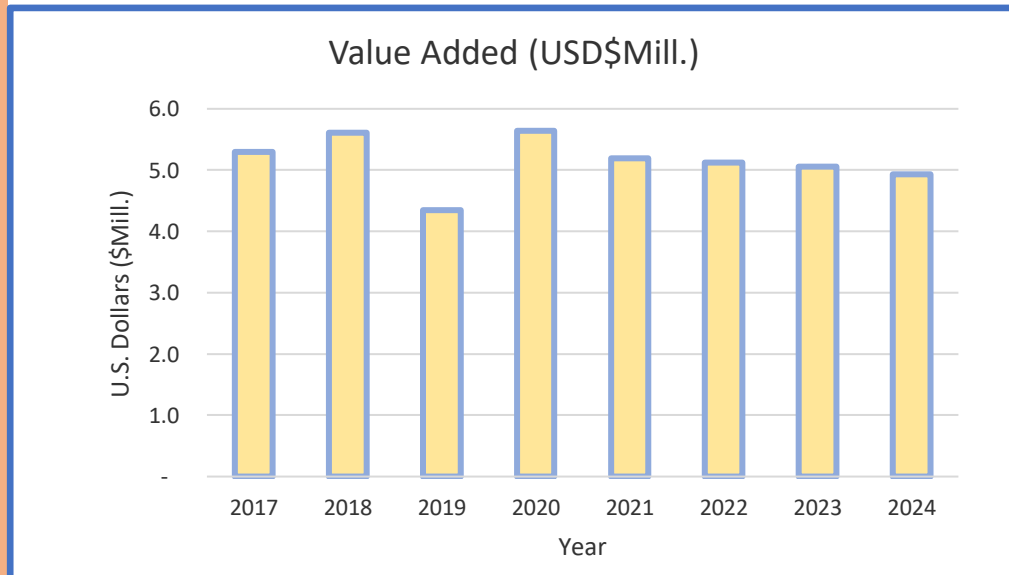
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Israel

The Hardboard Products Industry

value added will be \$13.1 million dollars in 2023 and to change by -1.4 percent from 2022 to 2023 in Israel.

The value added will be \$12.8 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

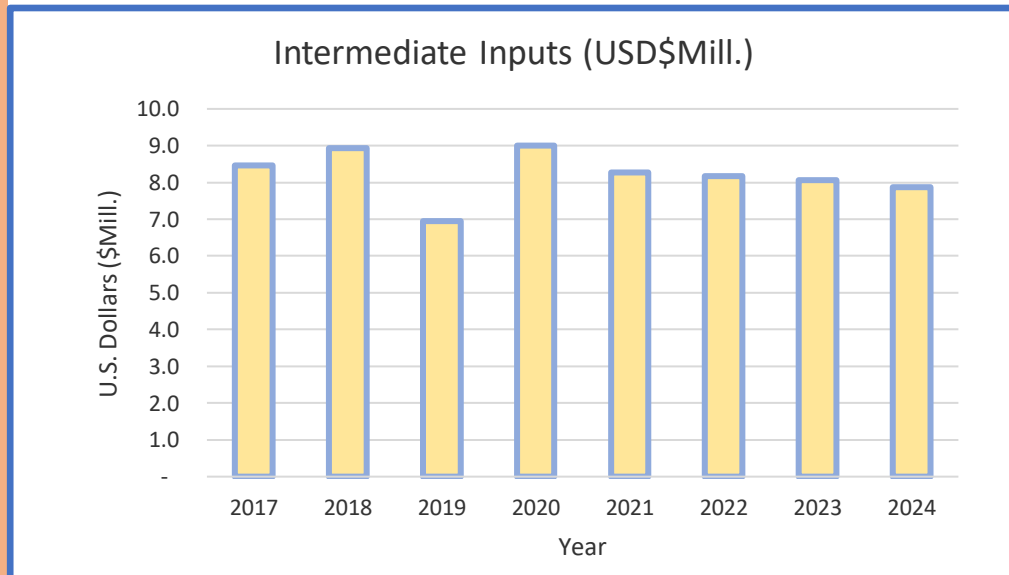
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.5		
2018	8.9	2017-2018	5.7%
2019	6.9	2018-2019	-22.4%
2020	9.0	2018-2020	29.7%
2021	8.3	2020-2021	-8.0%
2022	8.2	2021-2022	-1.3%
2023	8.1	2022-2023	-1.4%
2024	7.9	2023-2024	-2.3%
2029	7.0	CAGR 2024-2029	-11.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Israel

The Hardboard Products Industry intermediate inputs will be \$13.1 million dollars in 2023 and to change by -1.4 percent from 2022 to 2023 in Israel. The intermediate inputs will be \$12.8 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.1		
2018	2.3	2017-2018	5.7%
2019	1.8	2018-2019	-22.4%
2020	2.3	2018-2020	29.7%
2021	2.1	2020-2021	-8.0%
2022	2.1	2021-2022	-1.3%
2023	2.0	2022-2023	-1.4%
2024	2.0	2023-2024	-2.3%
2029	1.8	CAGR 2024-2029	-11.2%

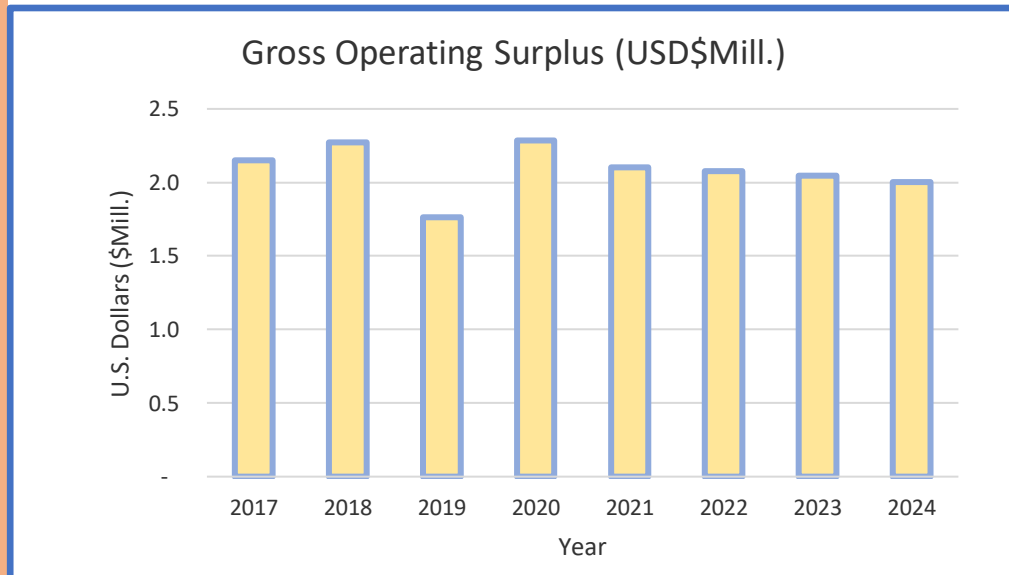
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Israel

The Hardboard Products Industry

gross operating surplus will be \$13.1 million dollars in 2023 and to change by -1.4 percent from 2022 to 2023 in Israel.

The gross operating surplus will be \$12.8 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

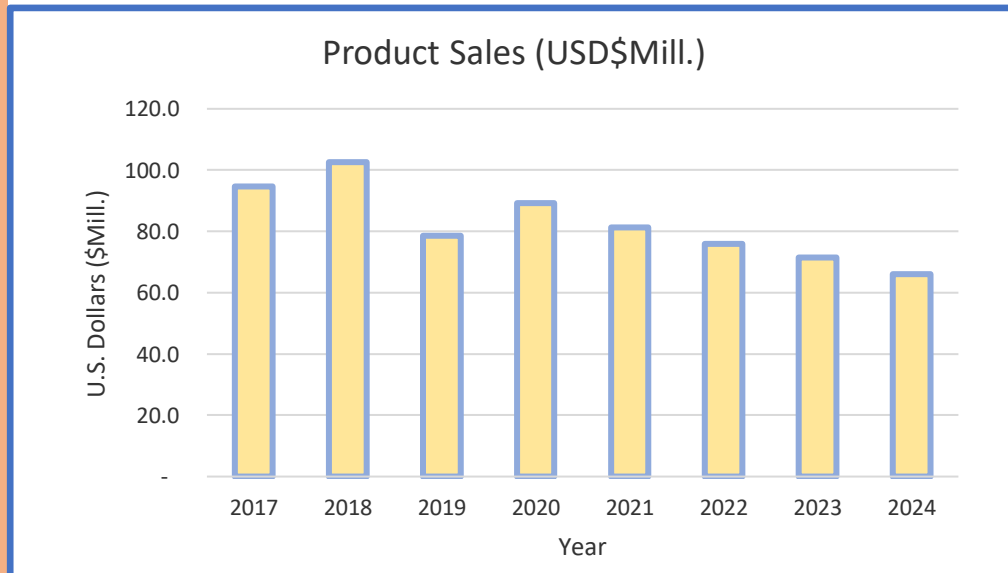
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	94.6		
2018	102.7	2017-2018	8.5%
2019	78.5	2018-2019	-23.5%
2020	89.2	2019-2020	13.6%
2021	81.2	2020-2021	-8.9%
2022	75.9	2021-2022	-6.5%
2023	71.4	2022-2023	-6.0%
2024	66.1	2023-2024	-7.4%
2029	50.1	CAGR 2024-2029	-24.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Italy

The Hardboard Products Industry is forecast to be \$71.4 million dollars in 2023 and to change by -6 percent from 2022 to 2023 in Italy. The product markets will be \$66.1 million dollars in 2024 and is forecast to change by -7.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

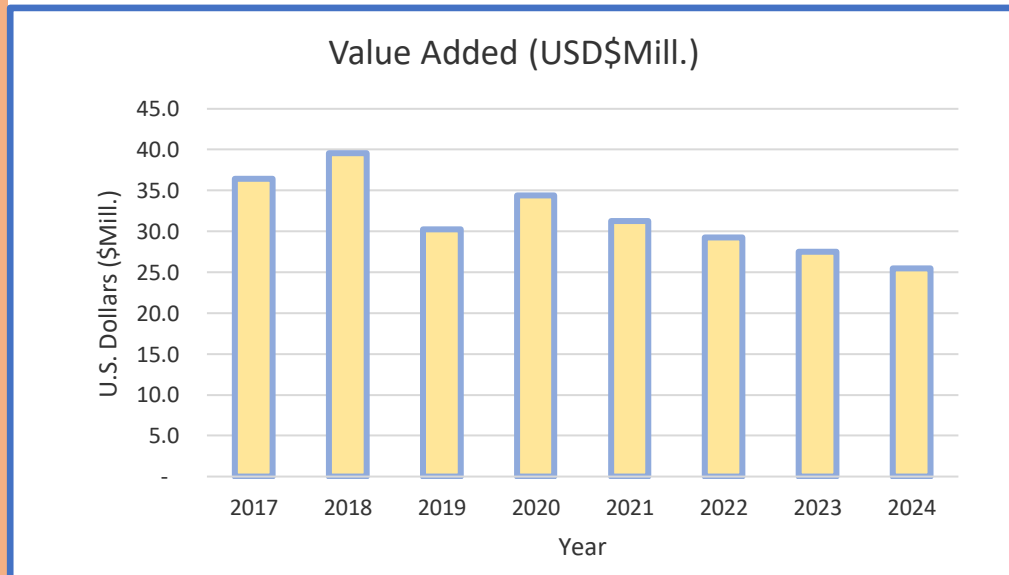
Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	36.5		
2018	39.6	2017-2018	8.5%
2019	30.3	2018-2019	-23.5%
2020	34.4	2019-2020	13.6%
2021	31.3	2020-2021	-8.9%
2022	29.3	2021-2022	-6.5%
2023	27.5	2022-2023	-6.0%
2024	25.5	2023-2024	-7.4%
2029	19.3	CAGR 2024-2029	-24.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Italy

The Hardboard Products Industry value added will be \$71.4 million dollars in 2023 and to change by -6 percent from 2022 to 2023 in Italy.

The value added will be \$66.1 million dollars in 2024 and is forecast to change by -7.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

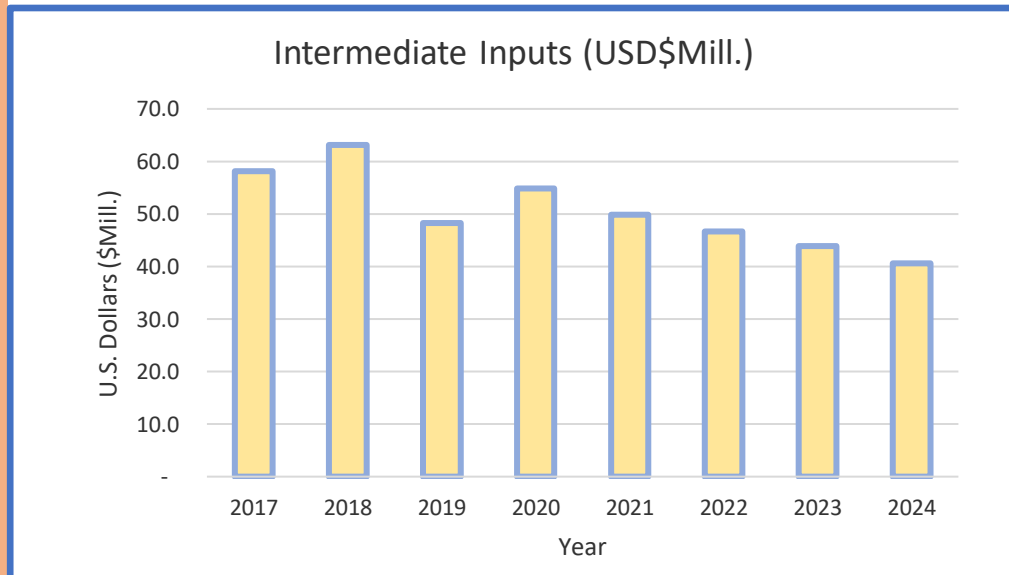
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	58.2		
2018	63.1	2017-2018	8.5%
2019	48.3	2018-2019	-23.5%
2020	54.8	2018-2020	13.6%
2021	49.9	2020-2021	-8.9%
2022	46.7	2021-2022	-6.5%
2023	43.9	2022-2023	-6.0%
2024	40.6	2023-2024	-7.4%
2029	30.8	CAGR 2024-2029	-24.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Italy

The Hardboard Products Industry intermediate inputs will be \$71.4 million dollars in 2023 and to change by -6 percent from 2022 to 2023 in Italy. The intermediate inputs will be \$66.1 million dollars in 2024 and is forecast to change by -7.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

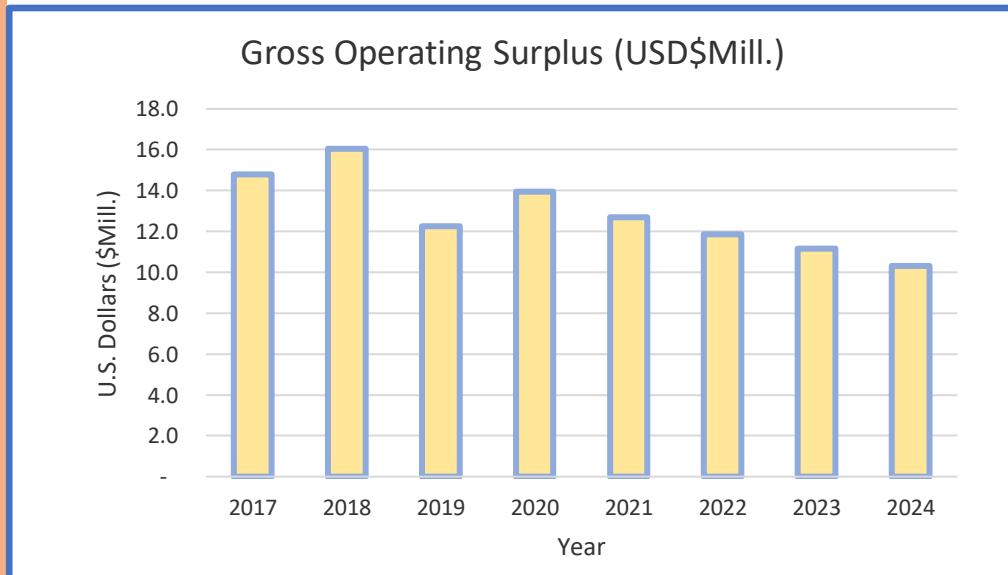
Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	14.8		
2018	16.0	2017-2018	8.5%
2019	12.3	2018-2019	-23.5%
2020	13.9	2018-2020	13.6%
2021	12.7	2020-2021	-8.9%
2022	11.9	2021-2022	-6.5%
2023	11.2	2022-2023	-6.0%
2024	10.3	2023-2024	-7.4%
2029	7.8	CAGR 2024-2029	-24.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Italy

The Hardboard Products Industry gross operating surplus will be \$71.4 million dollars in 2023 and to change by -6 percent from 2022 to 2023 in Italy.

The gross operating surplus will be \$66.1 million dollars in 2024 and is forecast to change by -7.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

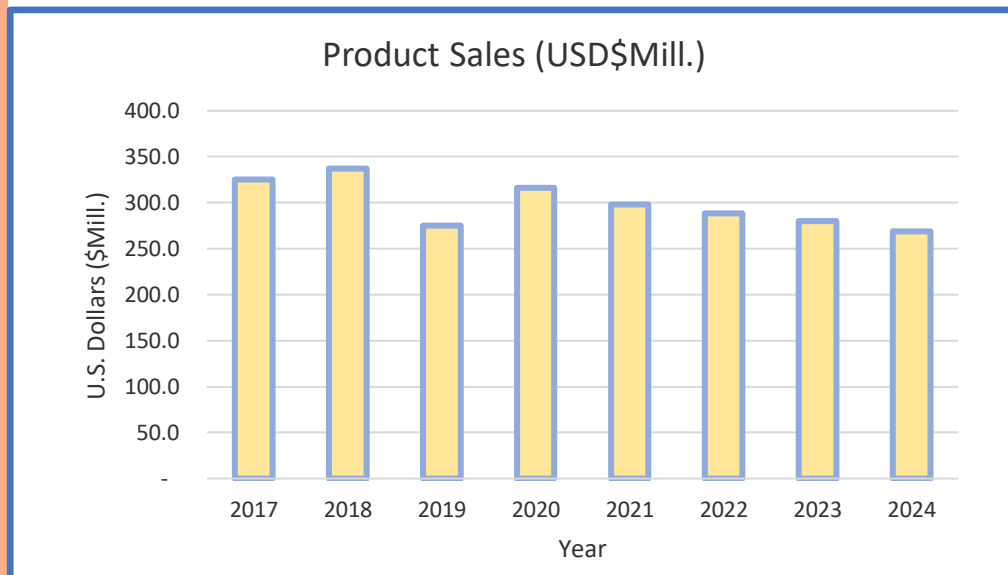
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	325.5		
2018	337.4	2017-2018	3.7%
2019	275.1	2018-2019	-18.5%
2020	316.1	2019-2020	14.9%
2021	297.8	2020-2021	-5.8%
2022	288.4	2021-2022	-3.2%
2023	280.1	2022-2023	-2.9%
2024	268.5	2023-2024	-4.1%
2029	231.9	CAGR 2024-2029	-13.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Japan

The Hardboard Products Industry is forecast to be \$280.1 million dollars in 2023 and to change by -2.9 percent from 2022 to 2023 in Japan. The product markets will be \$268.5 million dollars in 2024 and is forecast to change by -4.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	125.4		
2018	130.0	2017-2018	3.7%
2019	106.0	2018-2019	-18.5%
2020	121.8	2019-2020	14.9%
2021	114.8	2020-2021	-5.8%
2022	111.1	2021-2022	-3.2%
2023	107.9	2022-2023	-2.9%
2024	103.5	2023-2024	-4.1%
2029	89.4	CAGR 2024-2029	-13.6%

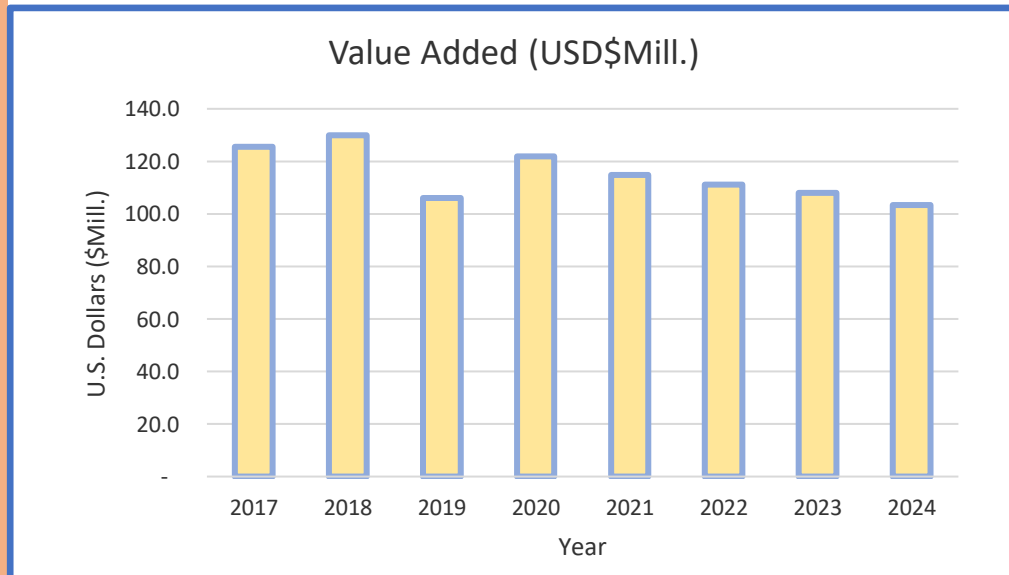
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Japan

The Hardboard Products Industry

value added will be \$280.1 million dollars in 2023 and to change by -2.9 percent from 2022 to 2023 in Japan.

The value added will be \$268.5 million dollars in 2024 and is forecast to change by -4.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

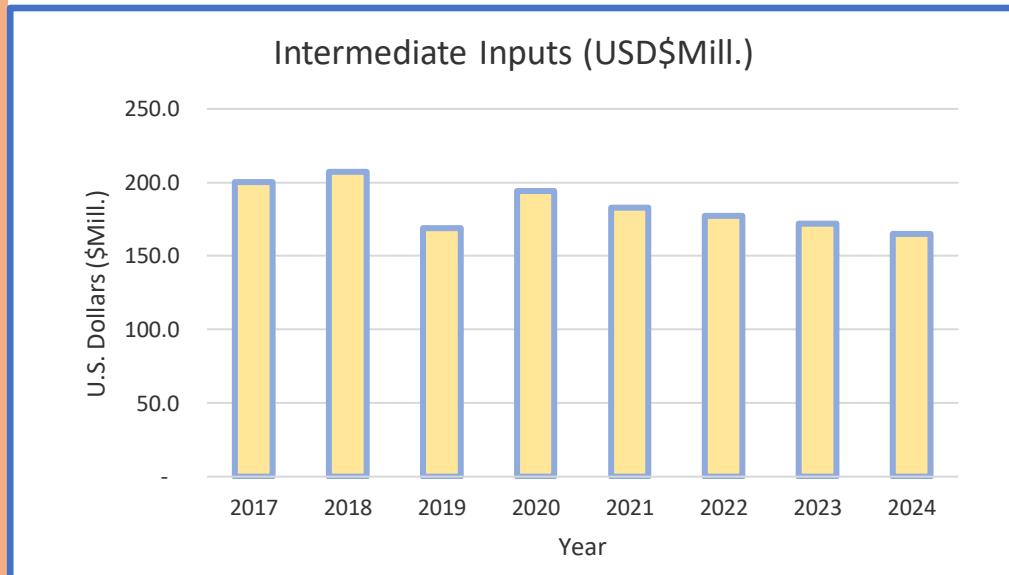
## INTERMEDIATE INPUTS

Intermediate Inputs (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	200.1		
2018	207.4	2017-2018	3.7%
2019	169.1	2018-2019	-18.5%
2020	194.3	2018-2020	14.9%
2021	183.0	2020-2021	-5.8%
2022	177.3	2021-2022	-3.2%
2023	172.2	2022-2023	-2.9%
2024	165.1	2023-2024	-4.1%
2029	142.6	CAGR 2024-2029	-13.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Japan

The Hardboard Products Industry intermediate inputs will be \$280.1 million dollars in 2023 and to change by -2.9 percent from 2022 to 2023 in Japan. The intermediate inputs will be \$268.5 million dollars in 2024 and is forecast to change by -4.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

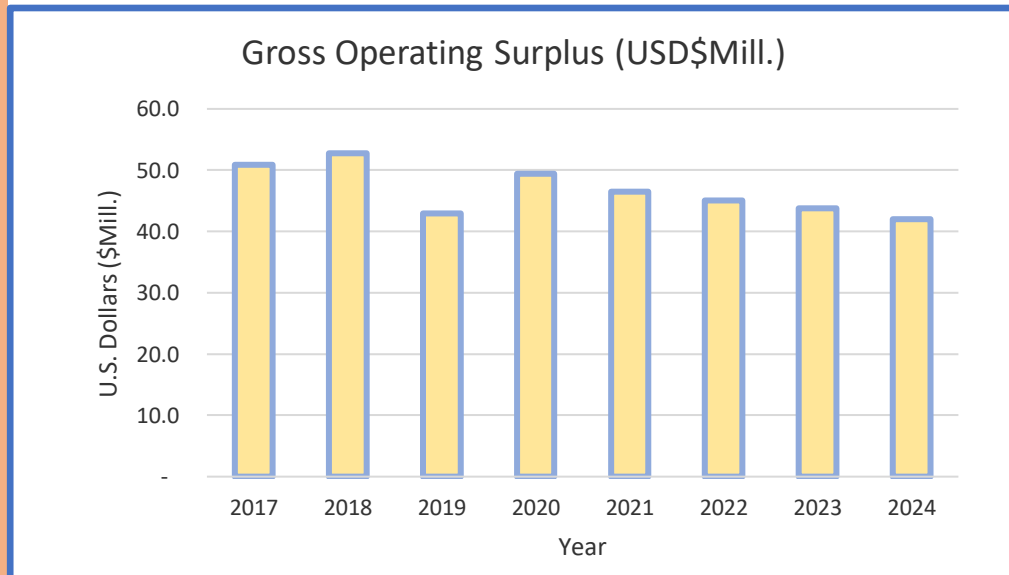
Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	50.8		
2018	52.7	2017-2018	3.7%
2019	43.0	2018-2019	-18.5%
2020	49.4	2018-2020	14.9%
2021	46.5	2020-2021	-5.8%
2022	45.1	2021-2022	-3.2%
2023	43.8	2022-2023	-2.9%
2024	42.0	2023-2024	-4.1%
2029	36.2	CAGR 2024-2029	-13.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Japan

The Hardboard Products Industry gross operating surplus will be \$280.1 million dollars in 2023 and to change by -2.9 percent from 2022 to 2023 in Japan.

The gross operating surplus will be \$268.5 million dollars in 2024 and is forecast to change by -4.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

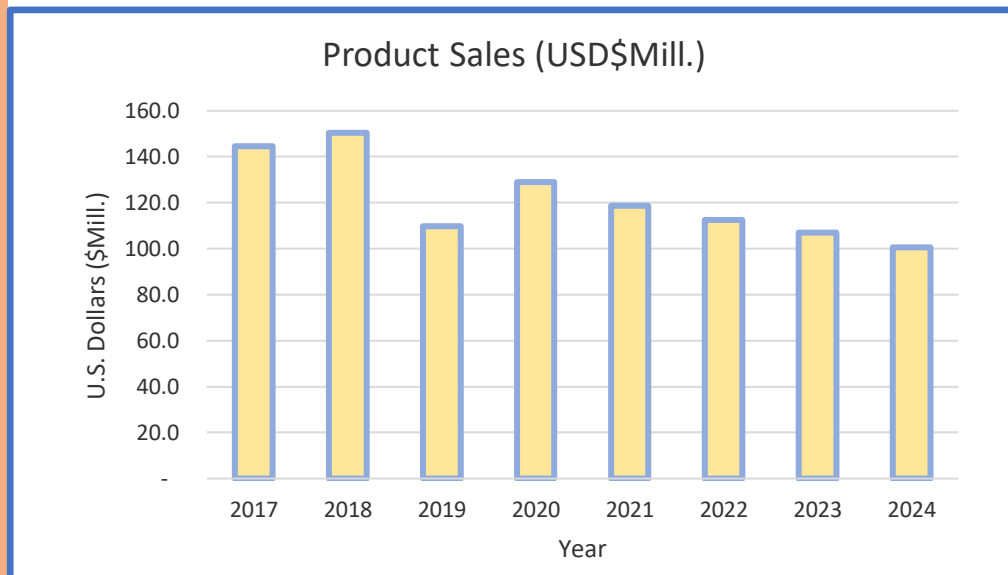
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	144.5		
2018	150.5	2017-2018	4.2%
2019	109.7	2018-2019	-27.1%
2020	129.0	2019-2020	17.6%
2021	118.6	2020-2021	-8.1%
2022	112.5	2021-2022	-5.1%
2023	107.0	2022-2023	-4.9%
2024	100.5	2023-2024	-6.1%
2029	76.5	CAGR 2024-2029	-23.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$107.0 million dollars in 2023 and to change by -4.9 percent from 2022 to 2023 in South Korea. The product markets will be \$100.5 million dollars in 2024 and is forecast to change by -6.1 percent from 2023 to 2024.

South Korea



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

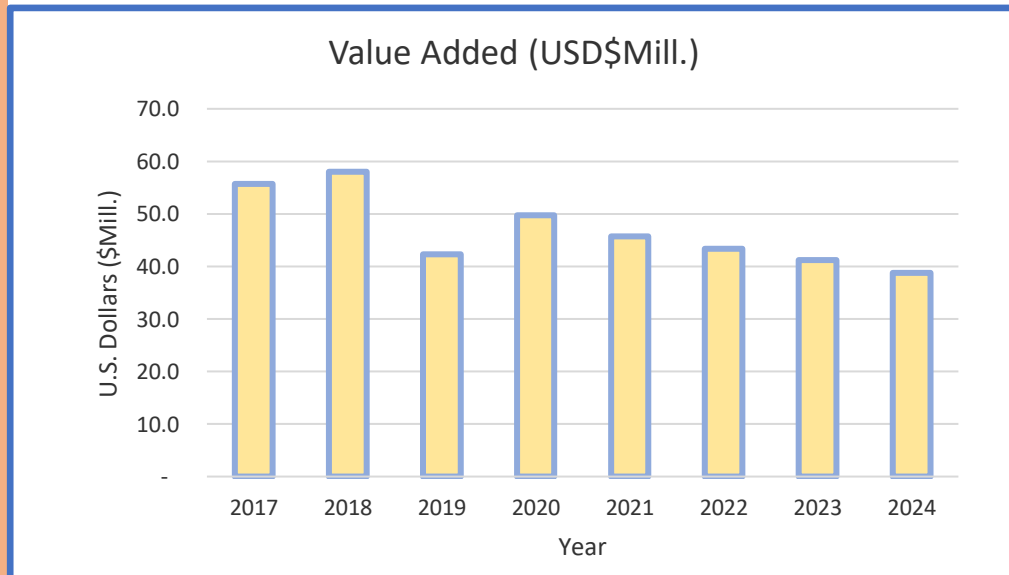
Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	55.7		
2018	58.0	2017-2018	4.2%
2019	42.3	2018-2019	-27.1%
2020	49.7	2019-2020	17.6%
2021	45.7	2020-2021	-8.1%
2022	43.4	2021-2022	-5.1%
2023	41.2	2022-2023	-4.9%
2024	38.7	2023-2024	-6.1%
2029	29.5	CAGR 2024-2029	-23.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

South Korea

The Hardboard Products Industry value added will be \$107.0 million dollars in 2023 and to change by -4.9 percent from 2022 to 2023 in South Korea.

The value added will be \$100.5 million dollars in 2024 and is forecast to change by -6.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

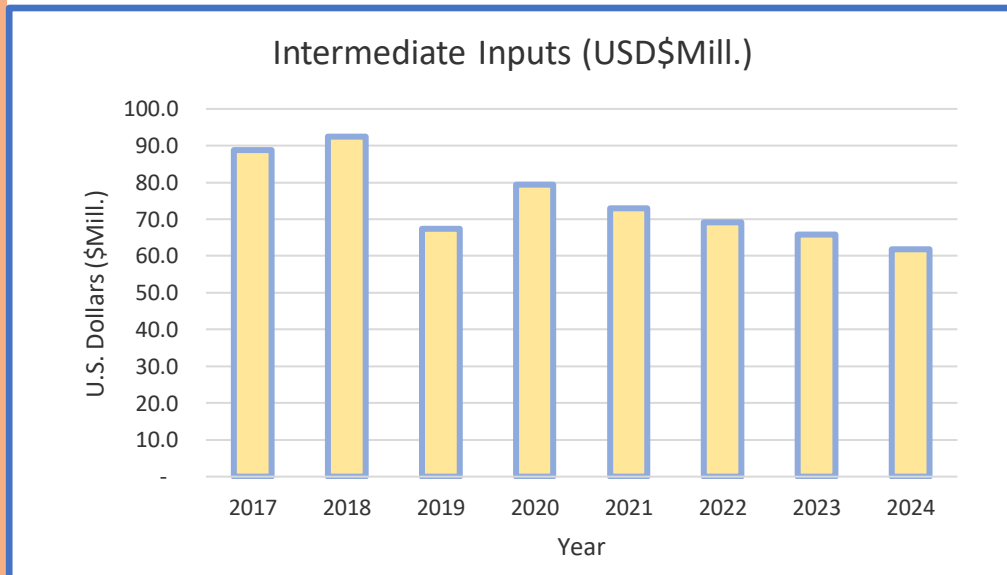
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	88.8		
2018	92.5	2017-2018	4.2%
2019	67.4	2018-2019	-27.1%
2020	79.3	2018-2020	17.6%
2021	72.9	2020-2021	-8.1%
2022	69.2	2021-2022	-5.1%
2023	65.8	2022-2023	-4.9%
2024	61.8	2023-2024	-6.1%
2029	47.0	CAGR 2024-2029	-23.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

South Korea

The Hardboard Products Industry intermediate inputs will be \$107.0 million dollars in 2023 and to change by -4.9 percent from 2022 to 2023 in South Korea. The intermediate inputs will be \$100.5 million dollars in 2024 and is forecast to change by -6.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

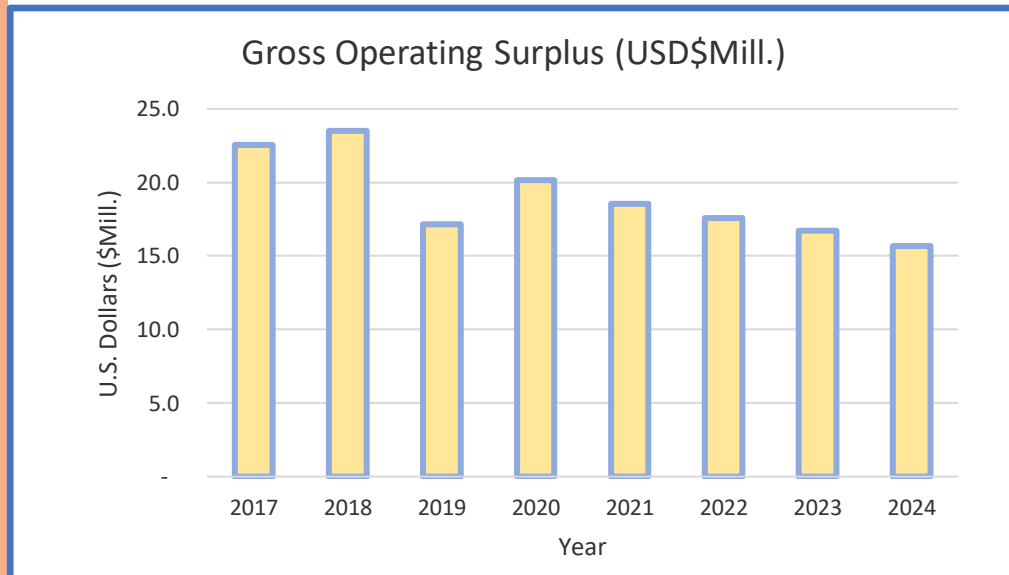
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	22.6		
2018	23.5	2017-2018	4.2%
2019	17.1	2018-2019	-27.1%
2020	20.2	2018-2020	17.6%
2021	18.5	2020-2021	-8.1%
2022	17.6	2021-2022	-5.1%
2023	16.7	2022-2023	-4.9%
2024	15.7	2023-2024	-6.1%
2029	12.0	CAGR 2024-2029	-23.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

South Korea

The Hardboard Products Industry gross operating surplus will be \$107.0 million dollars in 2023 and to change by -4.9 percent from 2022 to 2023 in South Korea. The gross operating surplus will be \$100.5 million dollars in 2024 and is forecast to change by -6.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

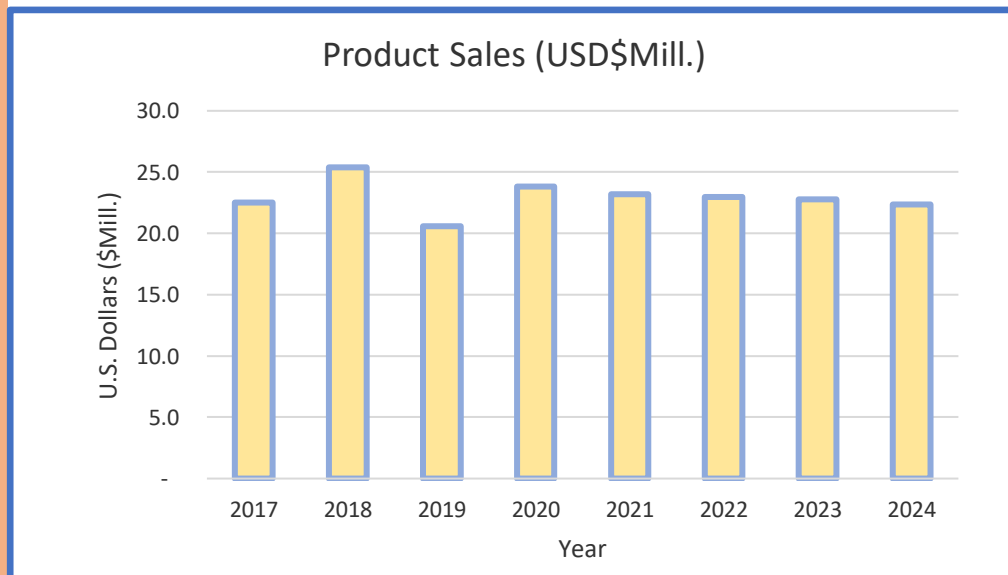
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	22.5		
2018	25.4	2017-2018	12.8%
2019	20.6	2018-2019	-18.9%
2020	23.8	2019-2020	15.9%
2021	23.2	2020-2021	-2.7%
2022	23.0	2021-2022	-0.9%
2023	22.8	2022-2023	-0.8%
2024	22.4	2023-2024	-1.9%
2029	21.3	CAGR 2024-2029	-4.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Malaysia

The Hardboard Products Industry is forecast to be \$22.8 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Malaysia. The product markets will be \$22.4 million dollars in 2024 and is forecast to change by -1.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

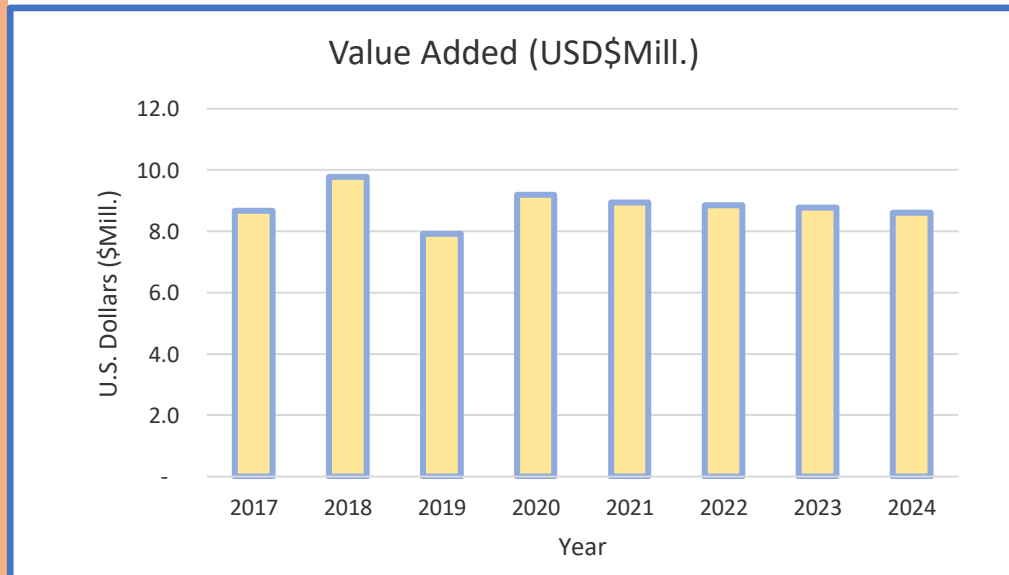
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.7		
2018	9.8	2017-2018	12.8%
2019	7.9	2018-2019	-18.9%
2020	9.2	2019-2020	15.9%
2021	8.9	2020-2021	-2.7%
2022	8.9	2021-2022	-0.9%
2023	8.8	2022-2023	-0.8%
2024	8.6	2023-2024	-1.9%
2029	8.2	CAGR 2024-2029	-4.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Malaysia

The Hardboard Products Industry value added will be \$22.8 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Malaysia. The value added will be \$22.4 million dollars in 2024 and is forecast to change by -1.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

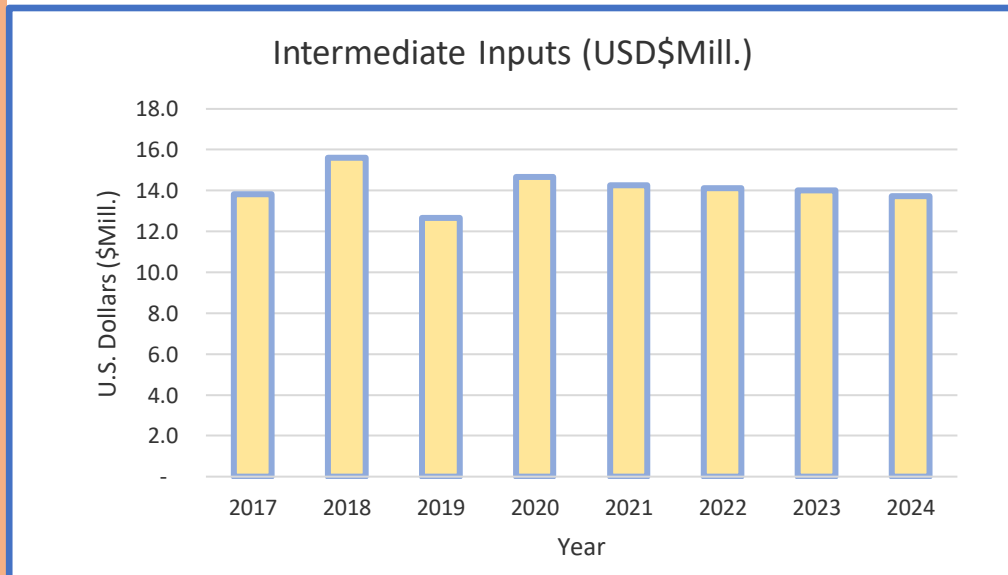
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.8		
2018	15.6	2017-2018	12.8%
2019	12.6	2018-2019	-18.9%
2020	14.7	2018-2020	15.9%
2021	14.3	2020-2021	-2.7%
2022	14.1	2021-2022	-0.9%
2023	14.0	2022-2023	-0.8%
2024	13.7	2023-2024	-1.9%
2029	13.1	CAGR 2024-2029	-4.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Malaysia

The Hardboard Products Industry intermediate inputs will be \$22.8 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Malaysia. The intermediate inputs will be \$22.4 million dollars in 2024 and is forecast to change by -1.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

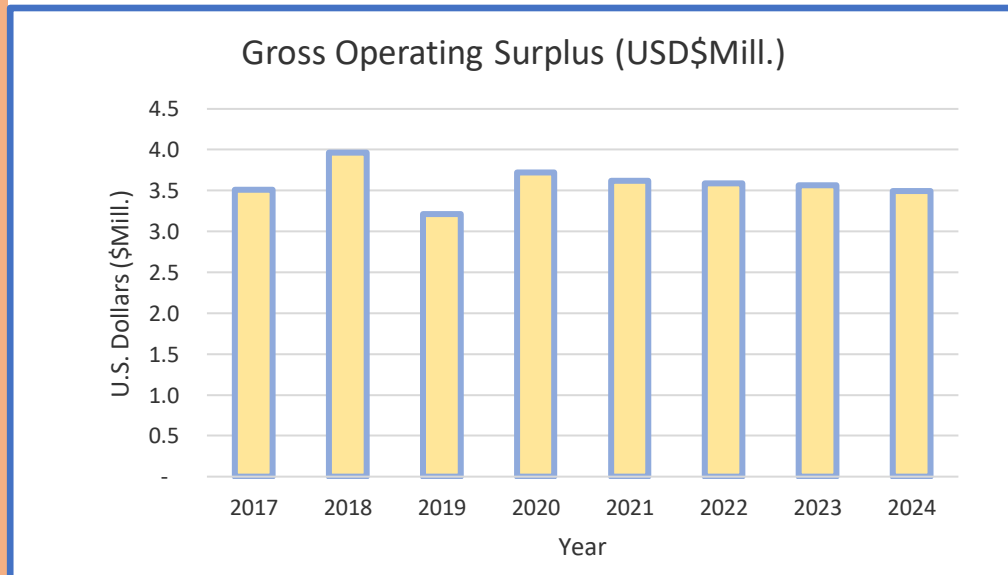
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.5		
2018	4.0	2017-2018	12.8%
2019	3.2	2018-2019	-18.9%
2020	3.7	2018-2020	15.9%
2021	3.6	2020-2021	-2.7%
2022	3.6	2021-2022	-0.9%
2023	3.6	2022-2023	-0.8%
2024	3.5	2023-2024	-1.9%
2029	3.3	CAGR 2024-2029	-4.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Malaysia

The Hardboard Products Industry gross operating surplus will be \$22.8 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in Malaysia. The gross operating surplus will be \$22.4 million dollars in 2024 and is forecast to change by -1.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

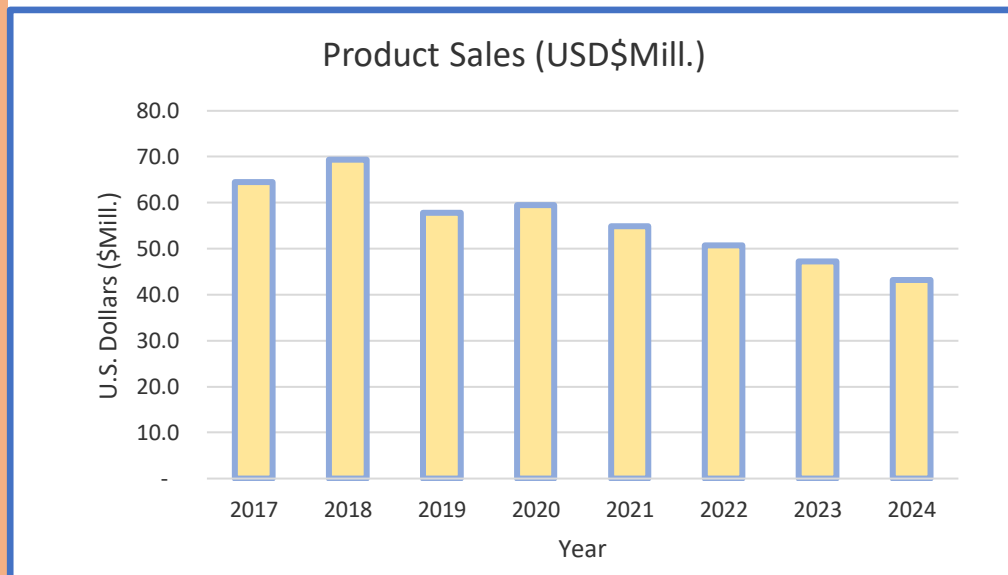
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	64.5		
2018	69.4	2017-2018	7.7%
2019	57.9	2018-2019	-16.6%
2020	59.5	2019-2020	2.9%
2021	54.9	2020-2021	-7.8%
2022	50.7	2021-2022	-7.6%
2023	47.2	2022-2023	-6.9%
2024	43.2	2023-2024	-8.5%
2029	31.5	CAGR 2024-2029	-27.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Mexico

The Hardboard Products Industry is forecast to be \$47.2 million dollars in 2023 and to change by -6.9 percent from 2022 to 2023 in Mexico. The product markets will be \$43.2 million dollars in 2024 and is forecast to change by -8.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	24.8		
2018	26.7	2017-2018	7.7%
2019	22.3	2018-2019	-16.6%
2020	22.9	2019-2020	2.9%
2021	21.2	2020-2021	-7.8%
2022	19.5	2021-2022	-7.6%
2023	18.2	2022-2023	-6.9%
2024	16.6	2023-2024	-8.5%
2029	12.1	CAGR 2024-2029	-27.1%

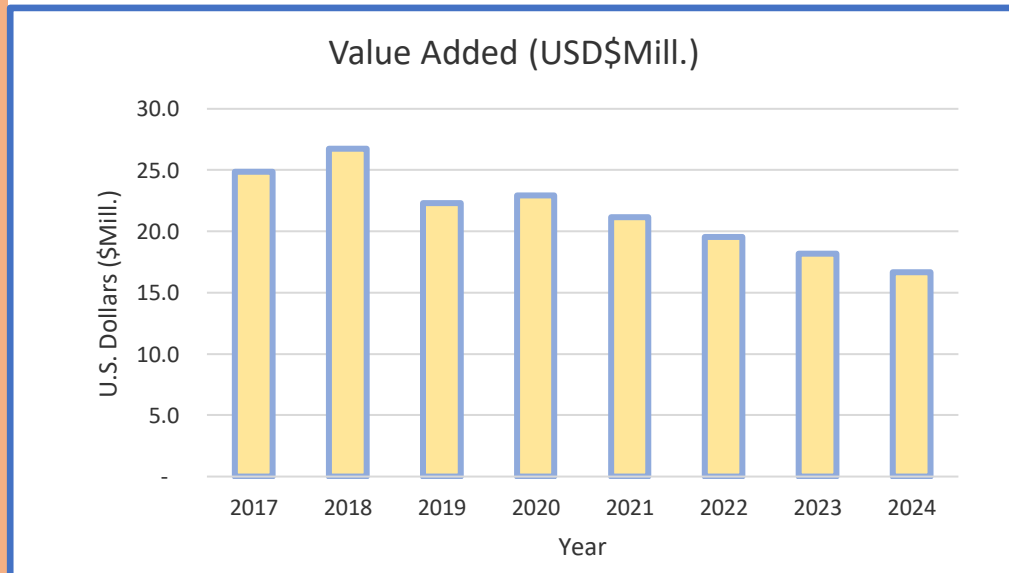
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Mexico

The Hardboard Products Industry

value added will be \$47.2 million dollars in 2023 and to change by -6.9 percent from 2022 to 2023 in Mexico.

The value added will be \$43.2 million dollars in 2024 and is forecast to change by -8.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

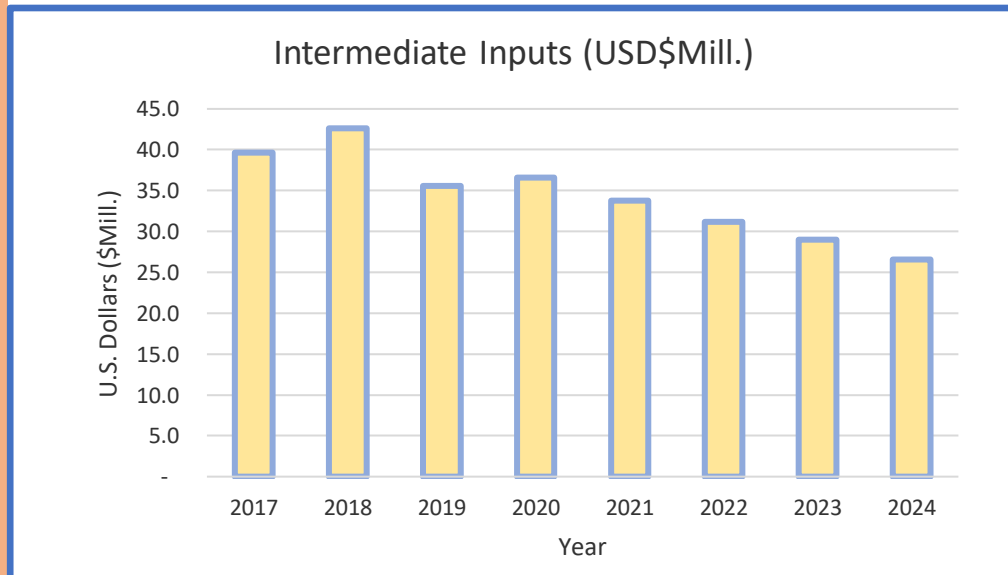
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	39.6		
2018	42.7	2017-2018	7.7%
2019	35.6	2018-2019	-16.6%
2020	36.6	2018-2020	2.9%
2021	33.7	2020-2021	-7.8%
2022	31.2	2021-2022	-7.6%
2023	29.0	2022-2023	-6.9%
2024	26.6	2023-2024	-8.5%
2029	19.4	CAGR 2024-2029	-27.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Mexico

The Hardboard Products Industry intermediate inputs will be \$47.2 million dollars in 2023 and to change by -6.9 percent from 2022 to 2023 in Mexico. The intermediate inputs will be \$43.2 million dollars in 2024 and is forecast to change by -8.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

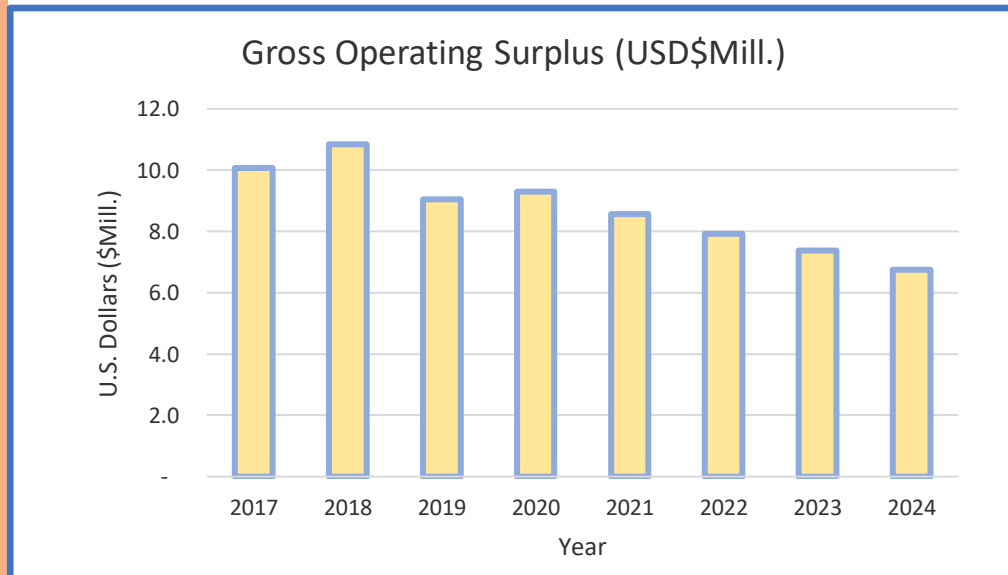
Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	10.1		
2018	10.8	2017-2018	7.7%
2019	9.0	2018-2019	-16.6%
2020	9.3	2018-2020	2.9%
2021	8.6	2020-2021	-7.8%
2022	7.9	2021-2022	-7.6%
2023	7.4	2022-2023	-6.9%
2024	6.7	2023-2024	-8.5%
2029	4.9	CAGR 2024-2029	-27.1%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Mexico

The Hardboard Products Industry gross operating surplus will be \$47.2 million dollars in 2023 and to change by -6.9 percent from 2022 to 2023 in Mexico.

The gross operating surplus will be \$43.2 million dollars in 2024 and is forecast to change by -8.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

## Hardboard Products Industry

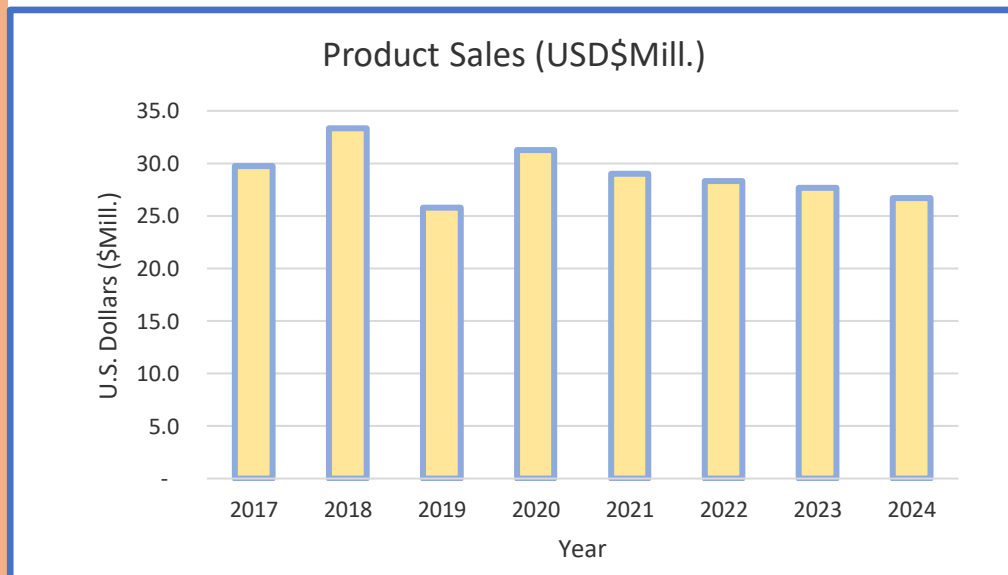
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	29.7		
2018	33.3	2017-2018	12.1%
2019	25.8	2018-2019	-22.6%
2020	31.2	2019-2020	21.1%
2021	29.0	2020-2021	-7.1%
2022	28.3	2021-2022	-2.4%
2023	27.7	2022-2023	-2.3%
2024	26.7	2023-2024	-3.4%
2029	23.1	CAGR 2024-2029	-13.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$27.7 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Netherlands. The product markets will be \$26.7 million dollars in 2024 and is forecast to change by -3.4 percent from 2023 to 2024.

Netherlands



Source: Wharry Sharpe Research

# Hardboard Products Industry

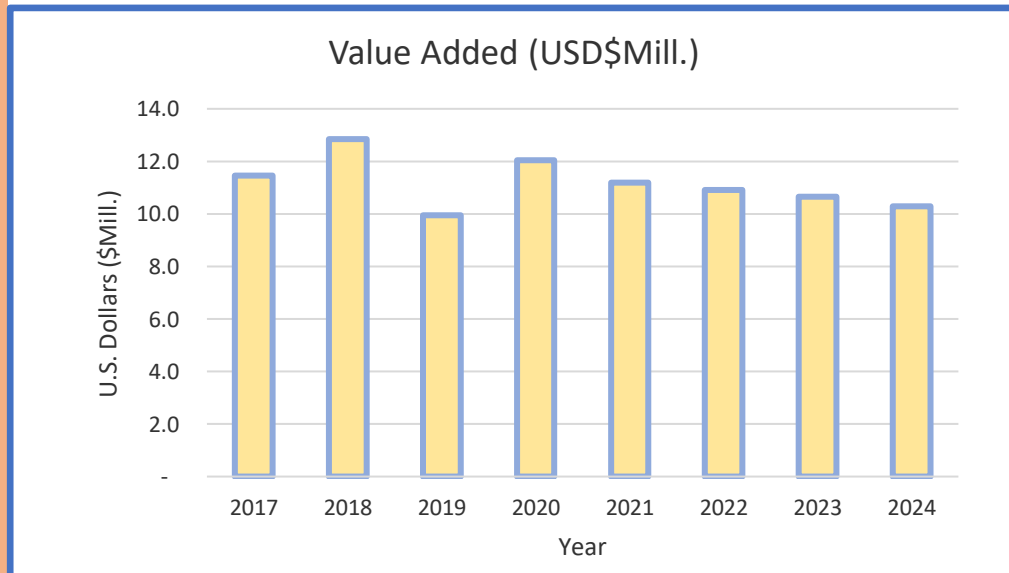
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.5		
2018	12.8	2017-2018	12.1%
2019	9.9	2018-2019	-22.6%
2020	12.0	2019-2020	21.1%
2021	11.2	2020-2021	-7.1%
2022	10.9	2021-2022	-2.4%
2023	10.7	2022-2023	-2.3%
2024	10.3	2023-2024	-3.4%
2029	8.9	CAGR 2024-2029	-13.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Netherlands

The Hardboard Products Industry value added will be \$27.7 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Netherlands. The value added will be \$26.7 million dollars in 2024 and is forecast to change by -3.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

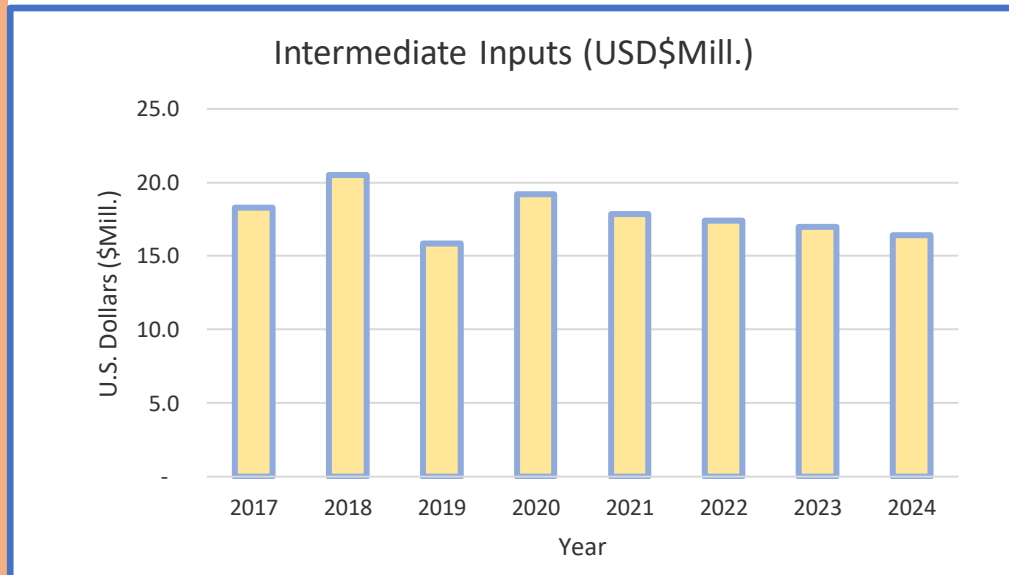
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	18.3		
2018	20.5	2017-2018	12.1%
2019	15.9	2018-2019	-22.6%
2020	19.2	2018-2020	21.1%
2021	17.8	2020-2021	-7.1%
2022	17.4	2021-2022	-2.4%
2023	17.0	2022-2023	-2.3%
2024	16.4	2023-2024	-3.4%
2029	14.2	CAGR 2024-2029	-13.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Netherlands

The Hardboard Products Industry intermediate inputs will be \$27.7 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Netherlands. The intermediate inputs will be \$26.7 million dollars in 2024 and is forecast to change by -3.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

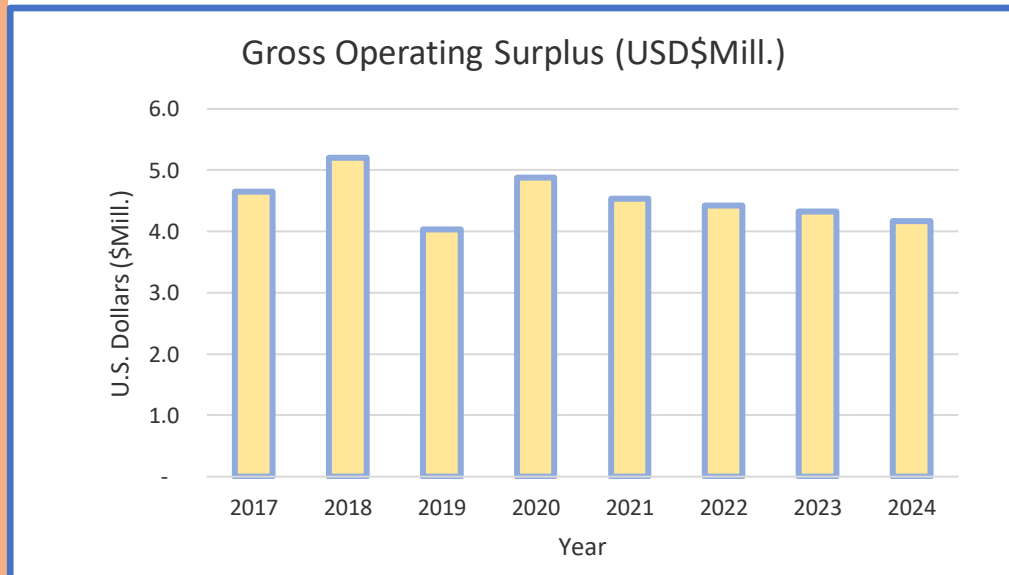
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.6		
2018	5.2	2017-2018	12.1%
2019	4.0	2018-2019	-22.6%
2020	4.9	2018-2020	21.1%
2021	4.5	2020-2021	-7.1%
2022	4.4	2021-2022	-2.4%
2023	4.3	2022-2023	-2.3%
2024	4.2	2023-2024	-3.4%
2029	3.6	CAGR 2024-2029	-13.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Netherlands

The Hardboard Products Industry gross operating surplus will be \$27.7 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Netherlands. The gross operating surplus will be \$26.7 million dollars in 2024 and is forecast to change by -3.4 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

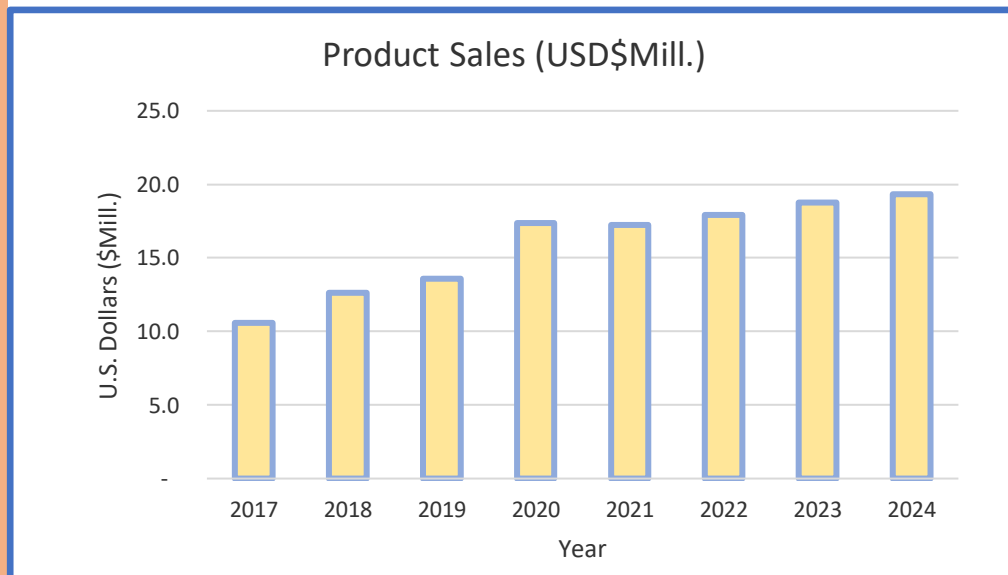
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	10.6		
2018	12.6	2017-2018	19.0%
2019	13.6	2018-2019	7.8%
2020	17.4	2019-2020	28.0%
2021	17.2	2020-2021	-0.8%
2022	17.9	2021-2022	3.9%
2023	18.8	2022-2023	4.7%
2024	19.3	2023-2024	2.9%
2029	25.6	CAGR 2024-2029	32.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Nigeria

The Hardboard Products Industry is forecast to be \$18.8 million dollars in 2023 and to change by 4.7 percent from 2022 to 2023 in Nigeria. The product markets will be \$19.3 million dollars in 2024 and is forecast to change by 2.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.1		
2018	4.9	2017-2018	19.0%
2019	5.2	2018-2019	7.8%
2020	6.7	2019-2020	28.0%
2021	6.6	2020-2021	-0.8%
2022	6.9	2021-2022	3.9%
2023	7.2	2022-2023	4.7%
2024	7.4	2023-2024	2.9%
2029	9.9	CAGR 2024-2029	32.4%

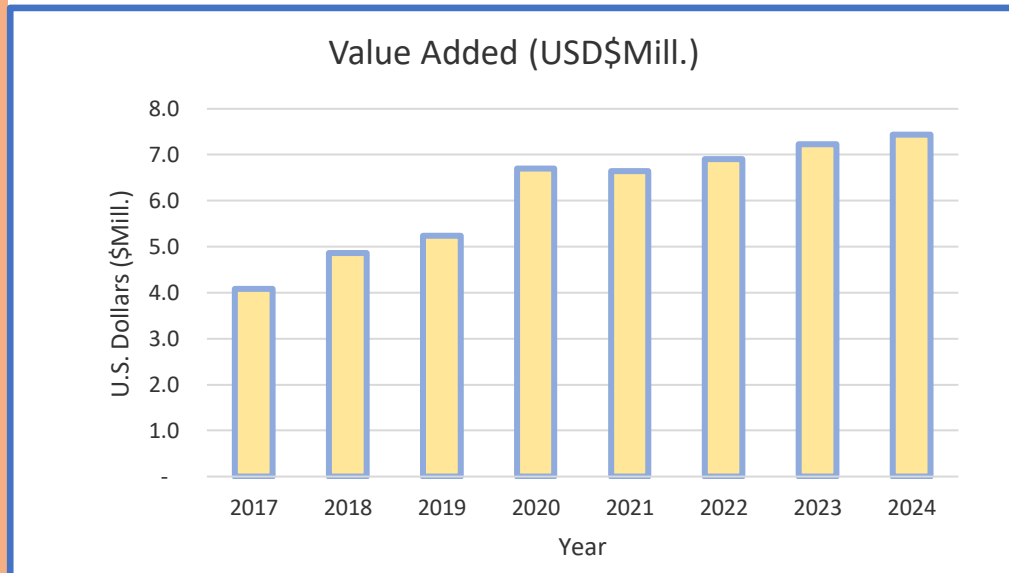
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Nigeria

The Hardboard Products Industry

value added will be \$18.8 million dollars in 2023 and to change by 4.7 percent from 2022 to 2023 in Nigeria.

The value added will be \$19.3 million dollars in 2024 and is forecast to change by 2.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

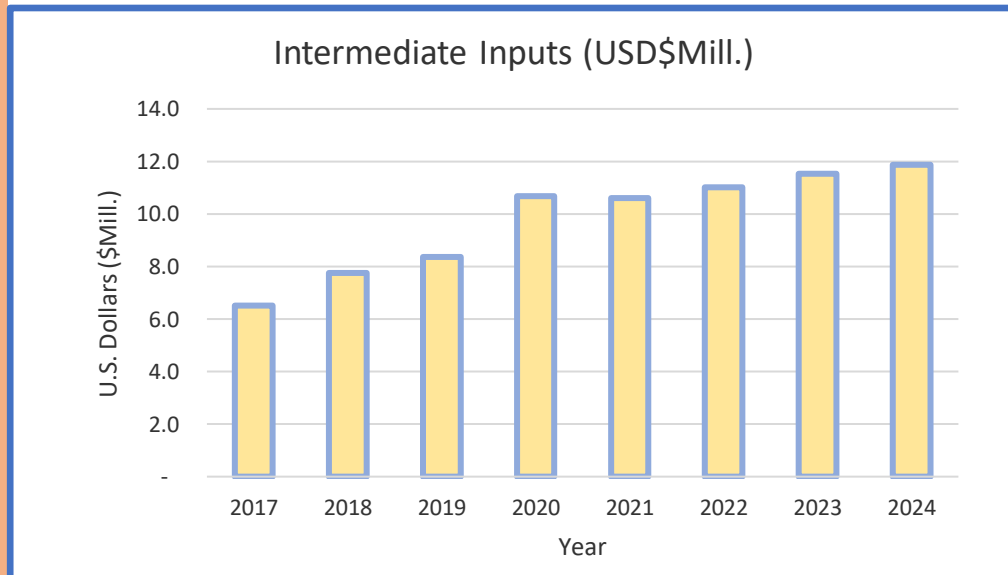
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	6.5		
2018	7.8	2017-2018	19.0%
2019	8.4	2018-2019	7.8%
2020	10.7	2018-2020	28.0%
2021	10.6	2020-2021	-0.8%
2022	11.0	2021-2022	3.9%
2023	11.5	2022-2023	4.7%
2024	11.9	2023-2024	2.9%
2029	15.7	CAGR 2024-2029	32.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Nigeria

The Hardboard Products Industry intermediate inputs will be \$18.8 million dollars in 2023 and to change by 4.7 percent from 2022 to 2023 in Nigeria. The intermediate inputs will be \$19.3 million dollars in 2024 and is forecast to change by 2.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

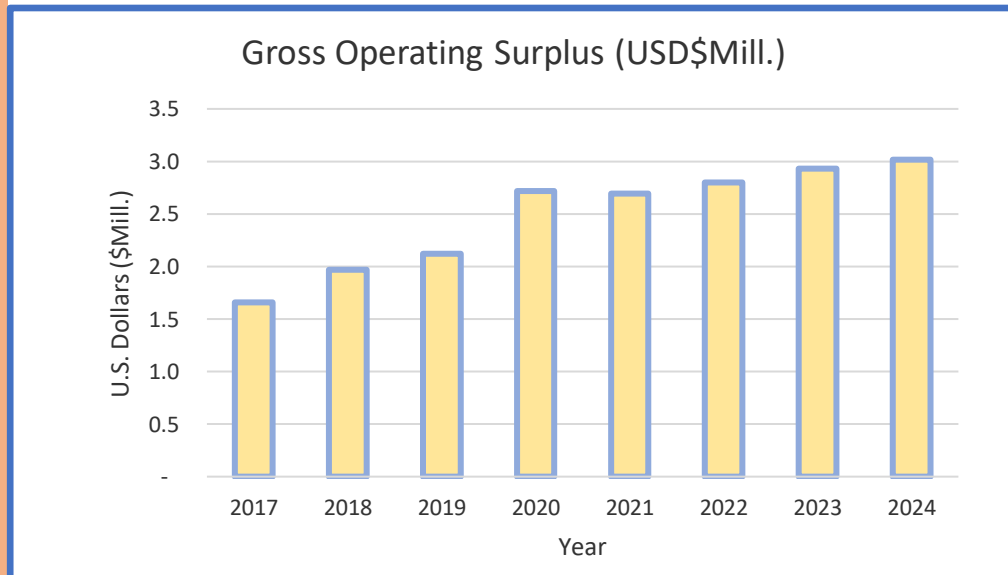
Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.7		
2018	2.0	2017-2018	19.0%
2019	2.1	2018-2019	7.8%
2020	2.7	2018-2020	28.0%
2021	2.7	2020-2021	-0.8%
2022	2.8	2021-2022	3.9%
2023	2.9	2022-2023	4.7%
2024	3.0	2023-2024	2.9%
2029	4.0	CAGR 2024-2029	32.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Nigeria

The Hardboard Products Industry gross operating surplus will be \$18.8 million dollars in 2023 and to change by 4.7 percent from 2022 to 2023 in Nigeria.

The gross operating surplus will be \$19.3 million dollars in 2024 and is forecast to change by 2.9 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

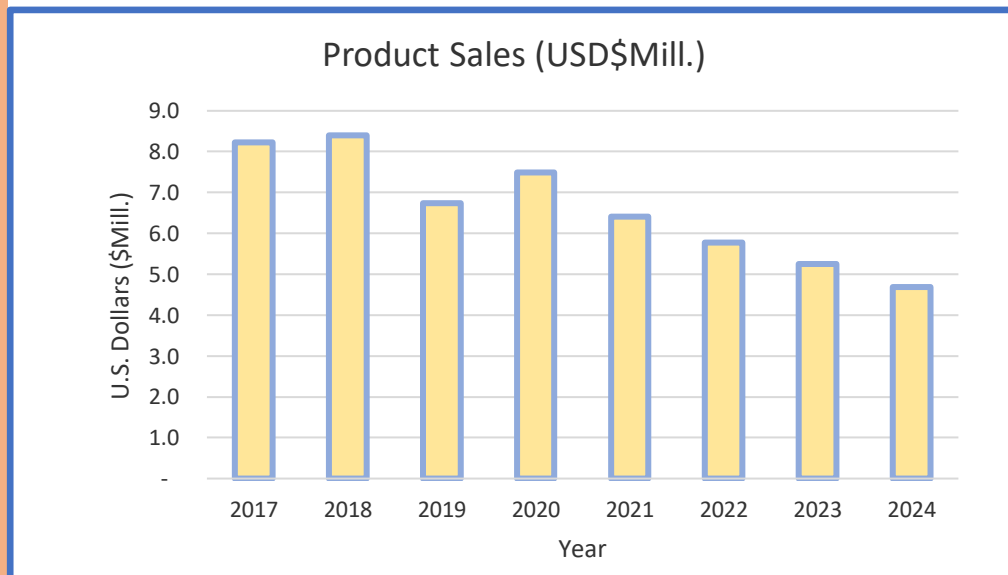
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.2		
2018	8.4	2017-2018	2.2%
2019	6.7	2018-2019	-19.9%
2020	7.5	2019-2020	11.1%
2021	6.4	2020-2021	-14.4%
2022	5.8	2021-2022	-9.9%
2023	5.2	2022-2023	-9.1%
2024	4.7	2023-2024	-10.7%
2029	3.1	CAGR 2024-2029	-33.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Norway

The Hardboard Products Industry is forecast to be \$5.2 million dollars in 2023 and to change by -9.1 percent from 2022 to 2023 in Norway. The product markets will be \$4.7 million dollars in 2024 and is forecast to change by -10.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.2		
2018	3.2	2017-2018	2.2%
2019	2.6	2018-2019	-19.9%
2020	2.9	2019-2020	11.1%
2021	2.5	2020-2021	-14.4%
2022	2.2	2021-2022	-9.9%
2023	2.0	2022-2023	-9.1%
2024	1.8	2023-2024	-10.7%
2029	1.2	CAGR 2024-2029	-33.9%

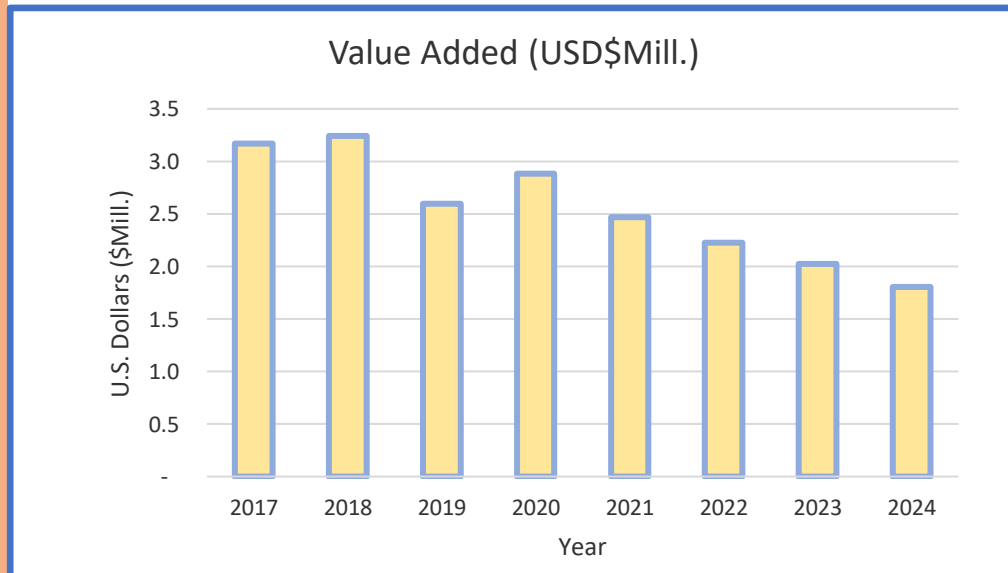
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Norway

The Hardboard Products Industry

value added will be \$5.2 million dollars in 2023 and to change by -9.1 percent from 2022 to 2023 in Norway.

The value added will be \$4.7 million dollars in 2024 and is forecast to change by -10.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

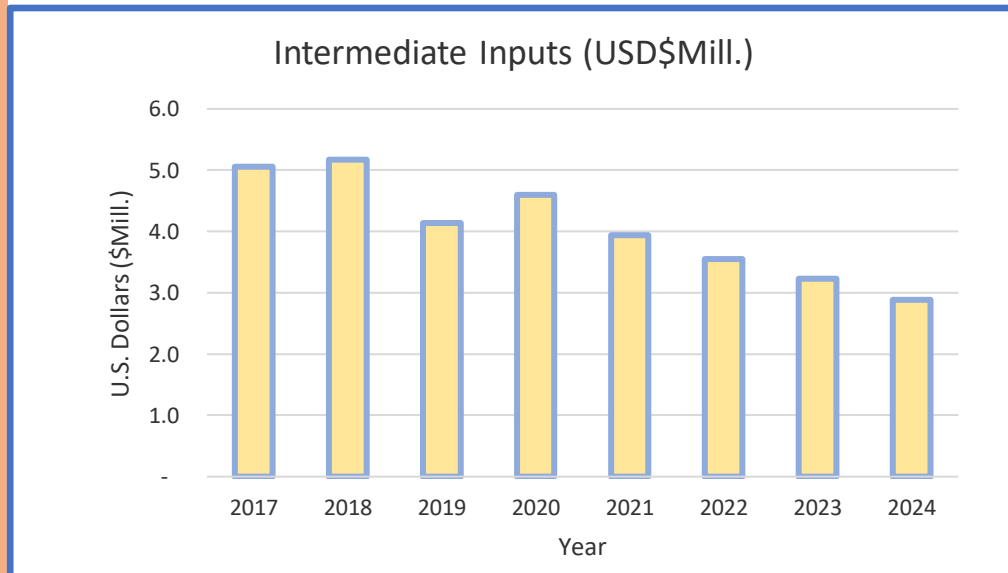
## INTERMEDIATE INPUTS

Intermediate Inputs (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.1		
2018	5.2	2017-2018	2.2%
2019	4.1	2018-2019	-19.9%
2020	4.6	2018-2020	11.1%
2021	3.9	2020-2021	-14.4%
2022	3.5	2021-2022	-9.9%
2023	3.2	2022-2023	-9.1%
2024	2.9	2023-2024	-10.7%
2029	1.9	CAGR 2024-2029	-33.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Norway

The Hardboard Products Industry intermediate inputs will be \$5.2 million dollars in 2023 and to change by -9.1 percent from 2022 to 2023 in Norway. The intermediate inputs will be \$4.7 million dollars in 2024 and is forecast to change by -10.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

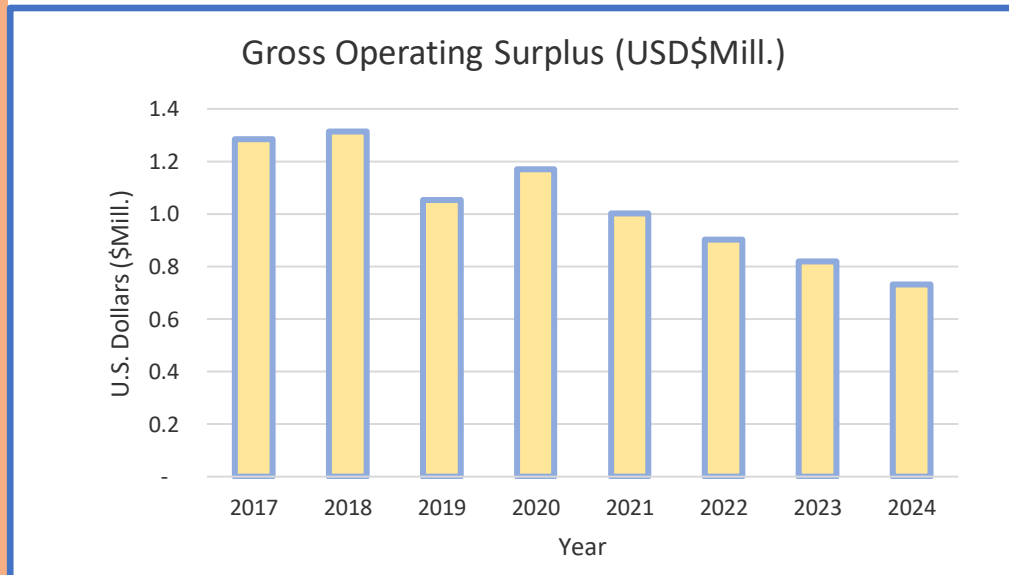
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.3		
2018	1.3	2017-2018	2.2%
2019	1.1	2018-2019	-19.9%
2020	1.2	2018-2020	11.1%
2021	1.0	2020-2021	-14.4%
2022	0.9	2021-2022	-9.9%
2023	0.8	2022-2023	-9.1%
2024	0.7	2023-2024	-10.7%
2029	0.5	CAGR 2024-2029	-33.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Norway

The Hardboard Products Industry gross operating surplus will be \$5.2 million dollars in 2023 and to change by -9.1 percent from 2022 to 2023 in Norway. The gross operating surplus will be \$4.7 million dollars in 2024 and is forecast to change by -10.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

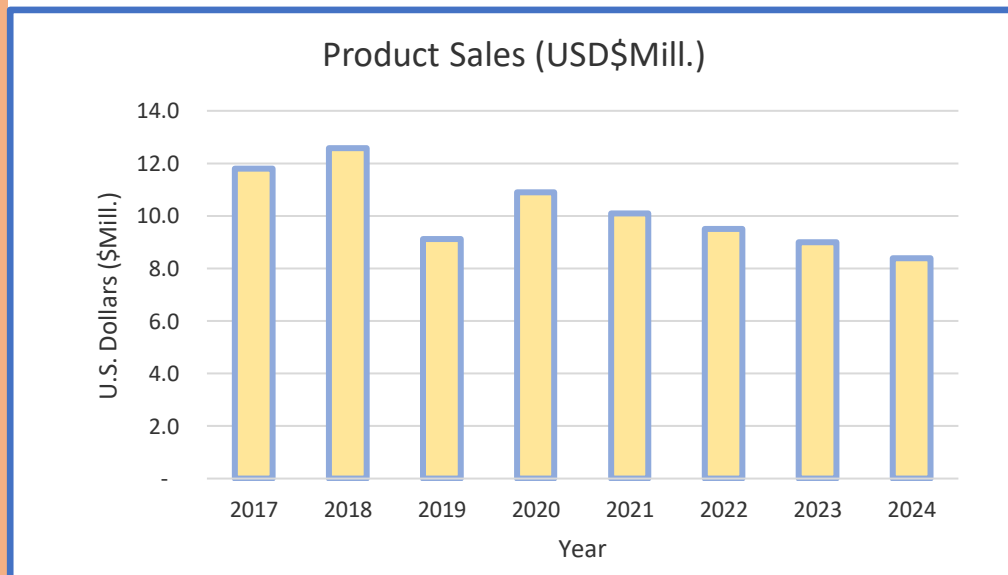
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.8		
2018	12.6	2017-2018	6.7%
2019	9.1	2018-2019	-27.5%
2020	10.9	2019-2020	19.4%
2021	10.1	2020-2021	-7.3%
2022	9.5	2021-2022	-5.9%
2023	9.0	2022-2023	-5.4%
2024	8.4	2023-2024	-6.8%
2029	6.5	CAGR 2024-2029	-22.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Pakistan

The Hardboard Products Industry is forecast to be \$9.0 million dollars in 2023 and to change by -5.4 percent from 2022 to 2023 in Pakistan. The product markets will be \$8.4 million dollars in 2024 and is forecast to change by -6.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.5		
2018	4.8	2017-2018	6.7%
2019	3.5	2018-2019	-27.5%
2020	4.2	2019-2020	19.4%
2021	3.9	2020-2021	-7.3%
2022	3.7	2021-2022	-5.9%
2023	3.5	2022-2023	-5.4%
2024	3.2	2023-2024	-6.8%
2029	2.5	CAGR 2024-2029	-22.6%

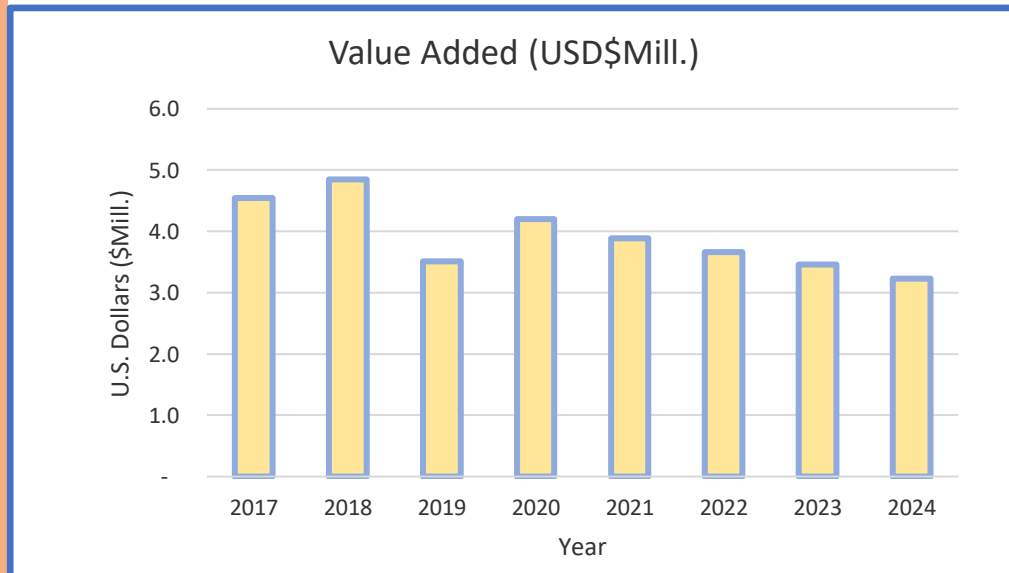
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Pakistan

The Hardboard Products Industry

value added will be \$9.0 million dollars in 2023 and to change by -5.4 percent from 2022 to 2023 in Pakistan.

The value added will be \$8.4 million dollars in 2024 and is forecast to change by -6.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

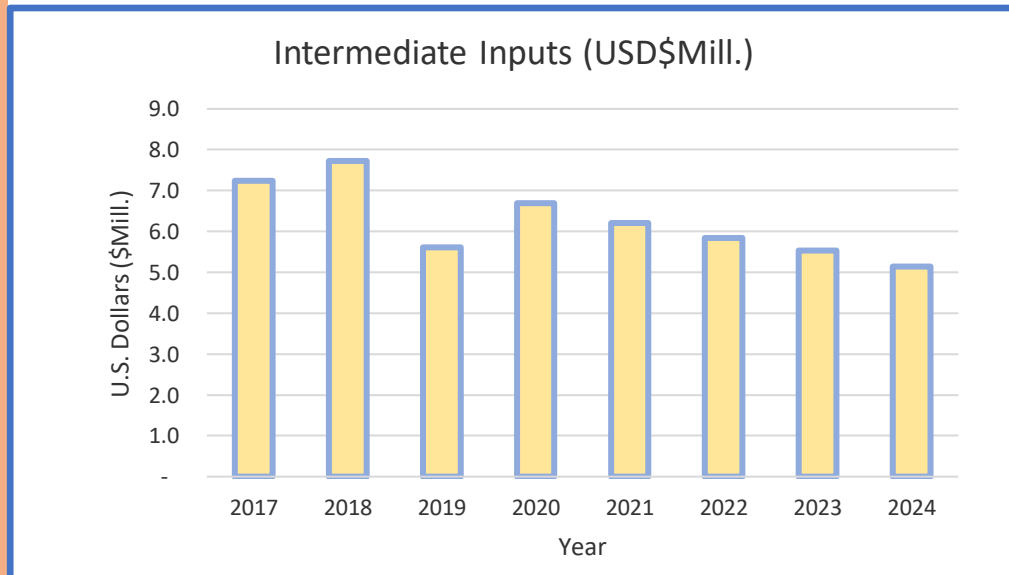
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.2		
2018	7.7	2017-2018	6.7%
2019	5.6	2018-2019	-27.5%
2020	6.7	2018-2020	19.4%
2021	6.2	2020-2021	-7.3%
2022	5.8	2021-2022	-5.9%
2023	5.5	2022-2023	-5.4%
2024	5.1	2023-2024	-6.8%
2029	4.0	CAGR 2024-2029	-22.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Pakistan

The Hardboard Products Industry intermediate inputs will be \$9.0 million dollars in 2023 and to change by -5.4 percent from 2022 to 2023 in Pakistan. The intermediate inputs will be \$8.4 million dollars in 2024 and is forecast to change by -6.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

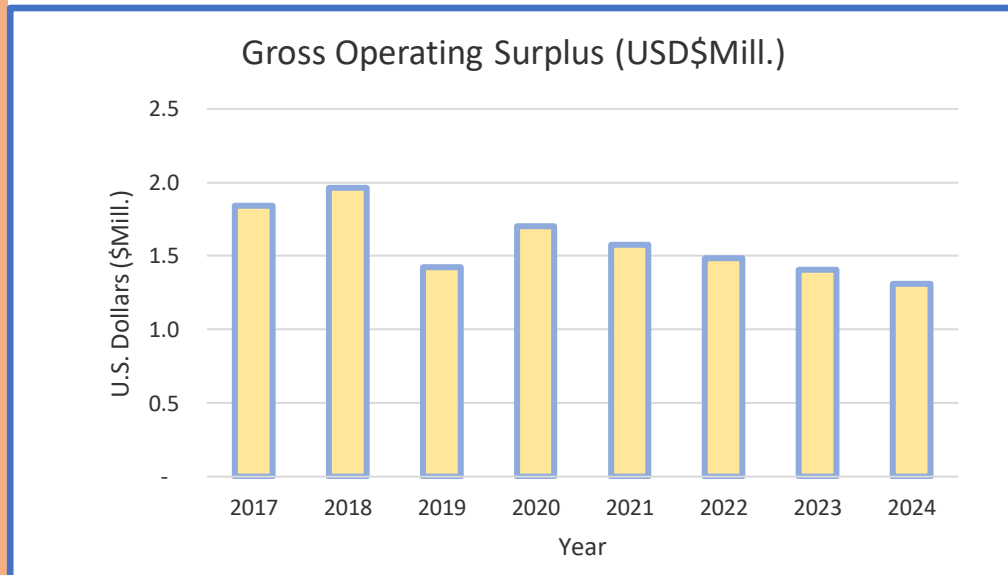
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.8		
2018	2.0	2017-2018	6.7%
2019	1.4	2018-2019	-27.5%
2020	1.7	2018-2020	19.4%
2021	1.6	2020-2021	-7.3%
2022	1.5	2021-2022	-5.9%
2023	1.4	2022-2023	-5.4%
2024	1.3	2023-2024	-6.8%
2029	1.0	CAGR 2024-2029	-22.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Pakistan

The Hardboard Products Industry gross operating surplus will be \$9.0 million dollars in 2023 and to change by -5.4 percent from 2022 to 2023 in Pakistan. The gross operating surplus will be \$8.4 million dollars in 2024 and is forecast to change by -6.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

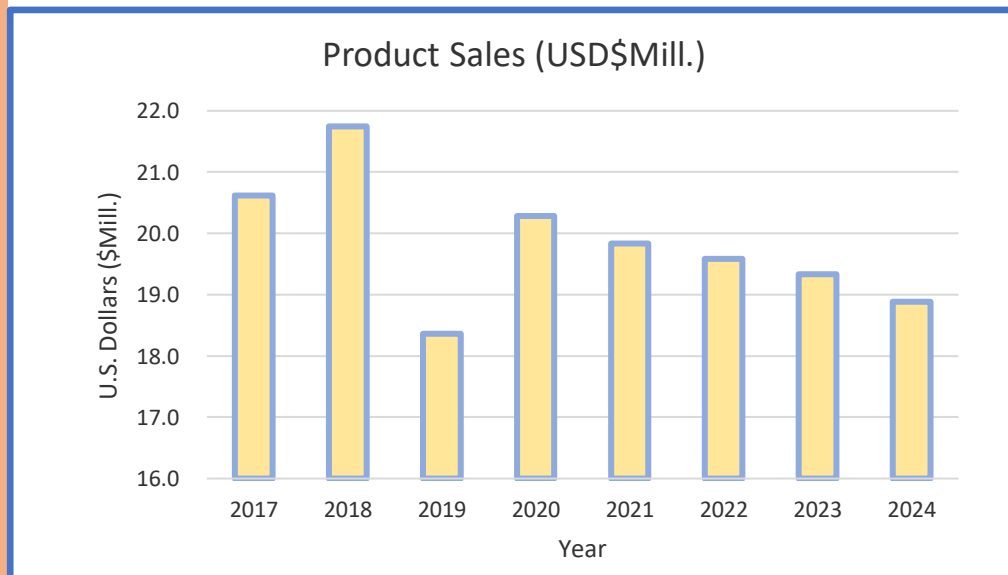
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	20.6		
2018	21.7	2017-2018	5.4%
2019	18.4	2018-2019	-15.5%
2020	20.3	2019-2020	10.5%
2021	19.8	2020-2021	-2.2%
2022	19.6	2021-2022	-1.3%
2023	19.3	2022-2023	-1.3%
2024	18.9	2023-2024	-2.3%
2029	16.9	CAGR 2024-2029	-10.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Philippines

The Hardboard Products Industry is forecast to be \$19.3 million dollars in 2023 and to change by -1.3 percent from 2022 to 2023 in Philippines. The product markets will be \$18.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

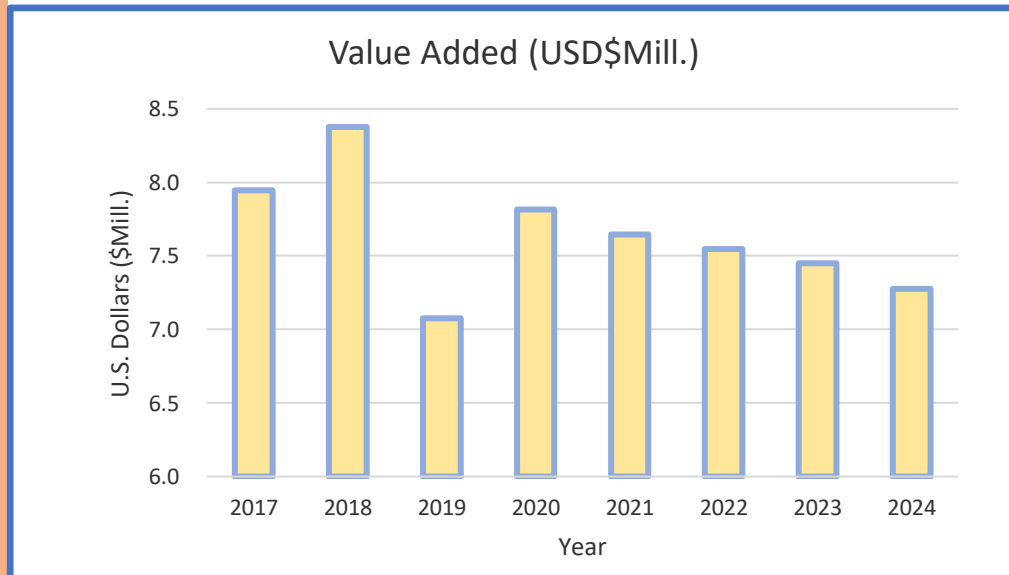
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.9		
2018	8.4	2017-2018	5.4%
2019	7.1	2018-2019	-15.5%
2020	7.8	2019-2020	10.5%
2021	7.6	2020-2021	-2.2%
2022	7.5	2021-2022	-1.3%
2023	7.4	2022-2023	-1.3%
2024	7.3	2023-2024	-2.3%
2029	6.5	CAGR 2024-2029	-10.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Philippines

The Hardboard Products Industry value added will be \$19.3 million dollars in 2023 and to change by -1.3 percent from 2022 to 2023 in Philippines. The value added will be \$18.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

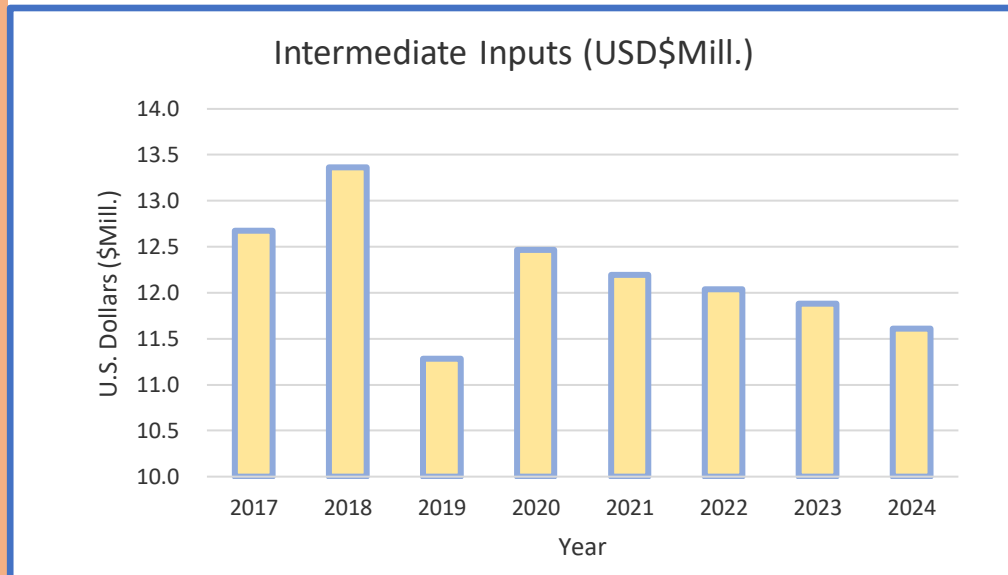
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	12.7		
2018	13.4	2017-2018	5.4%
2019	11.3	2018-2019	-15.5%
2020	12.5	2018-2020	10.5%
2021	12.2	2020-2021	-2.2%
2022	12.0	2021-2022	-1.3%
2023	11.9	2022-2023	-1.3%
2024	11.6	2023-2024	-2.3%
2029	10.4	CAGR 2024-2029	-10.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Philippines

The Hardboard Products Industry intermediate inputs will be \$19.3 million dollars in 2023 and to change by -1.3 percent from 2022 to 2023 in Philippines. The intermediate inputs will be \$18.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

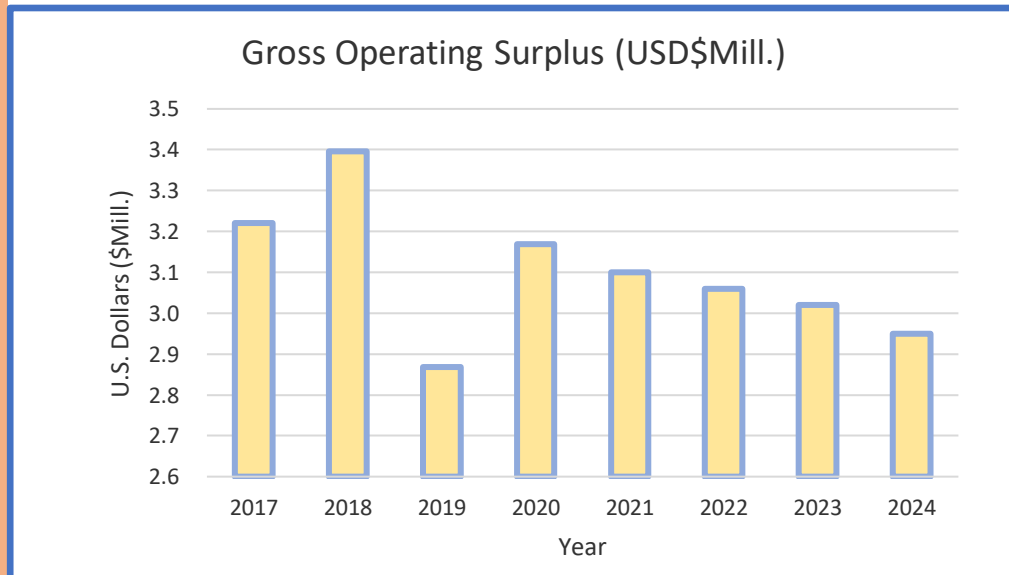
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.2		
2018	3.4	2017-2018	5.4%
2019	2.9	2018-2019	-15.5%
2020	3.2	2018-2020	10.5%
2021	3.1	2020-2021	-2.2%
2022	3.1	2021-2022	-1.3%
2023	3.0	2022-2023	-1.3%
2024	3.0	2023-2024	-2.3%
2029	2.6	CAGR 2024-2029	-10.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Philippines

The Hardboard Products Industry gross operating surplus will be \$19.3 million dollars in 2023 and to change by -1.3 percent from 2022 to 2023 in Philippines. The gross operating surplus will be \$18.9 million dollars in 2024 and is forecast to change by -2.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

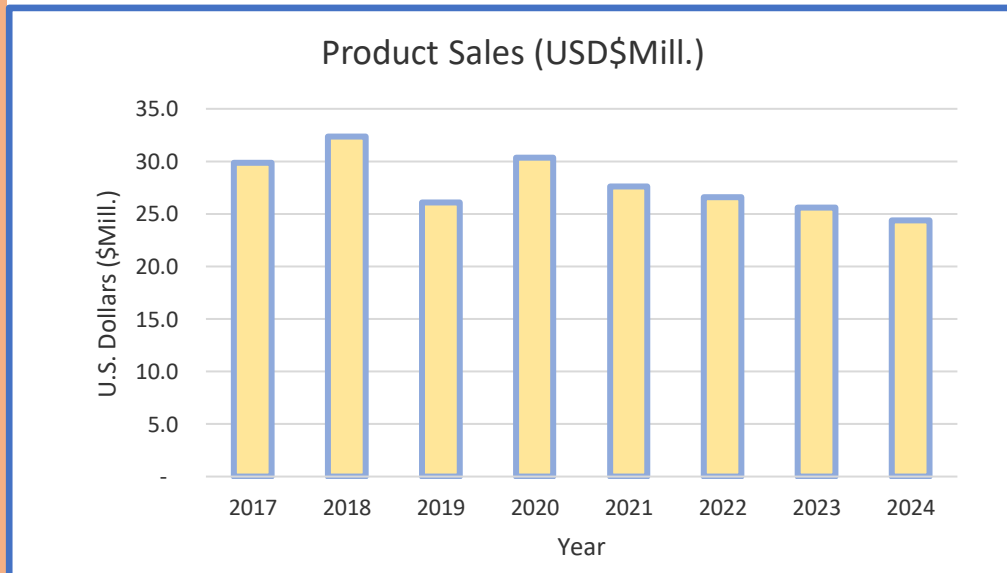
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	29.9		
2018	32.3	2017-2018	8.3%
2019	26.1	2018-2019	-19.3%
2020	30.4	2019-2020	16.4%
2021	27.6	2020-2021	-9.0%
2022	26.6	2021-2022	-3.8%
2023	25.6	2022-2023	-3.8%
2024	24.4	2023-2024	-4.8%
2029	19.2	CAGR 2024-2029	-21.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Poland

The Hardboard Products Industry is forecast to be \$25.6 million dollars in 2023 and to change by -3.8 percent from 2022 to 2023 in Poland. The product markets will be \$24.4 million dollars in 2024 and is forecast to change by -4.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.5		
2018	12.5	2017-2018	8.3%
2019	10.1	2018-2019	-19.3%
2020	11.7	2019-2020	16.4%
2021	10.6	2020-2021	-9.0%
2022	10.2	2021-2022	-3.8%
2023	9.9	2022-2023	-3.8%
2024	9.4	2023-2024	-4.8%
2029	7.4	CAGR 2024-2029	-21.2%

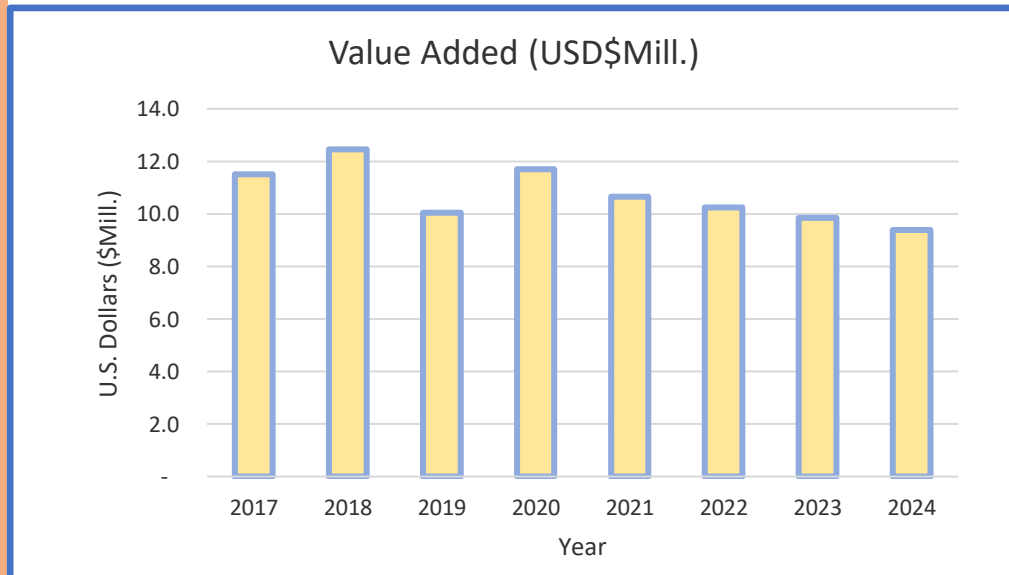
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Poland

The Hardboard Products Industry

value added will be \$25.6 million dollars in 2023 and to change by -3.8 percent from 2022 to 2023 in Poland.

The value added will be \$24.4 million dollars in 2024 and is forecast to change by -4.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

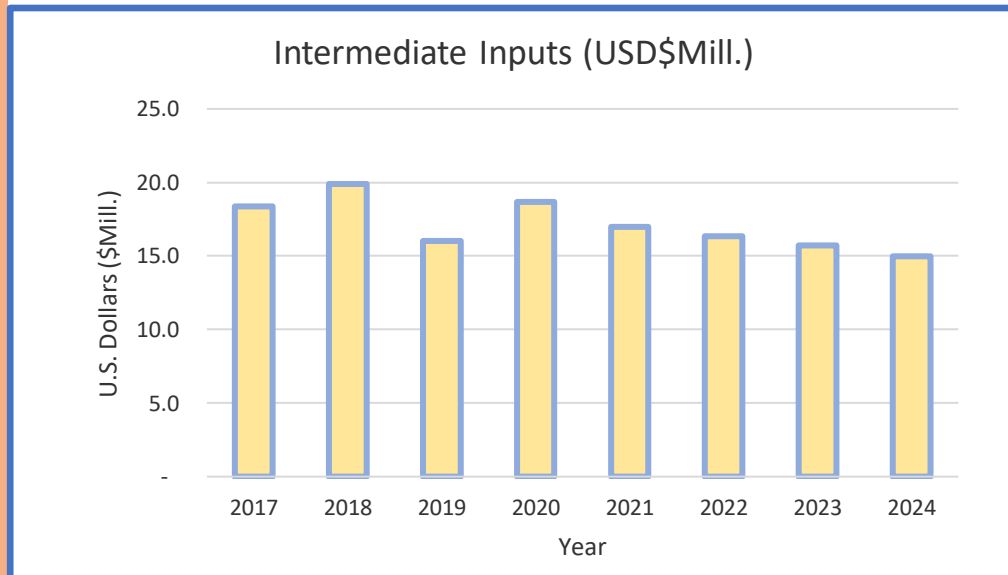
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	18.4		
2018	19.9	2017-2018	8.3%
2019	16.0	2018-2019	-19.3%
2020	18.7	2018-2020	16.4%
2021	17.0	2020-2021	-9.0%
2022	16.3	2021-2022	-3.8%
2023	15.7	2022-2023	-3.8%
2024	15.0	2023-2024	-4.8%
2029	11.8	CAGR 2024-2029	-21.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Poland

The Hardboard Products Industry intermediate inputs will be \$25.6 million dollars in 2023 and to change by -3.8 percent from 2022 to 2023 in Poland. The intermediate inputs will be \$24.4 million dollars in 2024 and is forecast to change by -4.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.7		
2018	5.1	2017-2018	8.3%
2019	4.1	2018-2019	-19.3%
2020	4.7	2018-2020	16.4%
2021	4.3	2020-2021	-9.0%
2022	4.2	2021-2022	-3.8%
2023	4.0	2022-2023	-3.8%
2024	3.8	2023-2024	-4.8%
2029	3.0	CAGR 2024-2029	-21.2%

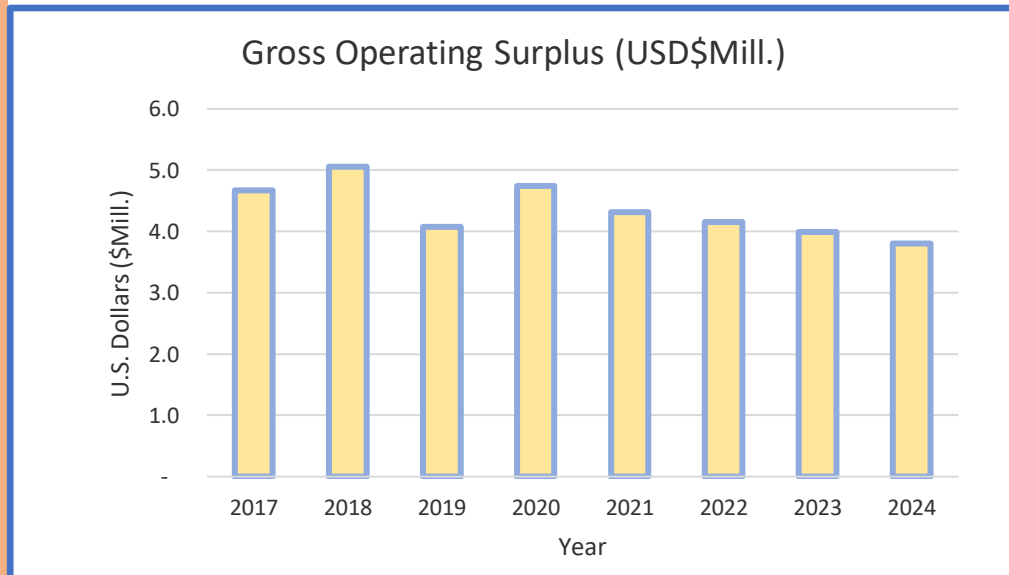
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Poland

The Hardboard Products Industry

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The gross operating surplus will be \$24.4 million dollars in 2024 and is forecast to change by -4.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

## Hardboard Products Industry

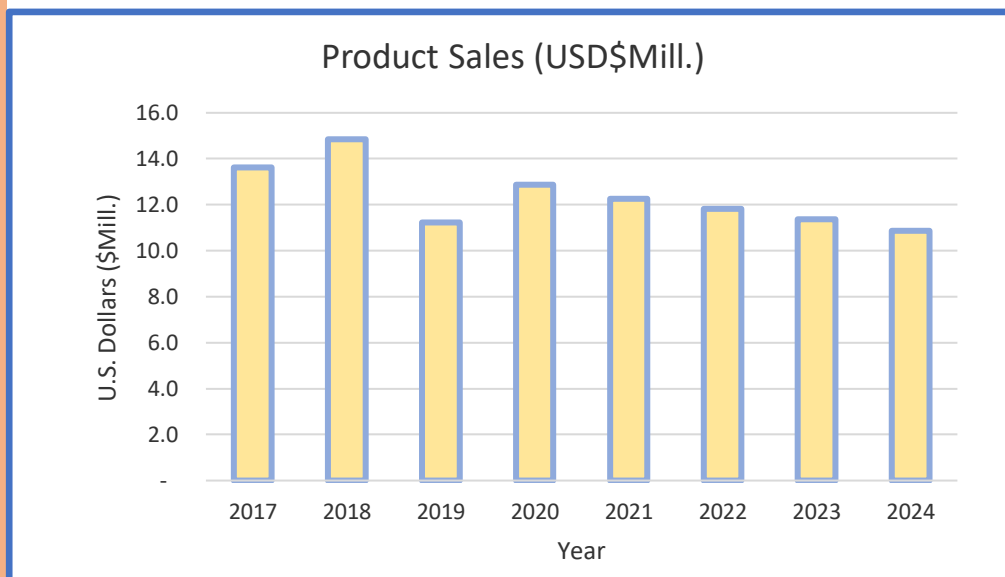
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.6		
2018	14.8	2017-2018	9.0%
2019	11.2	2018-2019	-24.3%
2020	12.9	2019-2020	14.7%
2021	12.3	2020-2021	-4.9%
2022	11.8	2021-2022	-3.5%
2023	11.4	2022-2023	-3.7%
2024	10.9	2023-2024	-4.5%
2029	8.4	CAGR 2024-2029	-22.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Romania

The Hardboard Products Industry is forecast to be \$11.4 million dollars in 2023 and to change by -3.7 percent from 2022 to 2023 in Romania. The product markets will be \$10.9 million dollars in 2024 and is forecast to change by -4.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.2		
2018	5.7	2017-2018	9.0%
2019	4.3	2018-2019	-24.3%
2020	5.0	2019-2020	14.7%
2021	4.7	2020-2021	-4.9%
2022	4.6	2021-2022	-3.5%
2023	4.4	2022-2023	-3.7%
2024	4.2	2023-2024	-4.5%
2029	3.2	CAGR 2024-2029	-22.9%

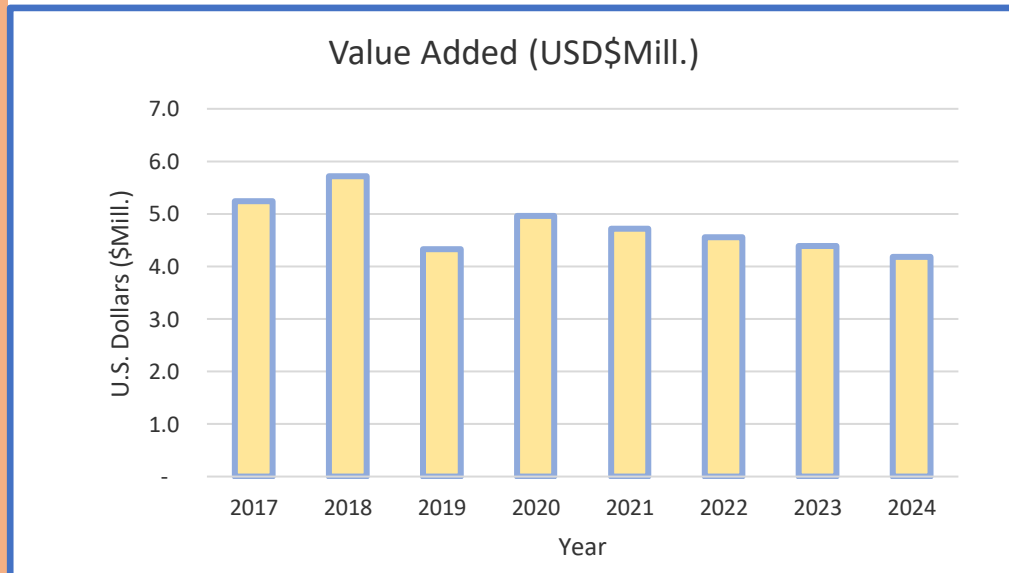
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Romania

The Hardboard Products Industry

value added will be \$11.4 million dollars in 2023 and to change by -3.7 percent from 2022 to 2023 in Romania.

The value added will be \$10.9 million dollars in 2024 and is forecast to change by -4.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## INTERMEDIATE INPUTS

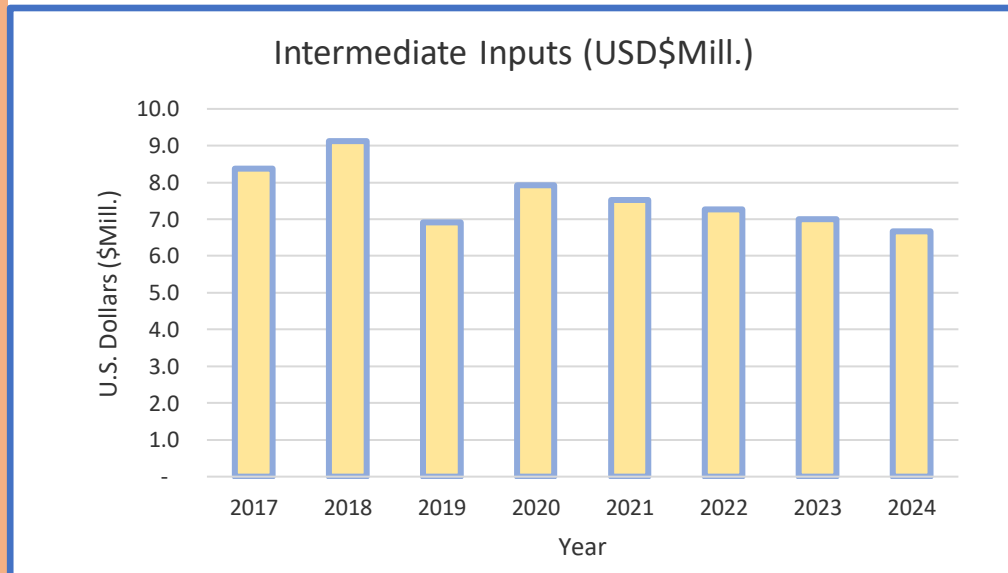
Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.4		
2018	9.1	2017-2018	9.0%
2019	6.9	2018-2019	-24.3%
2020	7.9	2018-2020	14.7%
2021	7.5	2020-2021	-4.9%
2022	7.3	2021-2022	-3.5%
2023	7.0	2022-2023	-3.7%
2024	6.7	2023-2024	-4.5%
2029	5.2	CAGR 2024-2029	-22.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Romania

The Hardboard Products Industry intermediate inputs will be \$11.4 million dollars in 2023 and to change by -3.7 percent from 2022 to 2023 in Romania.

The intermediate inputs will be \$10.9 million dollars in 2024 and is forecast to change by -4.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

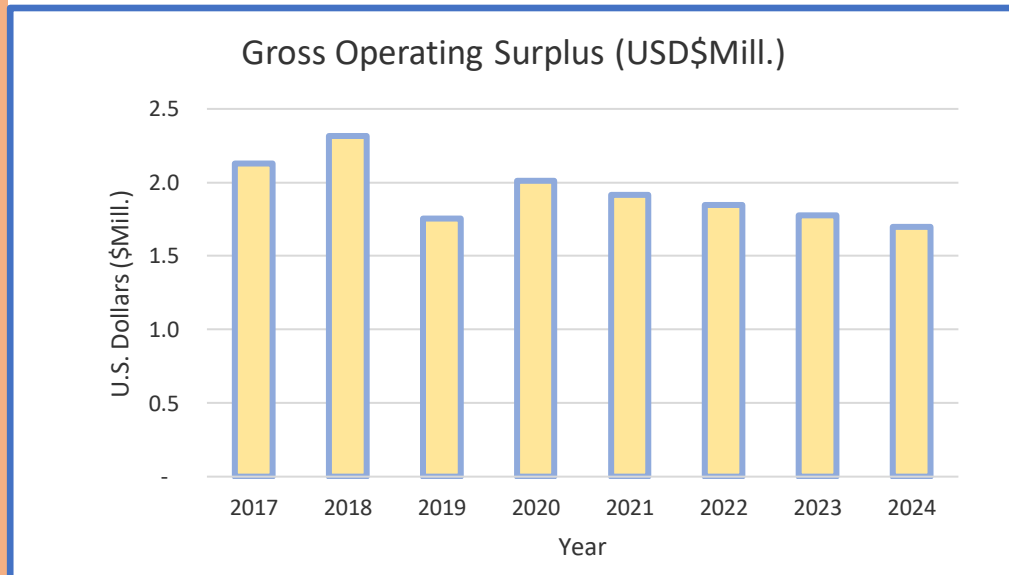
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.1		
2018	2.3	2017-2018	9.0%
2019	1.8	2018-2019	-24.3%
2020	2.0	2018-2020	14.7%
2021	1.9	2020-2021	-4.9%
2022	1.8	2021-2022	-3.5%
2023	1.8	2022-2023	-3.7%
2024	1.7	2023-2024	-4.5%
2029	1.3	CAGR 2024-2029	-22.9%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Romania

The Hardboard Products Industry gross operating surplus will be \$11.4 million dollars in 2023 and to change by -3.7 percent from 2022 to 2023 in Romania. The gross operating surplus will be \$10.9 million dollars in 2024 and is forecast to change by -4.5 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

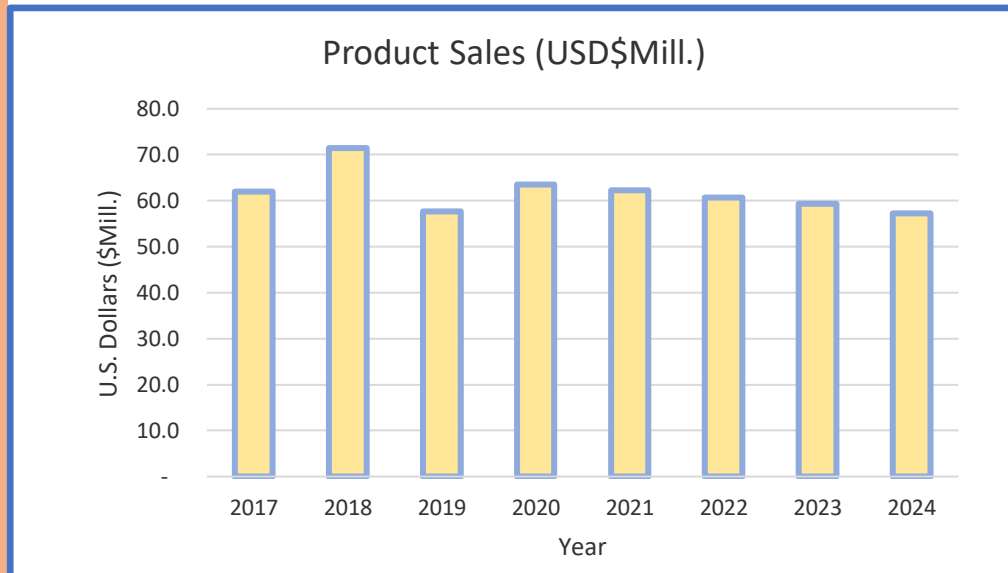
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	62.1		
2018	71.4	2017-2018	15.1%
2019	57.7	2018-2019	-19.2%
2020	63.5	2019-2020	10.0%
2021	62.3	2020-2021	-1.8%
2022	60.7	2021-2022	-2.6%
2023	59.3	2022-2023	-2.3%
2024	57.2	2023-2024	-3.6%
2029	51.2	CAGR 2024-2029	-10.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Russia

The Hardboard Products Industry is forecast to be \$59.3 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Russia. The product markets will be \$57.2 million dollars in 2024 and is forecast to change by -3.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	23.9		
2018	27.5	2017-2018	15.1%
2019	22.2	2018-2019	-19.2%
2020	24.5	2019-2020	10.0%
2021	24.0	2020-2021	-1.8%
2022	23.4	2021-2022	-2.6%
2023	22.9	2022-2023	-2.3%
2024	22.0	2023-2024	-3.6%
2029	19.7	CAGR 2024-2029	-10.4%

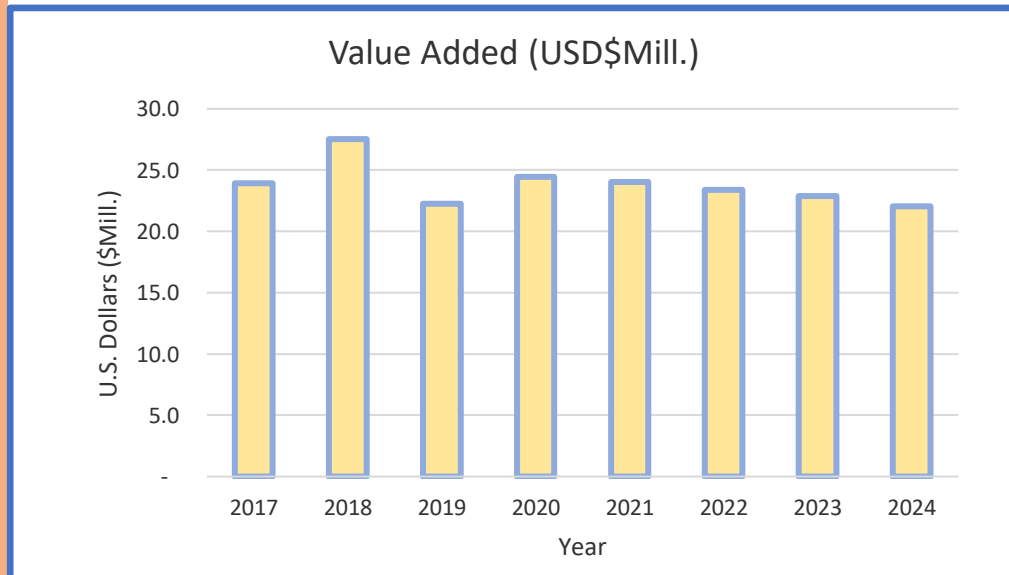
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Russia

The Hardboard Products Industry

value added will be \$59.3 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Russia.

The value added will be \$57.2 million dollars in 2024 and is forecast to change by -3.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

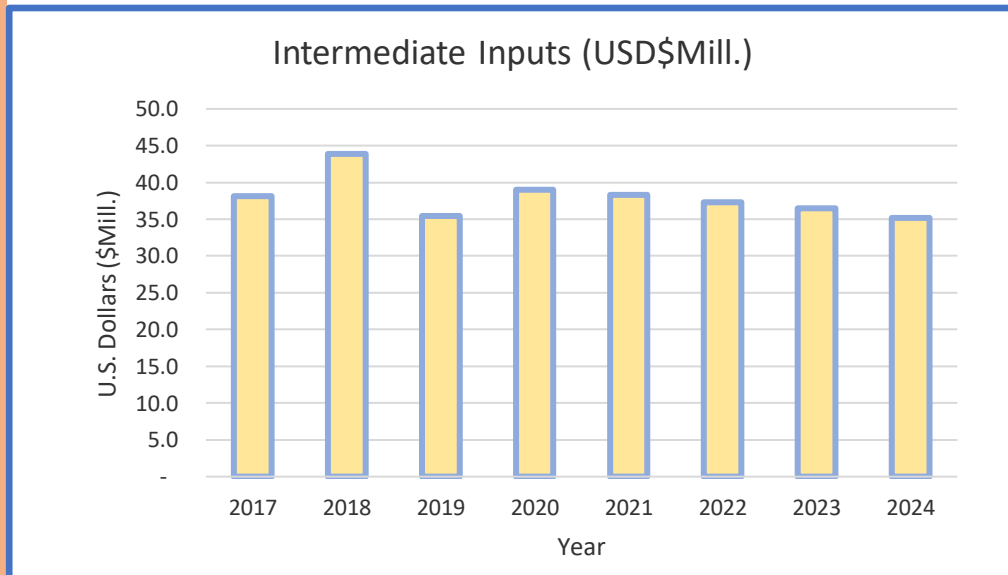
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	38.1		
2018	43.9	2017-2018	15.1%
2019	35.5	2018-2019	-19.2%
2020	39.0	2018-2020	10.0%
2021	38.3	2020-2021	-1.8%
2022	37.3	2021-2022	-2.6%
2023	36.5	2022-2023	-2.3%
2024	35.2	2023-2024	-3.6%
2029	31.5	CAGR 2024-2029	-10.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Russia

The Hardboard Products Industry intermediate inputs will be \$59.3 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Russia. The intermediate inputs will be \$57.2 million dollars in 2024 and is forecast to change by -3.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	9.7		
2018	11.2	2017-2018	15.1%
2019	9.0	2018-2019	-19.2%
2020	9.9	2018-2020	10.0%
2021	9.7	2020-2021	-1.8%
2022	9.5	2021-2022	-2.6%
2023	9.3	2022-2023	-2.3%
2024	8.9	2023-2024	-3.6%
2029	8.0	CAGR 2024-2029	-10.4%

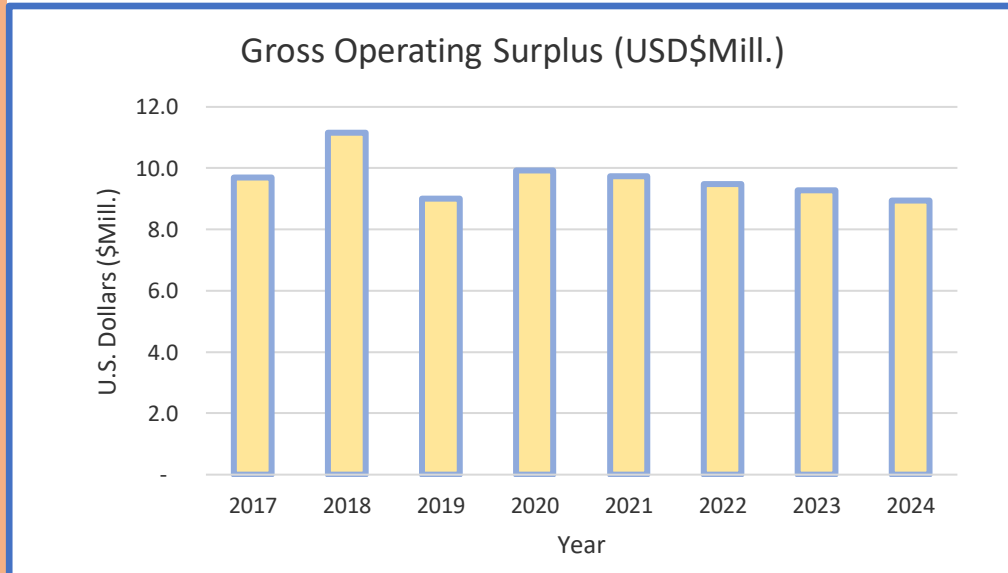
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Russia

The Hardboard Products Industry

gross operating surplus will be \$59.3 million dollars in 2023 and to change by -2.3 percent from 2022 to 2023 in Russia.

The gross operating surplus will be \$57.2 million dollars in 2024 and is forecast to change by -3.6 percent from 2023 to 2024.



Source: Wharry Sharpe Research

## Hardboard Products Industry

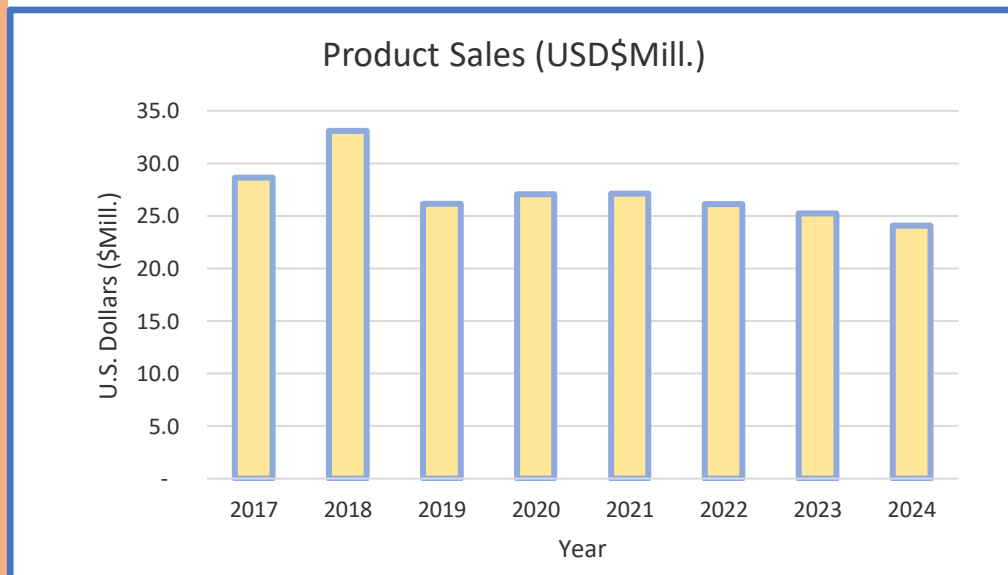
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	28.6		
2018	33.1	2017-2018	15.4%
2019	26.2	2018-2019	-20.9%
2020	27.1	2019-2020	3.4%
2021	27.1	2020-2021	0.2%
2022	26.1	2021-2022	-3.7%
2023	25.2	2022-2023	-3.4%
2024	24.1	2023-2024	-4.7%
2029	20.3	CAGR 2024-2029	-15.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$25.2 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in Saudi Arabia. The product markets will be \$24.1 million dollars in 2024 and is forecast to change by -4.7 percent from 2023 to 2024.

Saudi Arabia



Source: Wharry Sharpe Research

# Hardboard Products Industry

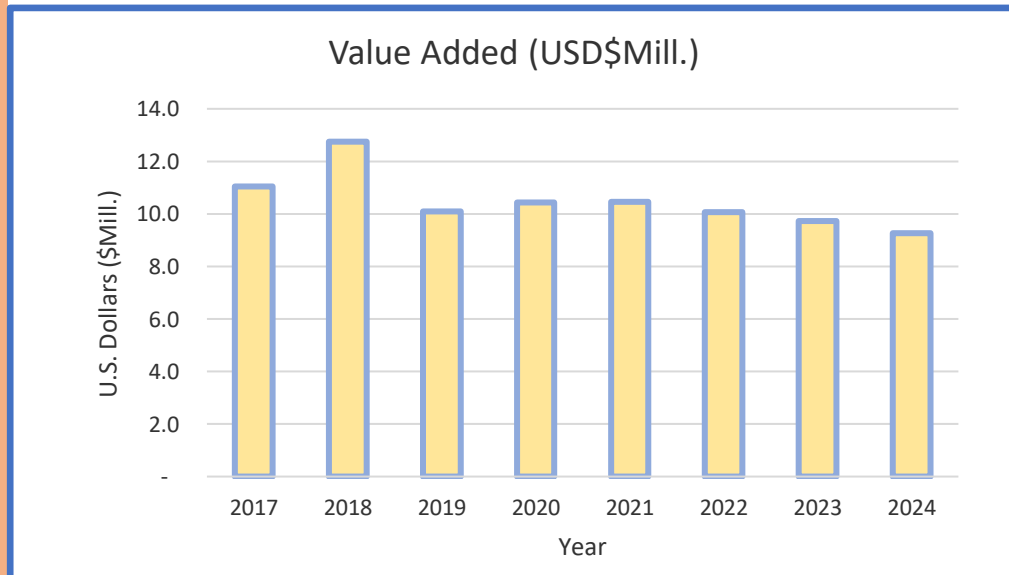
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.0		
2018	12.7	2017-2018	15.4%
2019	10.1	2018-2019	-20.9%
2020	10.4	2019-2020	3.4%
2021	10.5	2020-2021	0.2%
2022	10.1	2021-2022	-3.7%
2023	9.7	2022-2023	-3.4%
2024	9.3	2023-2024	-4.7%
2029	7.8	CAGR 2024-2029	-15.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry value added will be \$25.2 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in Saudi Arabia. The value added will be \$24.1 million dollars in 2024 and is forecast to change by -4.7 percent from 2023 to 2024.

Saudi Arabia



Source: Wharry Sharpe Research

# Hardboard Products Industry

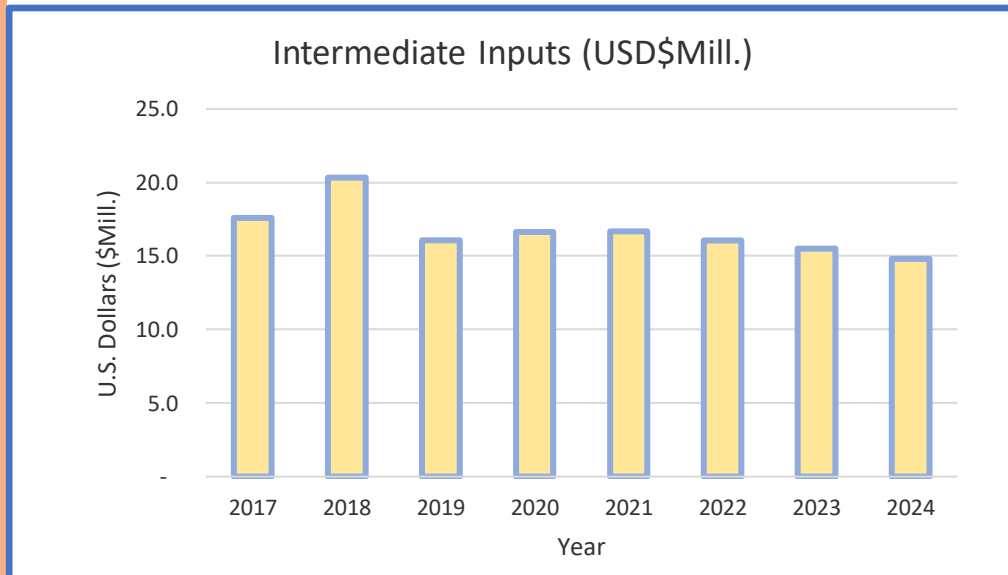
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	17.6		
2018	20.3	2017-2018	15.4%
2019	16.1	2018-2019	-20.9%
2020	16.6	2018-2020	3.4%
2021	16.7	2020-2021	0.2%
2022	16.1	2021-2022	-3.7%
2023	15.5	2022-2023	-3.4%
2024	14.8	2023-2024	-4.7%
2029	12.5	CAGR 2024-2029	-15.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry intermediate inputs will be \$25.2 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in Saudi Arabia. The intermediate inputs will be \$24.1 million dollars in 2024 and is forecast to change by -4.7 percent from 2023 to 2024.

Saudi Arabia



Source: Wharry Sharpe Research

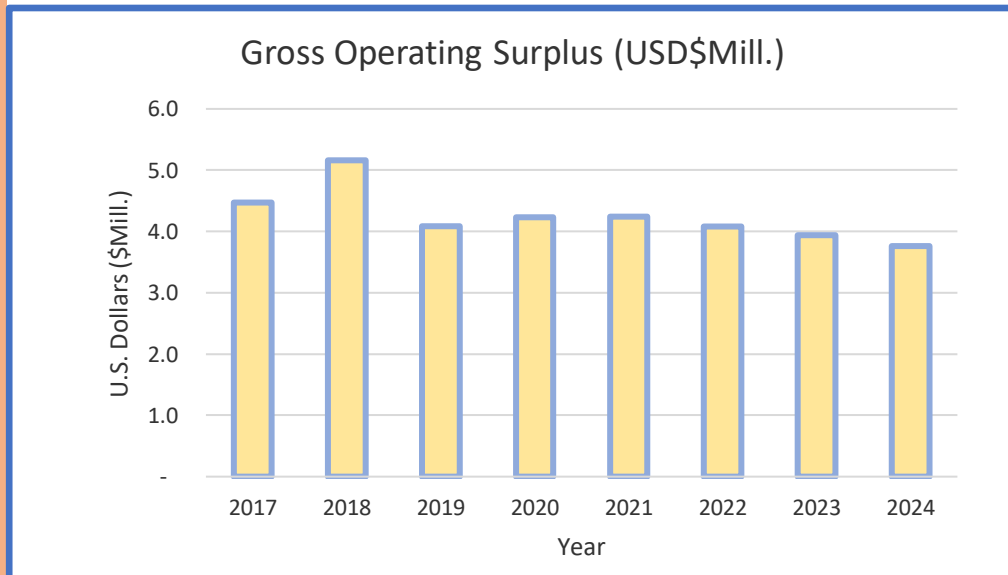
# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.5		
2018	5.2	2017-2018	15.4%
2019	4.1	2018-2019	-20.9%
2020	4.2	2018-2020	3.4%
2021	4.2	2020-2021	0.2%
2022	4.1	2021-2022	-3.7%
2023	3.9	2022-2023	-3.4%
2024	3.8	2023-2024	-4.7%
2029	3.2	CAGR 2024-2029	-15.7%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$25.2 million dollars in 2023 and to change by -3.4 percent from 2022 to 2023 in Saudi Arabia. The gross operating surplus will be \$24.1 million dollars in 2024 and is forecast to change by -4.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

Saudi Arabia

# Hardboard Products Industry

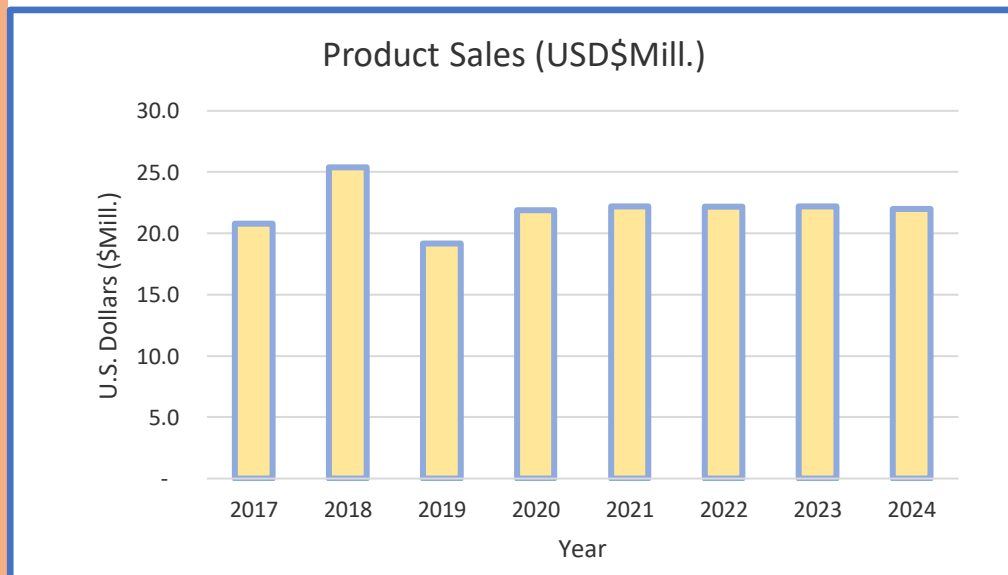
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	20.8		
2018	25.4	2017-2018	22.1%
2019	19.2	2018-2019	-24.6%
2020	21.9	2019-2020	14.2%
2021	22.2	2020-2021	1.4%
2022	22.2	2021-2022	0.0%
2023	22.2	2022-2023	0.1%
2024	22.0	2023-2024	-1.1%
2029	21.9	CAGR 2024-2029	-0.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$22.2 million dollars in 2023 and to change by 0.1 percent from 2022 to 2023 in Singapore. The product markets will be \$22.0 million dollars in 2024 and is forecast to change by -1.1 percent from 2023 to 2024.

Singapore



Source: Wharry Sharpe Research

# Hardboard Products Industry

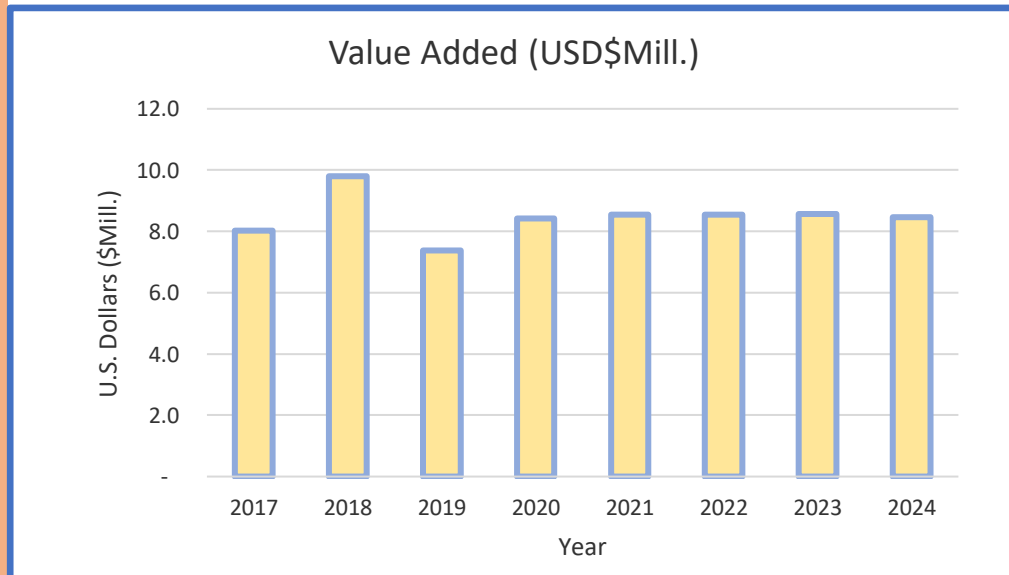
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.0		
2018	9.8	2017-2018	22.1%
2019	7.4	2018-2019	-24.6%
2020	8.4	2019-2020	14.2%
2021	8.6	2020-2021	1.4%
2022	8.5	2021-2022	0.0%
2023	8.6	2022-2023	0.1%
2024	8.5	2023-2024	-1.1%
2029	8.4	CAGR 2024-2029	-0.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry value added will be \$22.2 million dollars in 2023 and to change by 0.1 percent from 2022 to 2023 in Singapore. The value added will be \$22.0 million dollars in 2024 and is forecast to change by -1.1 percent from 2023 to 2024.

Singapore



Source: Wharry Sharpe Research



# Hardboard Products Industry

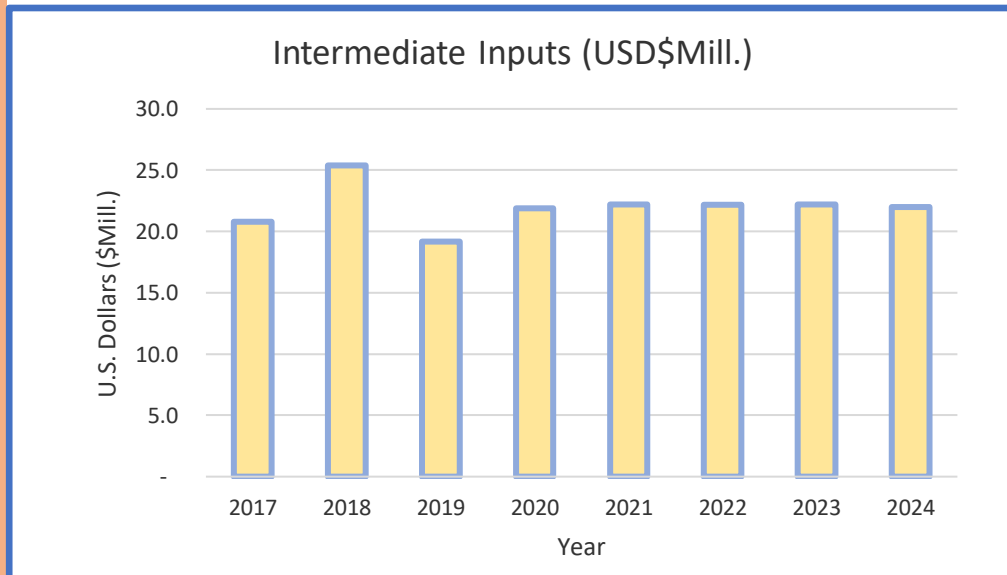
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	20.8		
2018	25.4	2017-2018	22.1%
2019	19.2	2018-2019	-24.6%
2020	21.9	2018-2020	14.2%
2021	22.2	2020-2021	1.4%
2022	22.2	2021-2022	0.0%
2023	22.2	2022-2023	0.1%
2024	22.0	2023-2024	-1.1%
2029	21.9	CAGR 2024-2029	-0.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Singapore

The Hardboard Products Industry intermediate inputs will be \$22.2 million dollars in 2023 and to change by 0.1 percent from 2022 to 2023 in Singapore. The intermediate inputs will be \$22.0 million dollars in 2024 and is forecast to change by -1.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

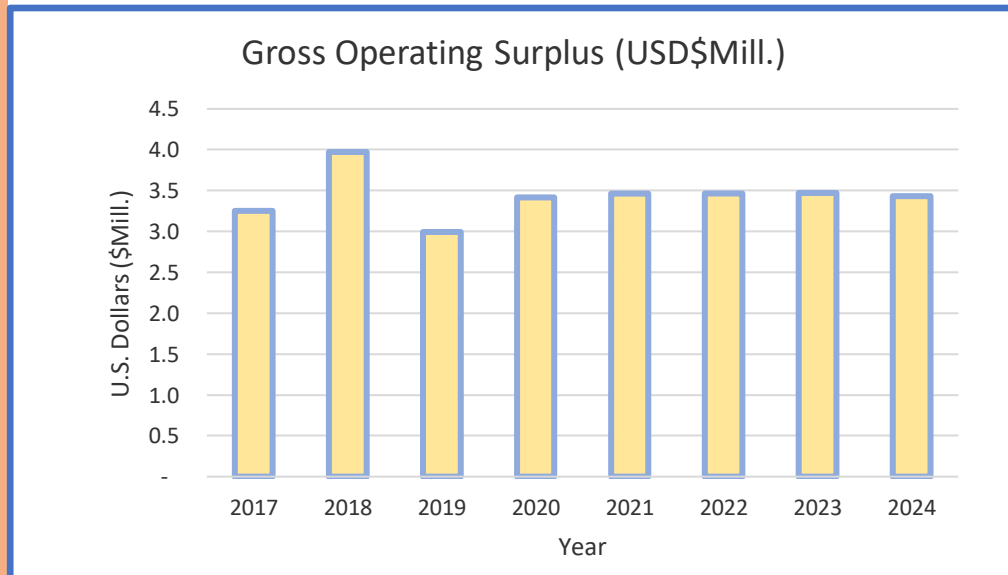
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.3		
2018	4.0	2017-2018	22.1%
2019	3.0	2018-2019	-24.6%
2020	3.4	2018-2020	14.2%
2021	3.5	2020-2021	1.4%
2022	3.5	2021-2022	0.0%
2023	3.5	2022-2023	0.1%
2024	3.4	2023-2024	-1.1%
2029	3.4	CAGR 2024-2029	-0.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$22.2 million dollars in 2023 and to change by 0.1 percent from 2022 to 2023 in Singapore. The gross operating surplus will be \$22.0 million dollars in 2024 and is forecast to change by -1.1 percent from 2023 to 2024.

Singapore



Source: Wharry Sharpe Research

# Hardboard Products Industry

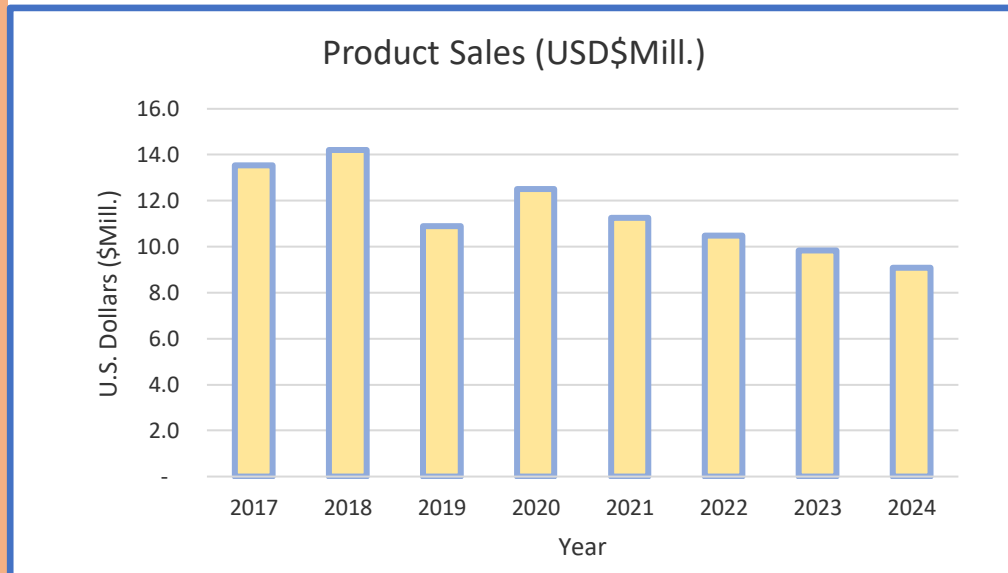
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.5		
2018	14.2	2017-2018	4.9%
2019	10.9	2018-2019	-23.3%
2020	12.5	2019-2020	14.8%
2021	11.2	2020-2021	-10.1%
2022	10.5	2021-2022	-6.8%
2023	9.8	2022-2023	-6.3%
2024	9.1	2023-2024	-7.7%
2029	6.7	CAGR 2024-2029	-26.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$9.8 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in South Africa. The product markets will be \$9.1 million dollars in 2024 and is forecast to change by -7.7 percent from 2023 to 2024.

South Africa



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.2		
2018	5.5	2017-2018	4.9%
2019	4.2	2018-2019	-23.3%
2020	4.8	2019-2020	14.8%
2021	4.3	2020-2021	-10.1%
2022	4.0	2021-2022	-6.8%
2023	3.8	2022-2023	-6.3%
2024	3.5	2023-2024	-7.7%
2029	2.6	CAGR 2024-2029	-26.0%

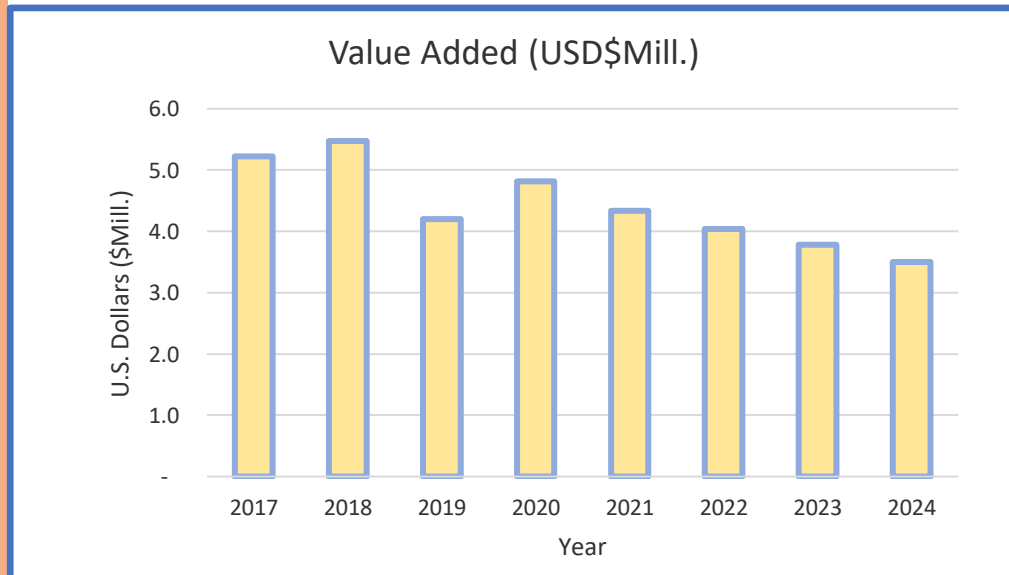
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry

value added will be \$9.8 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in South Africa.

The value added will be \$9.1 million dollars in 2024 and is forecast to change by -7.7 percent from 2023 to 2024.

South Africa



Source: Wharry Sharpe Research

# Hardboard Products Industry

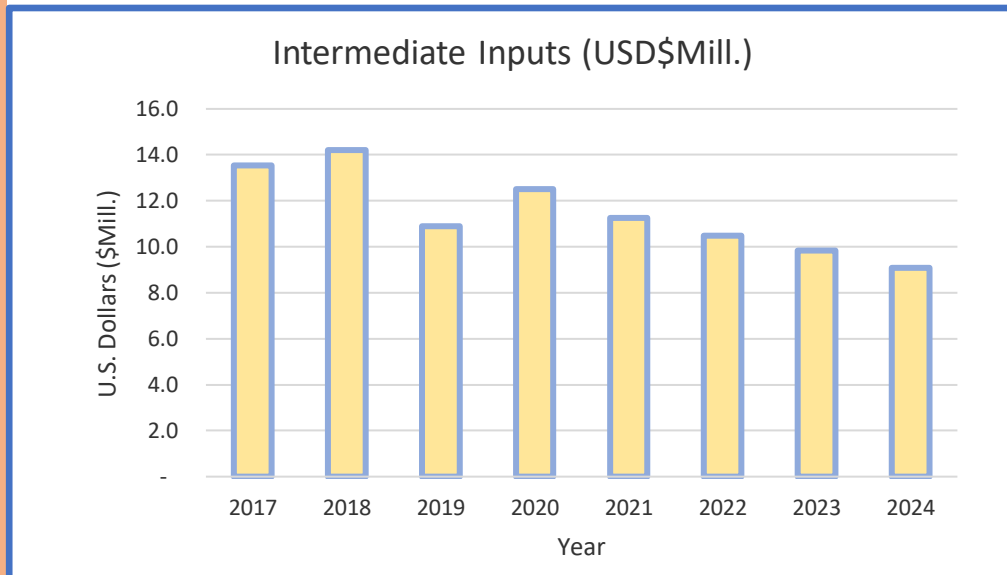
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.5		
2018	14.2	2017-2018	4.9%
2019	10.9	2018-2019	-23.3%
2020	12.5	2018-2020	14.8%
2021	11.2	2020-2021	-10.1%
2022	10.5	2021-2022	-6.8%
2023	9.8	2022-2023	-6.3%
2024	9.1	2023-2024	-7.7%
2029	6.7	CAGR 2024-2029	-26.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

South Africa

The Hardboard Products Industry intermediate inputs will be \$9.8 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in South Africa. The intermediate inputs will be \$9.1 million dollars in 2024 and is forecast to change by -7.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.1		
2018	2.2	2017-2018	4.9%
2019	1.7	2018-2019	-23.3%
2020	2.0	2018-2020	14.8%
2021	1.8	2020-2021	-10.1%
2022	1.6	2021-2022	-6.8%
2023	1.5	2022-2023	-6.3%
2024	1.4	2023-2024	-7.7%
2029	1.0	CAGR 2024-2029	-26.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

South Africa

The Hardboard Products Industry gross operating surplus will be \$9.8 million dollars in 2023 and to change by -6.3 percent from 2022 to 2023 in South Africa. The gross operating surplus will be \$9.1 million dollars in 2024 and is forecast to change by -7.7 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

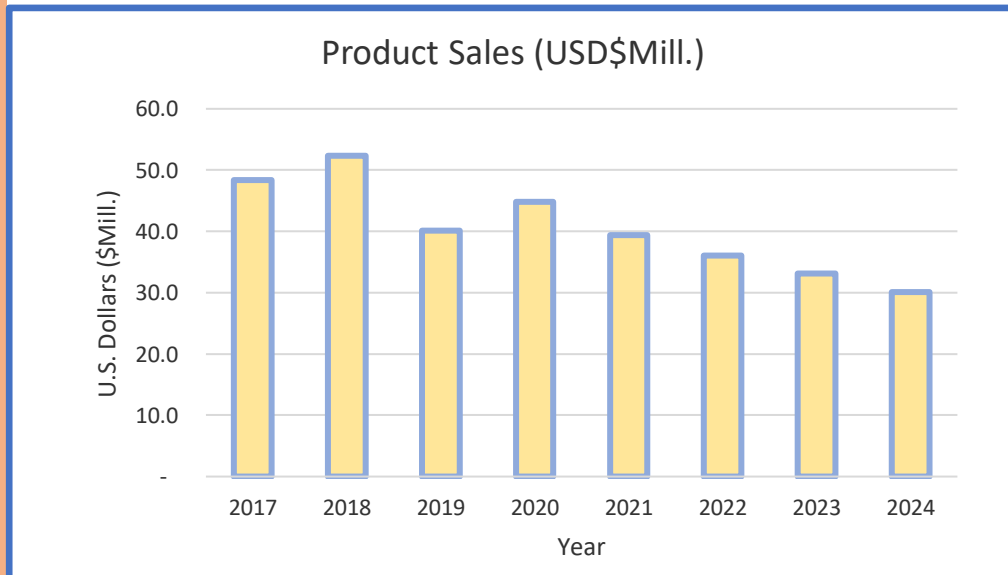
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	48.4		
2018	52.3	2017-2018	8.2%
2019	40.1	2018-2019	-23.3%
2020	44.9	2019-2020	11.8%
2021	39.4	2020-2021	-12.3%
2022	36.1	2021-2022	-8.4%
2023	33.2	2022-2023	-8.0%
2024	30.1	2023-2024	-9.3%
2029	20.1	CAGR 2024-2029	-33.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Spain

The Hardboard Products Industry is forecast to be \$33.2 million dollars in 2023 and to change by -8 percent from 2022 to 2023 in Spain. The product markets will be \$30.1 million dollars in 2024 and is forecast to change by -9.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	18.6		
2018	20.2	2017-2018	8.2%
2019	15.5	2018-2019	-23.3%
2020	17.3	2019-2020	11.8%
2021	15.2	2020-2021	-12.3%
2022	13.9	2021-2022	-8.4%
2023	12.8	2022-2023	-8.0%
2024	11.6	2023-2024	-9.3%
2029	7.7	CAGR 2024-2029	-33.3%

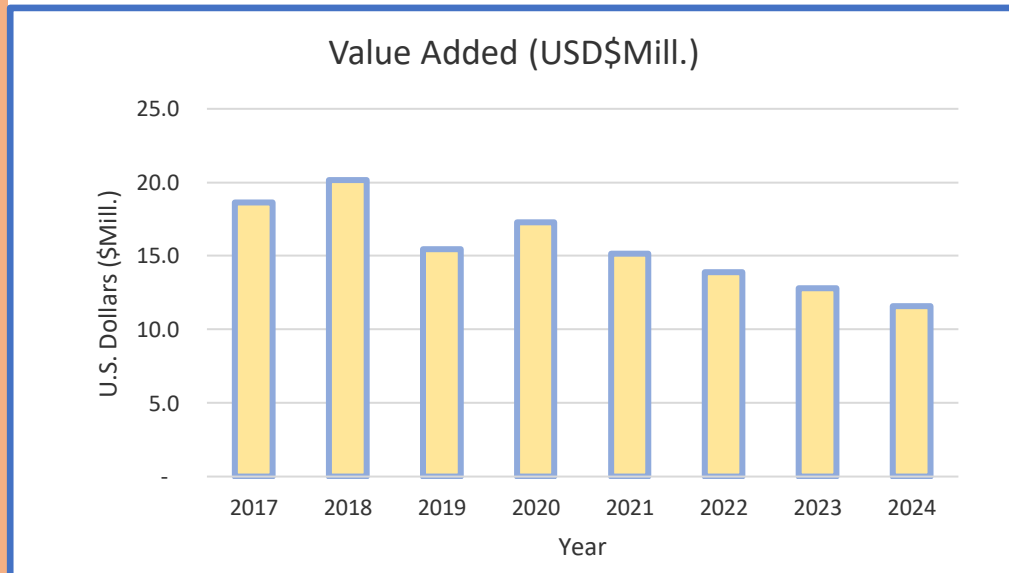
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Spain

The Hardboard Products Industry

value added will be \$33.2 million dollars in 2023 and to change by -8 percent from 2022 to 2023 in Spain.

The value added will be \$30.1 million dollars in 2024 and is forecast to change by -9.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

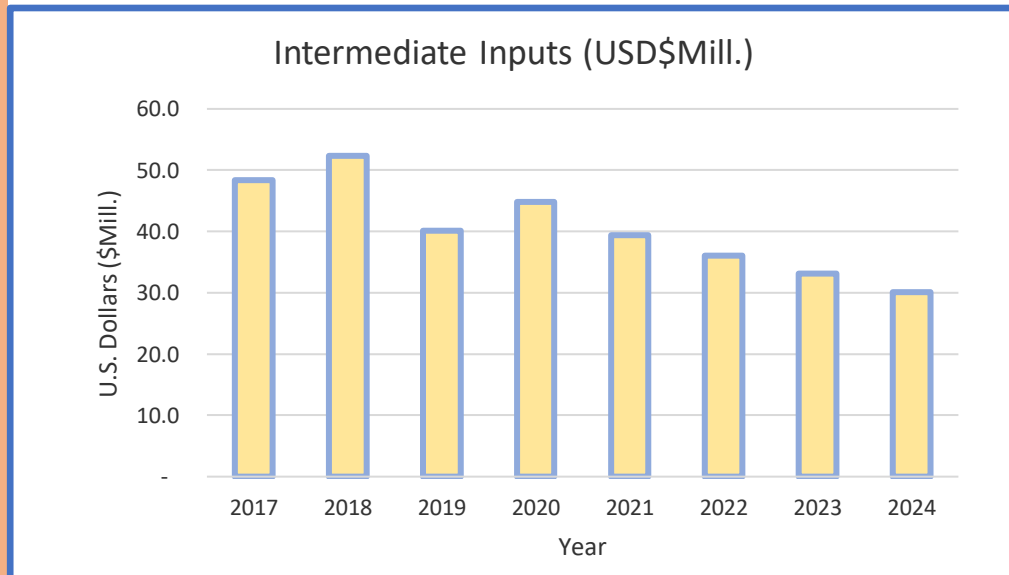
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	48.4		
2018	52.3	2017-2018	8.2%
2019	40.1	2018-2019	-23.3%
2020	44.9	2018-2020	11.8%
2021	39.4	2020-2021	-12.3%
2022	36.1	2021-2022	-8.4%
2023	33.2	2022-2023	-8.0%
2024	30.1	2023-2024	-9.3%
2029	20.1	CAGR 2024-2029	-33.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Spain

The Hardboard Products Industry intermediate inputs will be \$33.2 million dollars in 2023 and to change by -8 percent from 2022 to 2023 in Spain. The intermediate inputs will be \$30.1 million dollars in 2024 and is forecast to change by -9.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.6		
2018	8.2	2017-2018	8.2%
2019	6.3	2018-2019	-23.3%
2020	7.0	2018-2020	11.8%
2021	6.1	2020-2021	-12.3%
2022	5.6	2021-2022	-8.4%
2023	5.2	2022-2023	-8.0%
2024	4.7	2023-2024	-9.3%
2029	3.1	CAGR 2024-2029	-33.3%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Spain

The Hardboard Products Industry gross operating surplus will be \$33.2 million dollars in 2023 and to change by -8 percent from 2022 to 2023 in Spain.

The gross operating surplus will be \$30.1 million dollars in 2024 and is forecast to change by -9.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

## Hardboard Products Industry

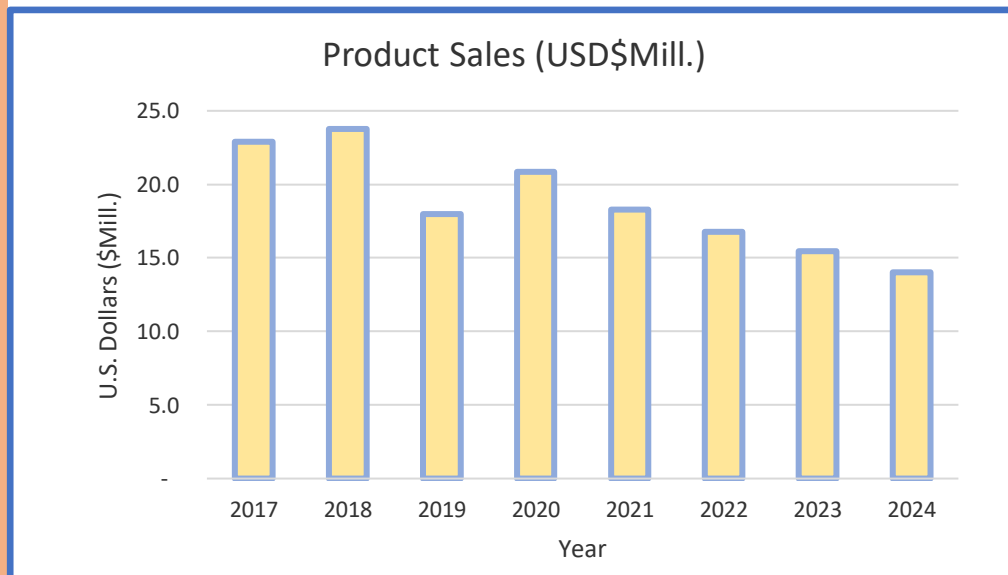
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	22.9		
2018	23.8	2017-2018	3.7%
2019	18.0	2018-2019	-24.3%
2020	20.9	2019-2020	15.9%
2021	18.3	2020-2021	-12.3%
2022	16.8	2021-2022	-8.3%
2023	15.5	2022-2023	-7.9%
2024	14.0	2023-2024	-9.2%
2029	9.5	CAGR 2024-2029	-32.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Sweden

The Hardboard Products Industry is forecast to be \$15.5 million dollars in 2023 and to change by -7.9 percent from 2022 to 2023 in Sweden. The product markets will be \$14.0 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	8.8		
2018	9.2	2017-2018	3.7%
2019	6.9	2018-2019	-24.3%
2020	8.0	2019-2020	15.9%
2021	7.0	2020-2021	-12.3%
2022	6.5	2021-2022	-8.3%
2023	6.0	2022-2023	-7.9%
2024	5.4	2023-2024	-9.2%
2029	3.6	CAGR 2024-2029	-32.5%

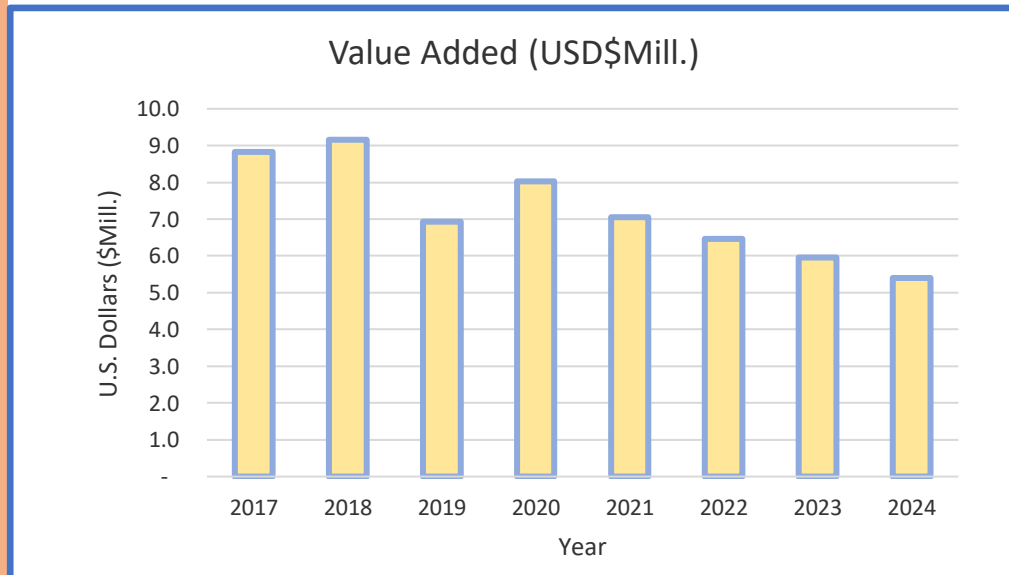
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Sweden

The Hardboard Products Industry

value added will be \$15.5 million dollars in 2023 and to change by -7.9 percent from 2022 to 2023 in Sweden.

The value added will be \$14.0 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

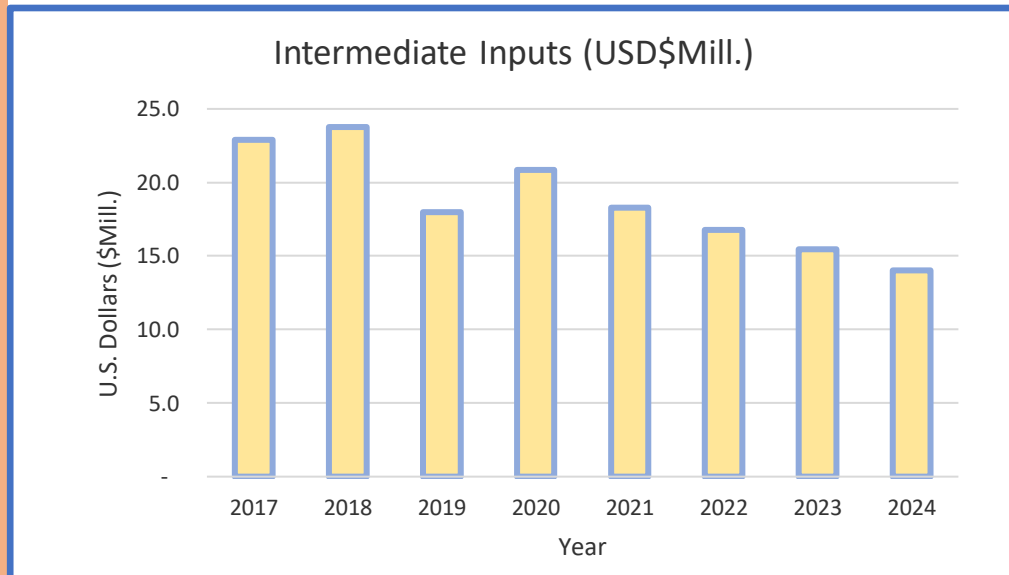
## INTERMEDIATE INPUTS

Intermediate Inputs (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	22.9		
2018	23.8	2017-2018	3.7%
2019	18.0	2018-2019	-24.3%
2020	20.9	2018-2020	15.9%
2021	18.3	2020-2021	-12.3%
2022	16.8	2021-2022	-8.3%
2023	15.5	2022-2023	-7.9%
2024	14.0	2023-2024	-9.2%
2029	9.5	CAGR 2024-2029	-32.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Sweden

The Hardboard Products Industry intermediate inputs will be \$15.5 million dollars in 2023 and to change by -7.9 percent from 2022 to 2023 in Sweden. The intermediate inputs will be \$14.0 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	3.6		
2018	3.7	2017-2018	3.7%
2019	2.8	2018-2019	-24.3%
2020	3.3	2018-2020	15.9%
2021	2.9	2020-2021	-12.3%
2022	2.6	2021-2022	-8.3%
2023	2.4	2022-2023	-7.9%
2024	2.2	2023-2024	-9.2%
2029	1.5	CAGR 2024-2029	-32.5%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Sweden

The Hardboard Products Industry gross operating surplus will be \$15.5 million dollars in 2023 and to change by -7.9 percent from 2022 to 2023 in Sweden. The gross operating surplus will be \$14.0 million dollars in 2024 and is forecast to change by -9.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

## Hardboard Products Industry

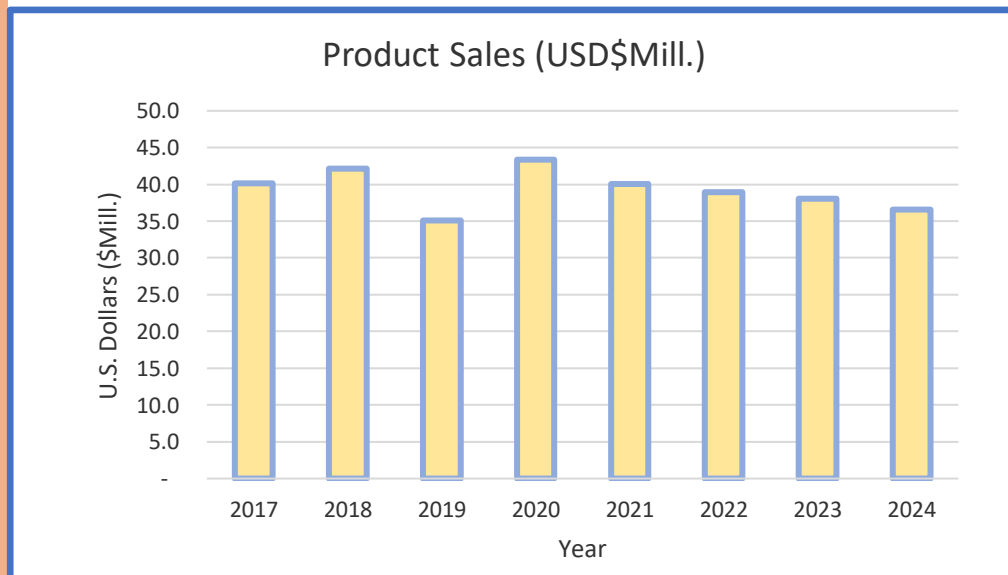
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	40.1		
2018	42.1	2017-2018	5.0%
2019	35.1	2018-2019	-16.7%
2020	43.3	2019-2020	23.5%
2021	40.0	2020-2021	-7.6%
2022	38.9	2021-2022	-2.7%
2023	38.0	2022-2023	-2.4%
2024	36.6	2023-2024	-3.7%
2029	32.5	CAGR 2024-2029	-11.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$38.0 million dollars in 2023 and to change by -2.4 percent from 2022 to 2023 in Switzerland. The product markets will be \$36.6 million dollars in 2024 and is forecast to change by -3.7 percent from 2023 to 2024.

Switzerland



Source: Wharry Sharpe Research

# Hardboard Products Industry

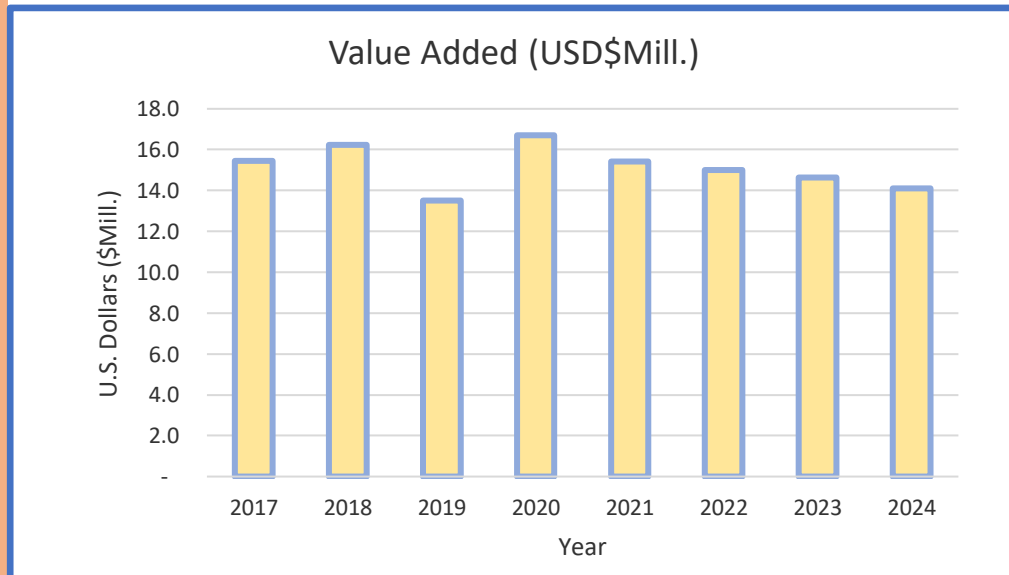
## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	15.5		
2018	16.2	2017-2018	5.0%
2019	13.5	2018-2019	-16.7%
2020	16.7	2019-2020	23.5%
2021	15.4	2020-2021	-7.6%
2022	15.0	2021-2022	-2.7%
2023	14.6	2022-2023	-2.4%
2024	14.1	2023-2024	-3.7%
2029	12.5	CAGR 2024-2029	-11.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

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Switzerland



Source: Wharry Sharpe Research



# Hardboard Products Industry

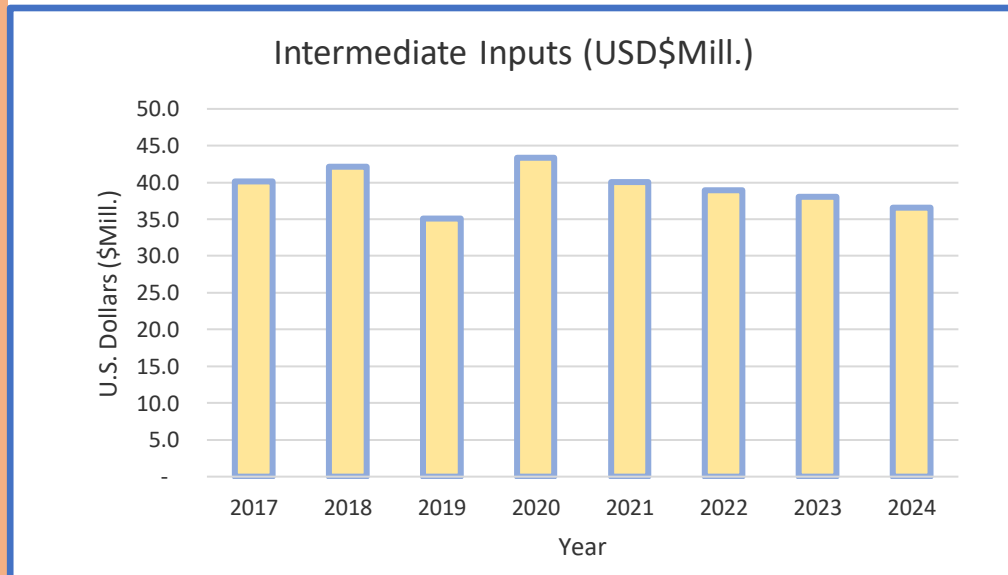
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	40.1		
2018	42.1	2017-2018	5.0%
2019	35.1	2018-2019	-16.7%
2020	43.3	2018-2020	23.5%
2021	40.0	2020-2021	-7.6%
2022	38.9	2021-2022	-2.7%
2023	38.0	2022-2023	-2.4%
2024	36.6	2023-2024	-3.7%
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Switzerland



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	6.3		
2018	6.6	2017-2018	5.0%
2019	5.5	2018-2019	-16.7%
2020	6.8	2018-2020	23.5%
2021	6.3	2020-2021	-7.6%
2022	6.1	2021-2022	-2.7%
2023	5.9	2022-2023	-2.4%
2024	5.7	2023-2024	-3.7%
2029	5.1	CAGR 2024-2029	-11.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$38.0 million dollars in 2023 and to change by -2.4 percent from 2022 to 2023 in Switzerland. The gross operating surplus will be \$36.6 million dollars in 2024 and is forecast to change by -3.7 percent from 2023 to 2024.

Switzerland



Source: Wharry Sharpe Research

# Hardboard Products Industry

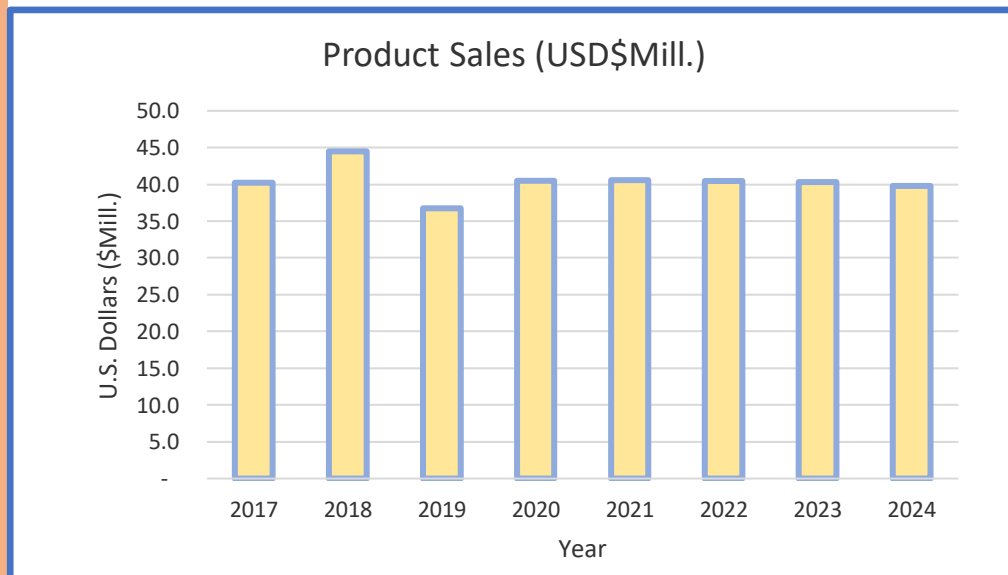
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	40.2		
2018	44.4	2017-2018	10.5%
2019	36.7	2018-2019	-17.4%
2020	40.4	2019-2020	10.2%
2021	40.6	2020-2021	0.3%
2022	40.5	2021-2022	-0.3%
2023	40.3	2022-2023	-0.3%
2024	39.8	2023-2024	-1.3%
2029	37.4	CAGR 2024-2029	-6.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Thailand

The Hardboard Products Industry is forecast to be \$40.3 million dollars in 2023 and to change by -0.3 percent from 2022 to 2023 in Thailand. The product markets will be \$39.8 million dollars in 2024 and is forecast to change by -1.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	15.5		
2018	17.1	2017-2018	10.5%
2019	14.1	2018-2019	-17.4%
2020	15.6	2019-2020	10.2%
2021	15.6	2020-2021	0.3%
2022	15.6	2021-2022	-0.3%
2023	15.5	2022-2023	-0.3%
2024	15.3	2023-2024	-1.3%
2029	14.4	CAGR 2024-2029	-6.0%

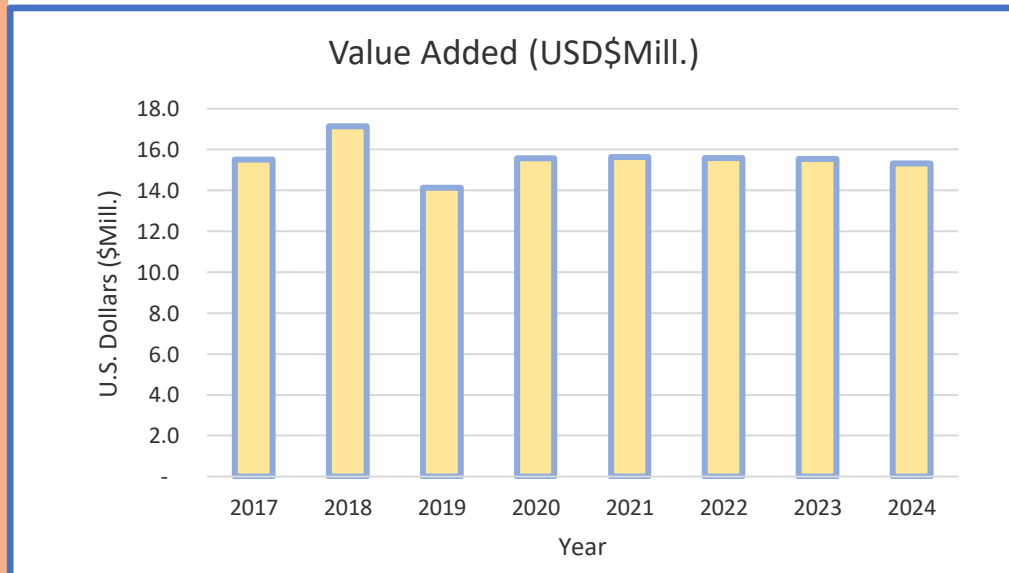
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Thailand

The Hardboard Products Industry

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Source: Wharry Sharpe Research

# Hardboard Products Industry

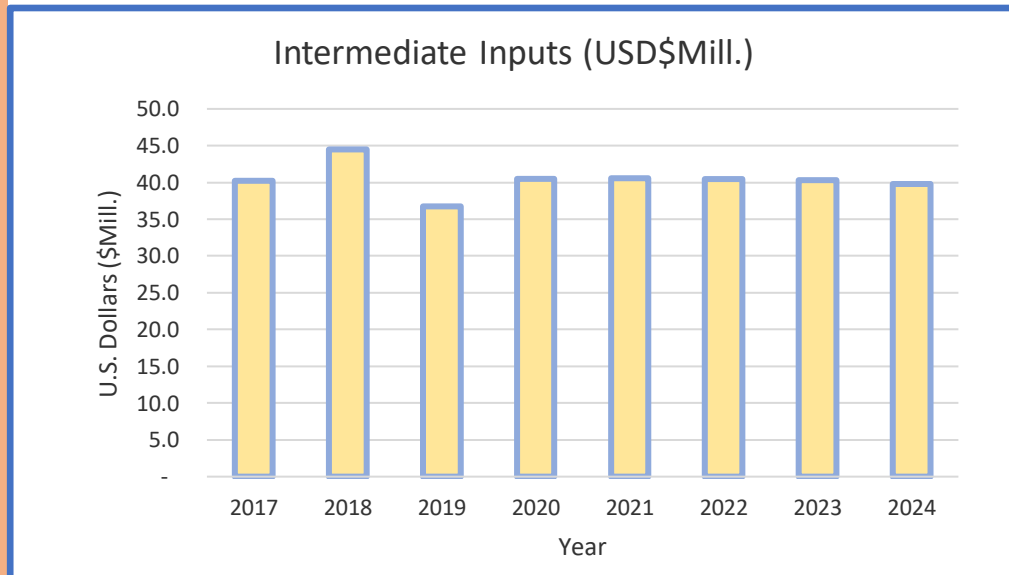
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	40.2		
2018	44.4	2017-2018	10.5%
2019	36.7	2018-2019	-17.4%
2020	40.4	2018-2020	10.2%
2021	40.6	2020-2021	0.3%
2022	40.5	2021-2022	-0.3%
2023	40.3	2022-2023	-0.3%
2024	39.8	2023-2024	-1.3%
2029	37.4	CAGR 2024-2029	-6.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

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Source: Wharry Sharpe Research

# Hardboard Products Industry

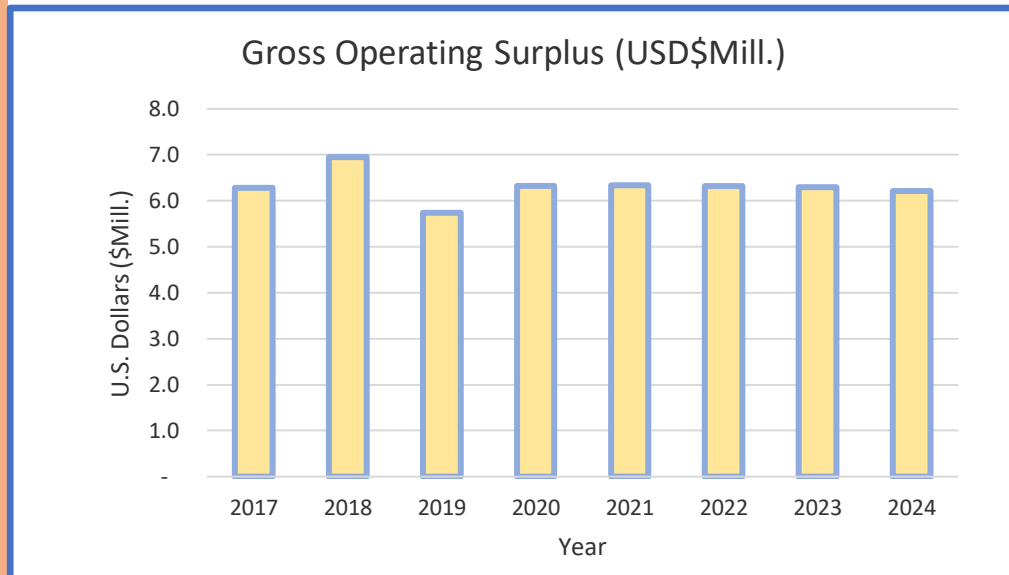
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	6.3		
2018	6.9	2017-2018	10.5%
2019	5.7	2018-2019	-17.4%
2020	6.3	2018-2020	10.2%
2021	6.3	2020-2021	0.3%
2022	6.3	2021-2022	-0.3%
2023	6.3	2022-2023	-0.3%
2024	6.2	2023-2024	-1.3%
2029	5.8	CAGR 2024-2029	-6.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Thailand

The Hardboard Products Industry gross operating surplus will be \$40.3 million dollars in 2023 and to change by -0.3 percent from 2022 to 2023 in Thailand. The gross operating surplus will be \$39.8 million dollars in 2024 and is forecast to change by -1.3 percent from 2023 to 2024.



Source: Wharry Sharpe Research

## Hardboard Products Industry

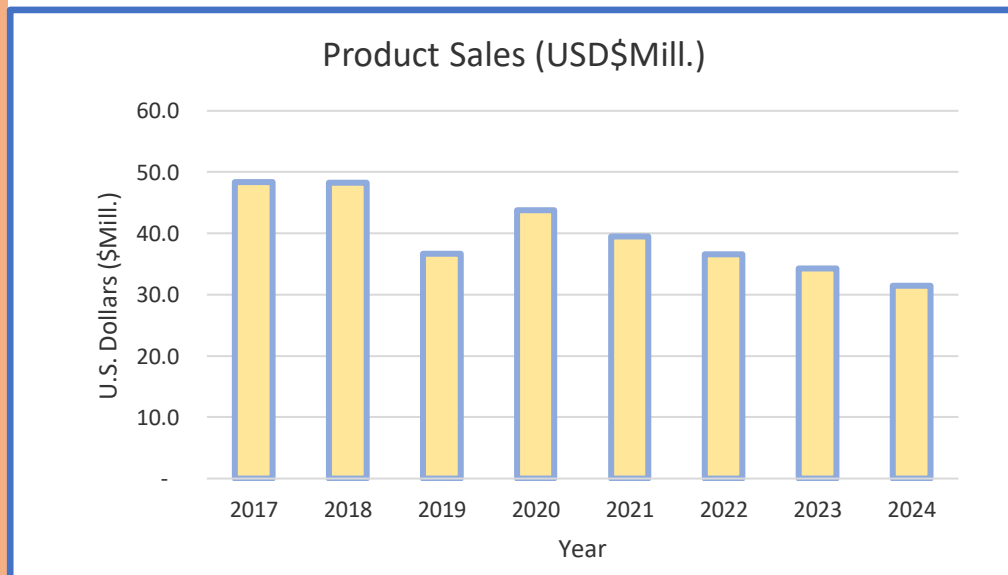
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	48.4		
2018	48.2	2017-2018	-0.4%
2019	36.6	2018-2019	-24.0%
2020	43.7	2019-2020	19.4%
2021	39.5	2020-2021	-9.7%
2022	36.6	2021-2022	-7.3%
2023	34.2	2022-2023	-6.4%
2024	31.4	2023-2024	-8.2%
2029	24.3	CAGR 2024-2029	-22.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Turkey

The Hardboard Products Industry is forecast to be \$34.2 million dollars in 2023 and to change by -6.4 percent from 2022 to 2023 in Turkey. The product markets will be \$31.4 million dollars in 2024 and is forecast to change by -8.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	18.6		
2018	18.6	2017-2018	-0.4%
2019	14.1	2018-2019	-24.0%
2020	16.9	2019-2020	19.4%
2021	15.2	2020-2021	-9.7%
2022	14.1	2021-2022	-7.3%
2023	13.2	2022-2023	-6.4%
2024	12.1	2023-2024	-8.2%
2029	9.4	CAGR 2024-2029	-22.6%

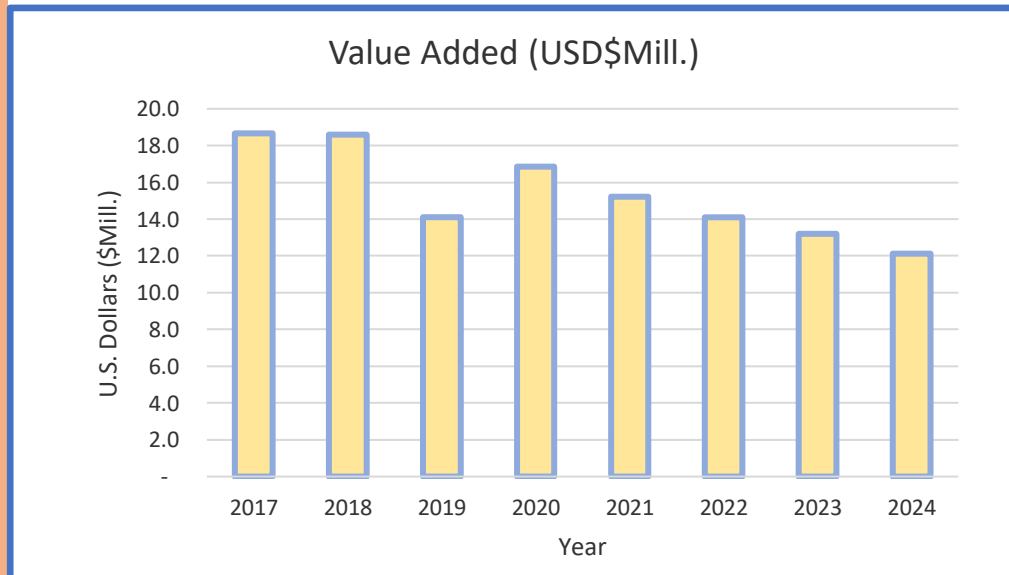
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Turkey

The Hardboard Products Industry

value added will be \$34.2 million dollars in 2023 and to change by -6.4 percent from 2022 to 2023 in Turkey.

The value added will be \$31.4 million dollars in 2024 and is forecast to change by -8.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

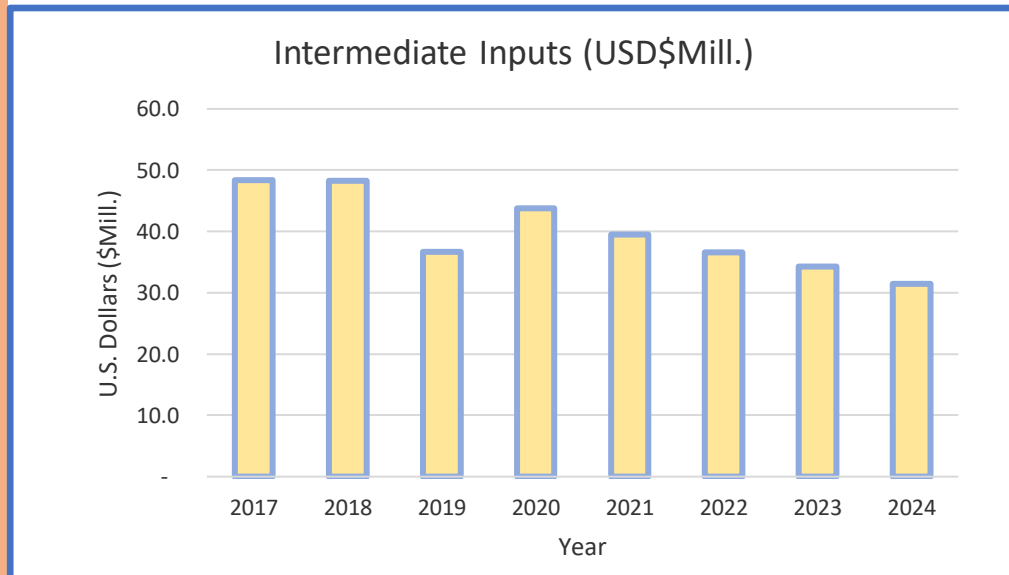
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	48.4		
2018	48.2	2017-2018	-0.4%
2019	36.6	2018-2019	-24.0%
2020	43.7	2018-2020	19.4%
2021	39.5	2020-2021	-9.7%
2022	36.6	2021-2022	-7.3%
2023	34.2	2022-2023	-6.4%
2024	31.4	2023-2024	-8.2%
2029	24.3	CAGR 2024-2029	-22.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Turkey

The Hardboard Products Industry intermediate inputs will be \$34.2 million dollars in 2023 and to change by -6.4 percent from 2022 to 2023 in Turkey. The intermediate inputs will be \$31.4 million dollars in 2024 and is forecast to change by -8.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	7.6		
2018	7.5	2017-2018	-0.4%
2019	5.7	2018-2019	-24.0%
2020	6.8	2018-2020	19.4%
2021	6.2	2020-2021	-9.7%
2022	5.7	2021-2022	-7.3%
2023	5.3	2022-2023	-6.4%
2024	4.9	2023-2024	-8.2%
2029	3.8	CAGR 2024-2029	-22.6%

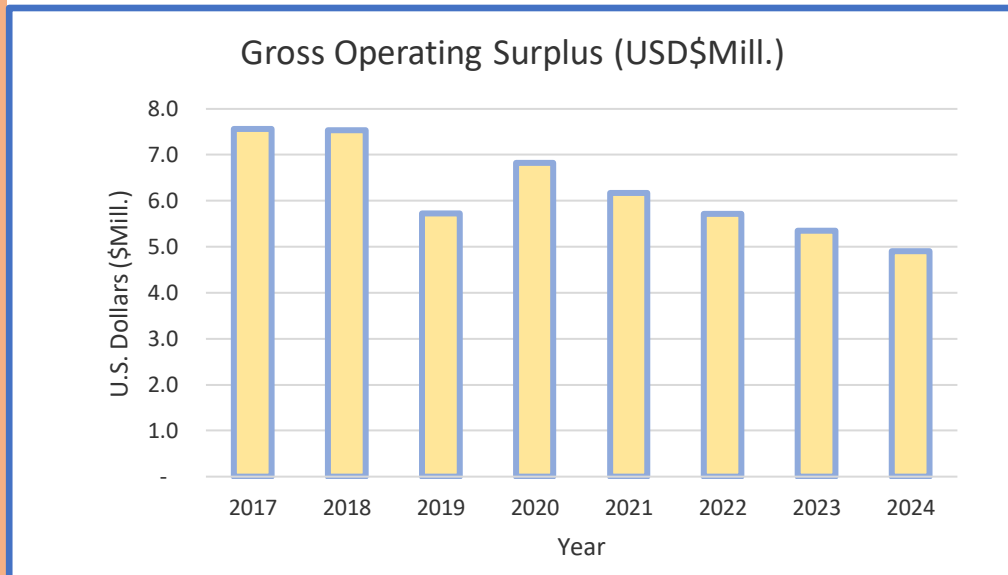
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Turkey

The Hardboard Products Industry

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The gross operating surplus will be \$31.4 million dollars in 2024 and is forecast to change by -8.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

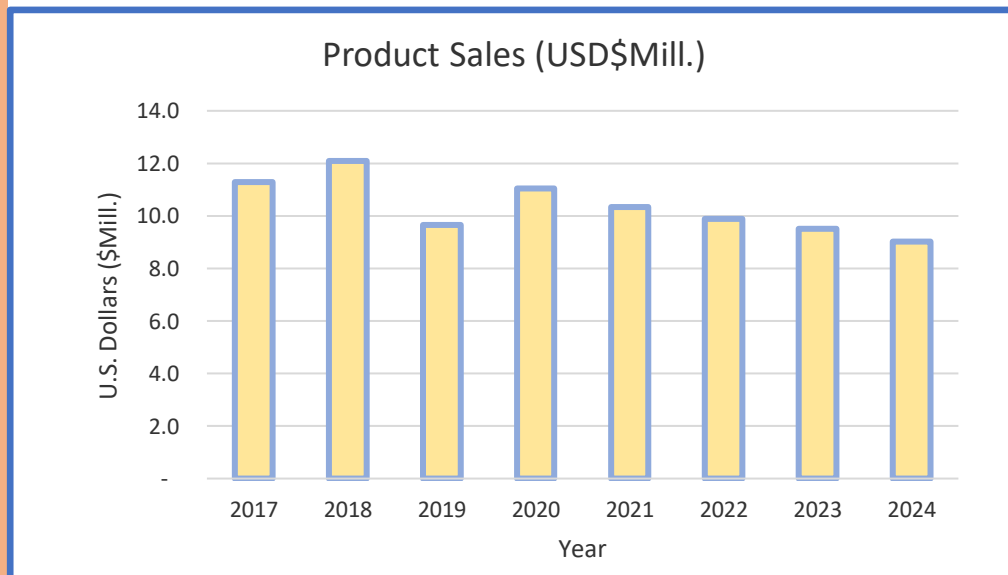
## Hardboard Products Industry

### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.3		
2018	12.1	2017-2018	7.2%
2019	9.7	2018-2019	-20.1%
2020	11.0	2019-2020	14.2%
2021	10.3	2020-2021	-6.4%
2022	9.9	2021-2022	-4.3%
2023	9.5	2022-2023	-3.8%
2024	9.0	2023-2024	-5.2%
2029	7.6	CAGR 2024-2029	-15.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$9.5 million dollars in 2023 and to change by -3.8 percent from 2022 to 2023 in United Arab Emirates. The product markets will be \$9.0 million dollars in 2024 and is forecast to change by -5.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

United Arab Emirates

# Hardboard Products Industry

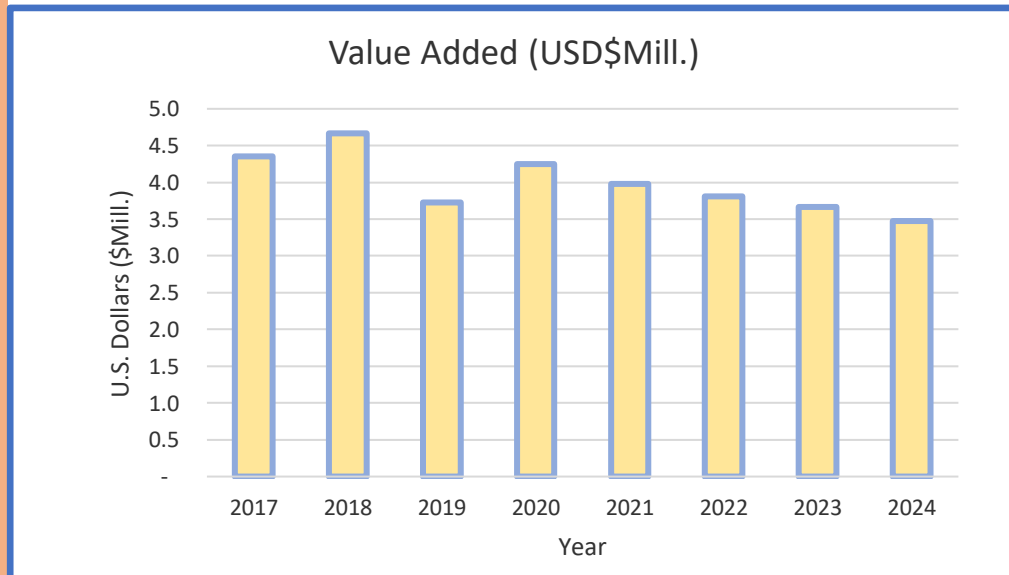
## VALUE ADDED

United Arab Emirates

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.3		
2018	4.7	2017-2018	7.2%
2019	3.7	2018-2019	-20.1%
2020	4.3	2019-2020	14.2%
2021	4.0	2020-2021	-6.4%
2022	3.8	2021-2022	-4.3%
2023	3.7	2022-2023	-3.8%
2024	3.5	2023-2024	-5.2%
2029	2.9	CAGR 2024-2029	-15.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry value added will be \$9.5 million dollars in 2023 and to change by -3.8 percent from 2022 to 2023 in United Arab Emirates. The value added will be \$9.0 million dollars in 2024 and is forecast to change by -5.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

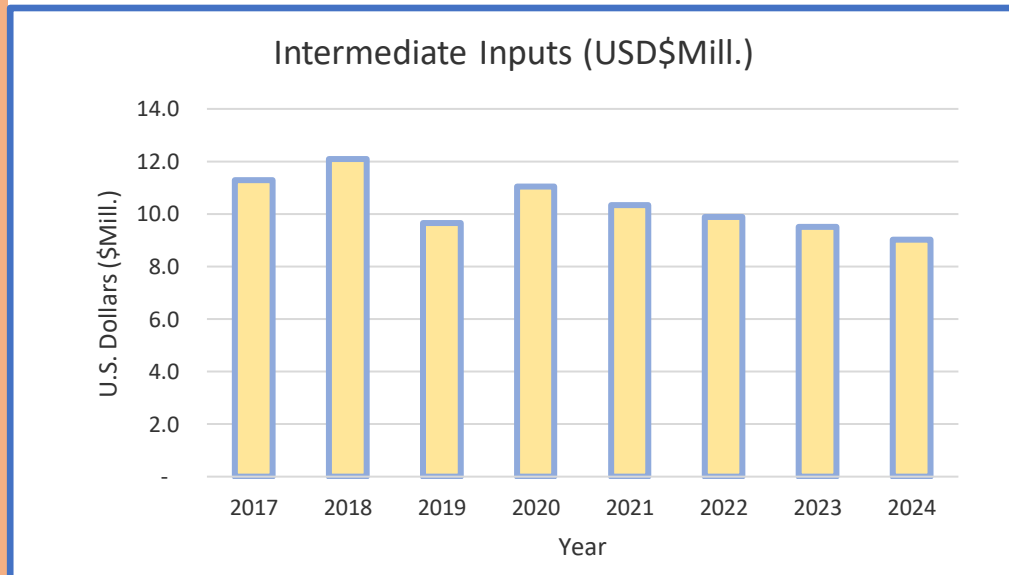
## INTERMEDIATE INPUTS

United Arab Emirates

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.3		
2018	12.1	2017-2018	7.2%
2019	9.7	2018-2019	-20.1%
2020	11.0	2018-2020	14.2%
2021	10.3	2020-2021	-6.4%
2022	9.9	2021-2022	-4.3%
2023	9.5	2022-2023	-3.8%
2024	9.0	2023-2024	-5.2%
2029	7.6	CAGR 2024-2029	-15.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

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Source: Wharry Sharpe Research

# Hardboard Products Industry

## GROSS OPERATING SURPLUS

United Arab Emirates

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.8		
2018	1.9	2017-2018	7.2%
2019	1.5	2018-2019	-20.1%
2020	1.7	2018-2020	14.2%
2021	1.6	2020-2021	-6.4%
2022	1.5	2021-2022	-4.3%
2023	1.5	2022-2023	-3.8%
2024	1.4	2023-2024	-5.2%
2029	1.2	CAGR 2024-2029	-15.4%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$9.5 million dollars in 2023 and to change by -3.8 percent from 2022 to 2023 in United Arab Emirates. The gross operating surplus will be \$9.0 million dollars in 2024 and is forecast to change by -5.2 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

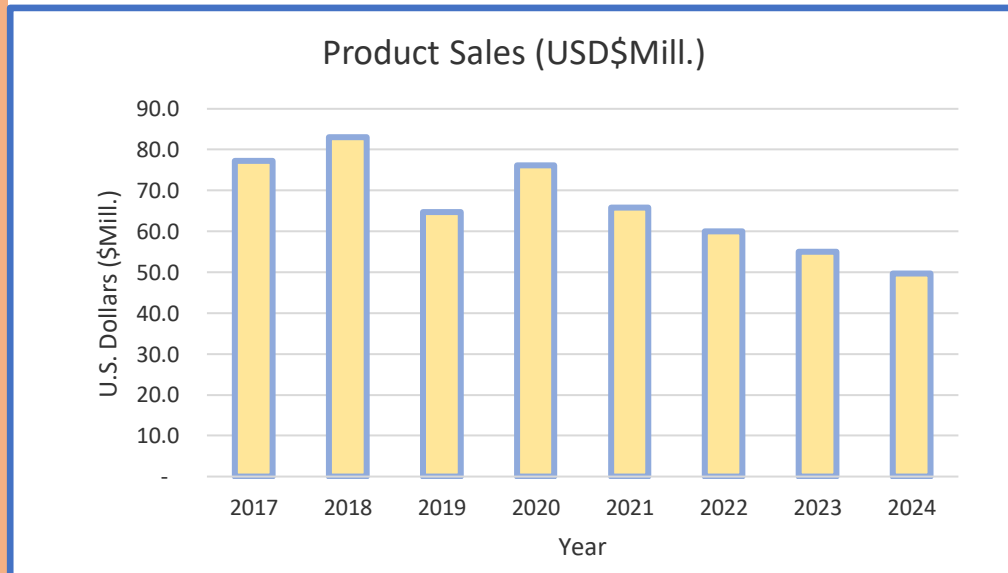
## PRODUCTS SALES

United Kingdom

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	77.3		
2018	83.0	2017-2018	7.4%
2019	64.7	2018-2019	-22.1%
2020	76.1	2019-2020	17.7%
2021	65.9	2020-2021	-13.5%
2022	60.0	2021-2022	-8.9%
2023	55.1	2022-2023	-8.3%
2024	49.7	2023-2024	-9.8%
2029	33.8	CAGR 2024-2029	-32.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$55.1 million dollars in 2023 and to change by -8.3 percent from 2022 to 2023 in United Kingdom. The product markets will be \$49.7 million dollars in 2024 and is forecast to change by -9.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

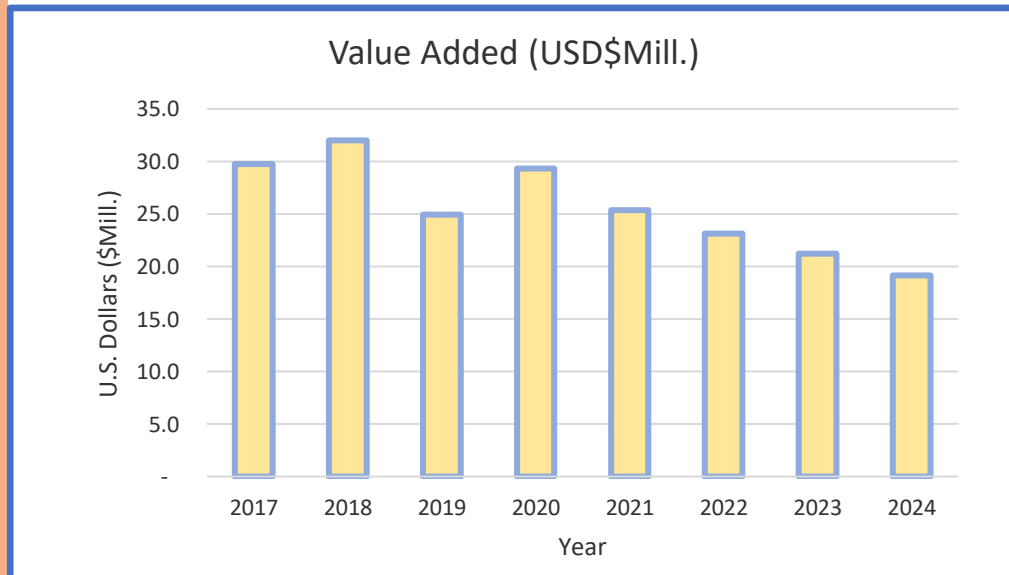
## VALUE ADDED

United Kingdom

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	29.8		
2018	32.0	2017-2018	7.4%
2019	24.9	2018-2019	-22.1%
2020	29.3	2019-2020	17.7%
2021	25.4	2020-2021	-13.5%
2022	23.1	2021-2022	-8.9%
2023	21.2	2022-2023	-8.3%
2024	19.1	2023-2024	-9.8%
2029	13.0	CAGR 2024-2029	-32.0%

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The Hardboard Products Industry value added will be \$55.1 million dollars in 2023 and to change by -8.3 percent from 2022 to 2023 in United Kingdom. The value added will be \$49.7 million dollars in 2024 and is forecast to change by -9.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research



# Hardboard Products Industry

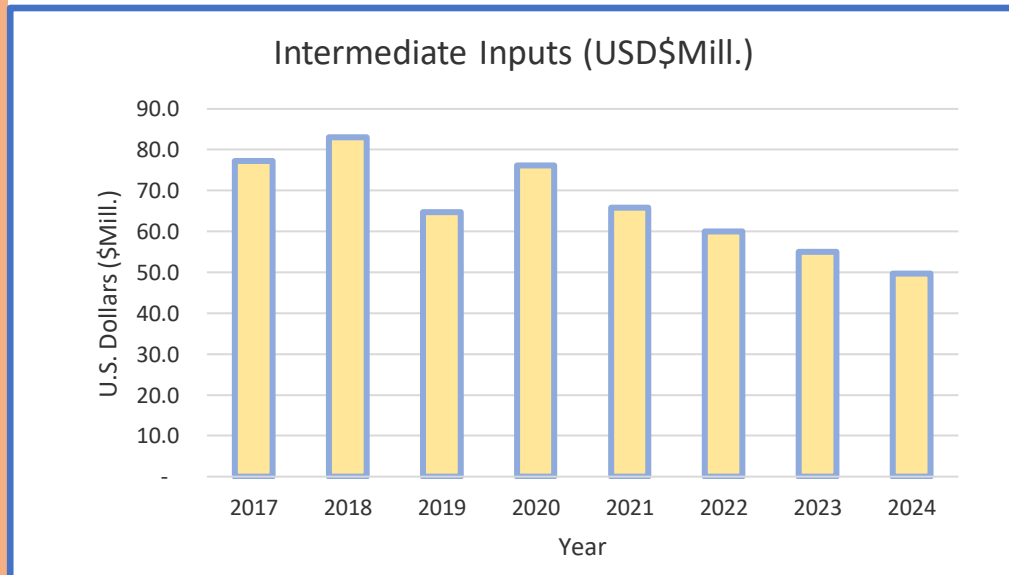
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	77.3		
2018	83.0	2017-2018	7.4%
2019	64.7	2018-2019	-22.1%
2020	76.1	2018-2020	17.7%
2021	65.9	2020-2021	-13.5%
2022	60.0	2021-2022	-8.9%
2023	55.1	2022-2023	-8.3%
2024	49.7	2023-2024	-9.8%
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Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

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# Hardboard Products Industry

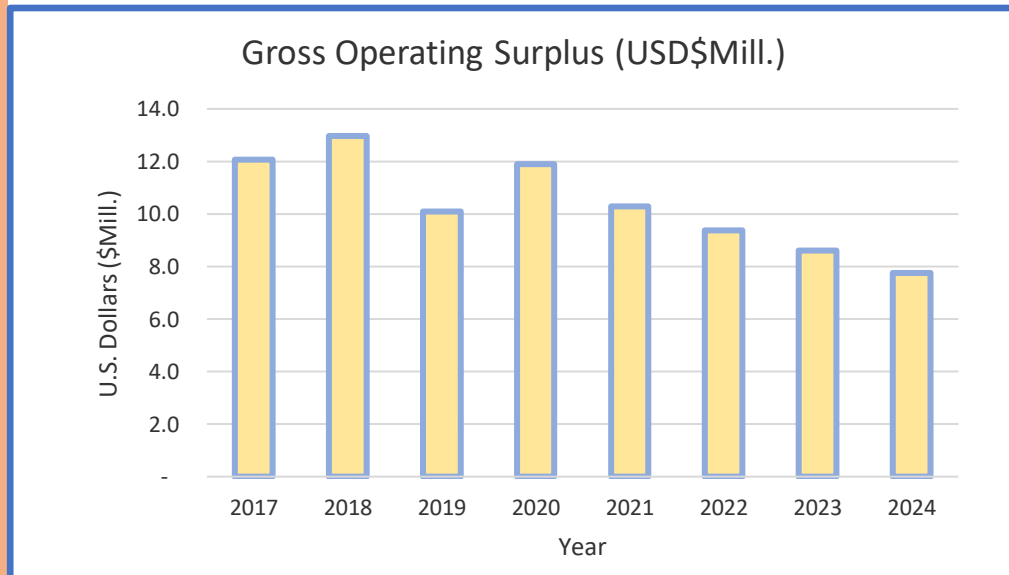
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	12.1		
2018	13.0	2017-2018	7.4%
2019	10.1	2018-2019	-22.1%
2020	11.9	2018-2020	17.7%
2021	10.3	2020-2021	-13.5%
2022	9.4	2021-2022	-8.9%
2023	8.6	2022-2023	-8.3%
2024	7.8	2023-2024	-9.8%
2029	5.3	CAGR 2024-2029	-32.0%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

United Kingdom

The Hardboard Products Industry gross operating surplus will be \$55.1 million dollars in 2023 and to change by -8.3 percent from 2022 to 2023 in United Kingdom. The gross operating surplus will be \$49.7 million dollars in 2024 and is forecast to change by -9.8 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

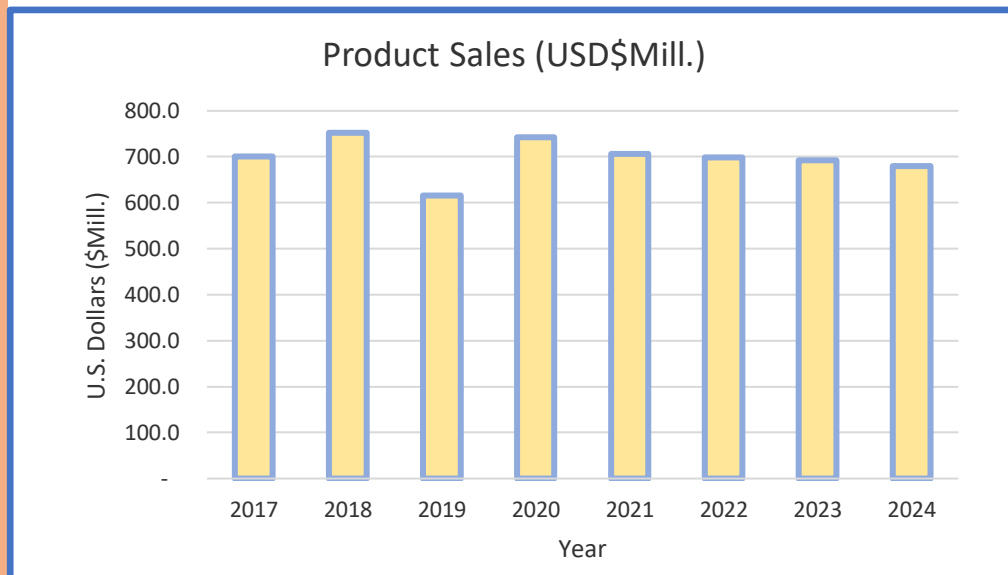
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	701.2		
2018	751.5	2017-2018	7.2%
2019	616.3	2018-2019	-18.0%
2020	742.3	2019-2020	20.5%
2021	705.6	2020-2021	-4.9%
2022	698.6	2021-2022	-1.0%
2023	693.0	2022-2023	-0.8%
2024	679.1	2023-2024	-2.0%
2029	636.7	CAGR 2024-2029	-6.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$693.0 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in United States. The product markets will be \$679.1 million dollars in 2024 and is forecast to change by -2 percent from 2023 to 2024.

United States



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

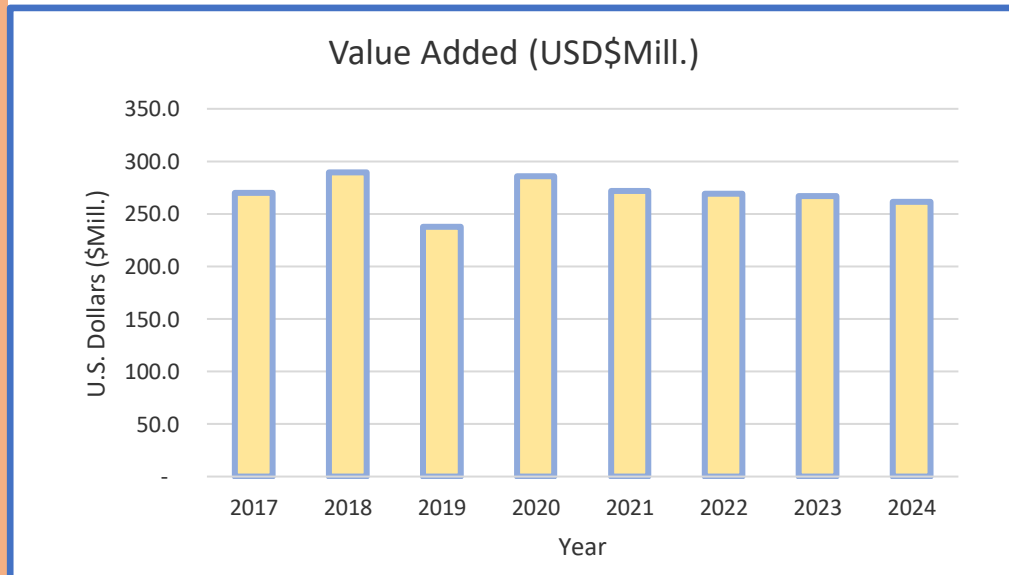
Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	270.2		
2018	289.6	2017-2018	7.2%
2019	237.5	2018-2019	-18.0%
2020	286.0	2019-2020	20.5%
2021	271.9	2020-2021	-4.9%
2022	269.2	2021-2022	-1.0%
2023	267.0	2022-2023	-0.8%
2024	261.7	2023-2024	-2.0%
2029	245.3	CAGR 2024-2029	-6.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry value added will be \$693.0 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in United States.

The value added will be \$679.1 million dollars in 2024 and is forecast to change by -2 percent from 2023 to 2024.

United States



Source: Wharry Sharpe Research

# Hardboard Products Industry

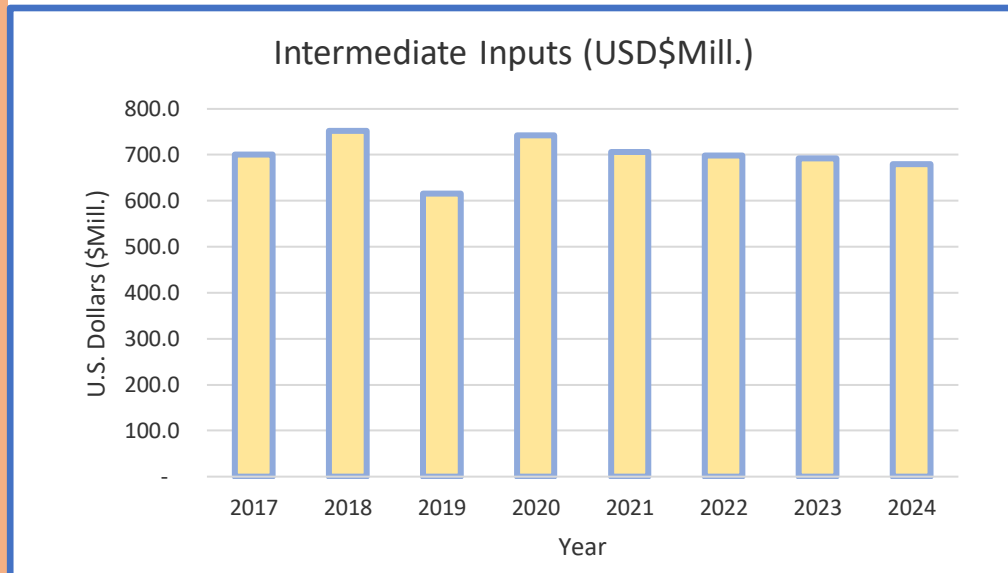
## INTERMEDIATE INPUTS

Intermediate Inputs (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	701.2		
2018	751.5	2017-2018	7.2%
2019	616.3	2018-2019	-18.0%
2020	742.3	2018-2020	20.5%
2021	705.6	2020-2021	-4.9%
2022	698.6	2021-2022	-1.0%
2023	693.0	2022-2023	-0.8%
2024	679.1	2023-2024	-2.0%
2029	636.7	CAGR 2024-2029	-6.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry intermediate inputs will be \$693.0 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in United States. The intermediate inputs will be \$679.1 million dollars in 2024 and is forecast to change by -2 percent from 2023 to 2024.

United States



Source: Wharry Sharpe Research

# Hardboard Products Industry

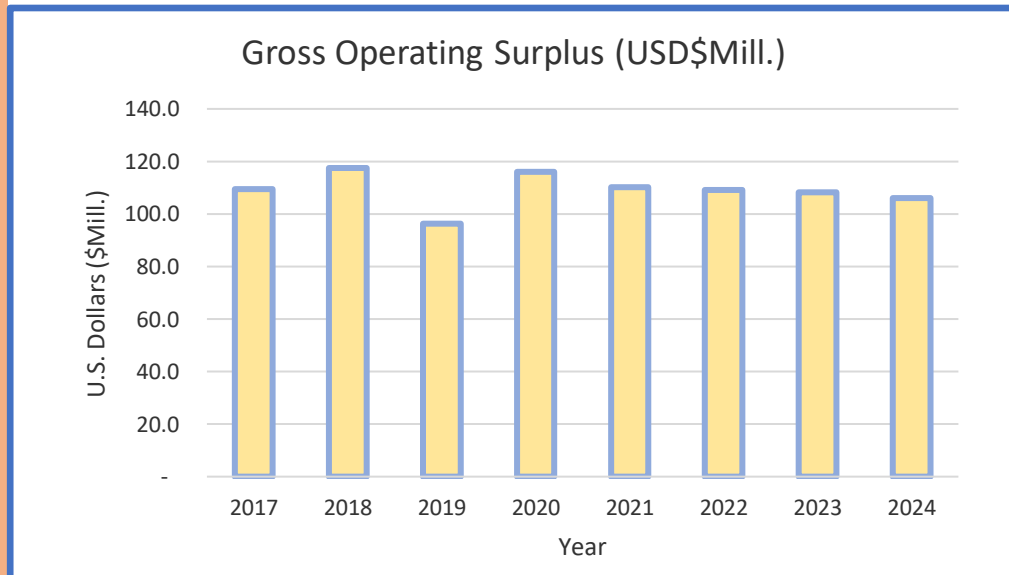
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	109.5		
2018	117.4	2017-2018	7.2%
2019	96.3	2018-2019	-18.0%
2020	116.0	2018-2020	20.5%
2021	110.2	2020-2021	-4.9%
2022	109.1	2021-2022	-1.0%
2023	108.3	2022-2023	-0.8%
2024	106.1	2023-2024	-2.0%
2029	99.5	CAGR 2024-2029	-6.2%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$693.0 million dollars in 2023 and to change by -0.8 percent from 2022 to 2023 in United States. The gross operating surplus will be \$679.1 million dollars in 2024 and is forecast to change by -2 percent from 2023 to 2024.

United States



Source: Wharry Sharpe Research

## Hardboard Products Industry

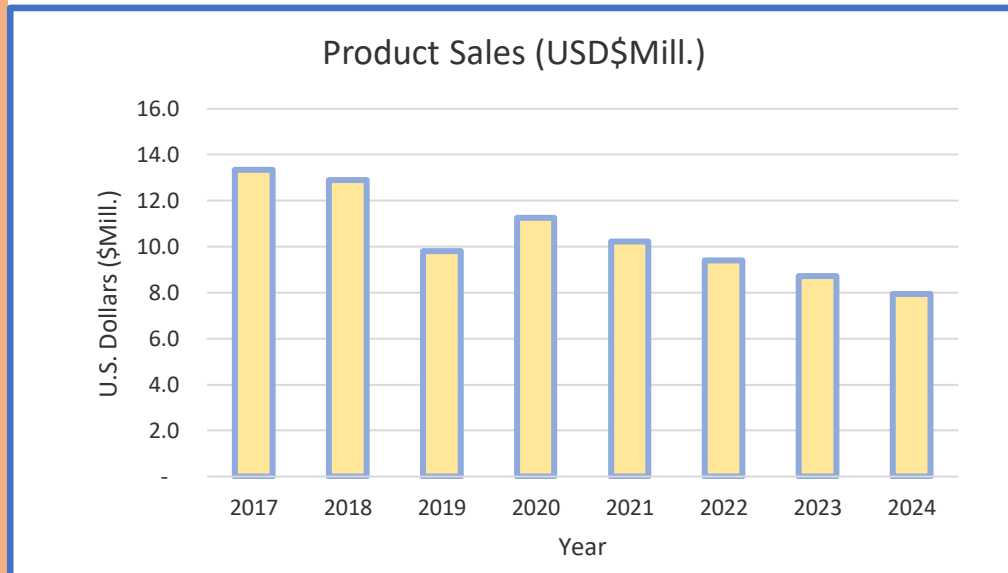
### PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.3		
2018	12.9	2017-2018	-3.4%
2019	9.8	2018-2019	-23.8%
2020	11.3	2019-2020	14.6%
2021	10.2	2020-2021	-9.0%
2022	9.4	2021-2022	-8.1%
2023	8.7	2022-2023	-7.2%
2024	7.9	2023-2024	-9.0%
2029	5.9	CAGR 2024-2029	-25.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry is forecast to be \$8.7 million dollars in 2023 and to change by -7.2 percent from 2022 to 2023 in Venezuela. The product markets will be \$7.9 million dollars in 2024 and is forecast to change by -9 percent from 2023 to 2024.

Venezuela



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	5.1		
2018	5.0	2017-2018	-3.4%
2019	3.8	2018-2019	-23.8%
2020	4.3	2019-2020	14.6%
2021	3.9	2020-2021	-9.0%
2022	3.6	2021-2022	-8.1%
2023	3.4	2022-2023	-7.2%
2024	3.1	2023-2024	-9.0%
2029	2.3	CAGR 2024-2029	-25.8%

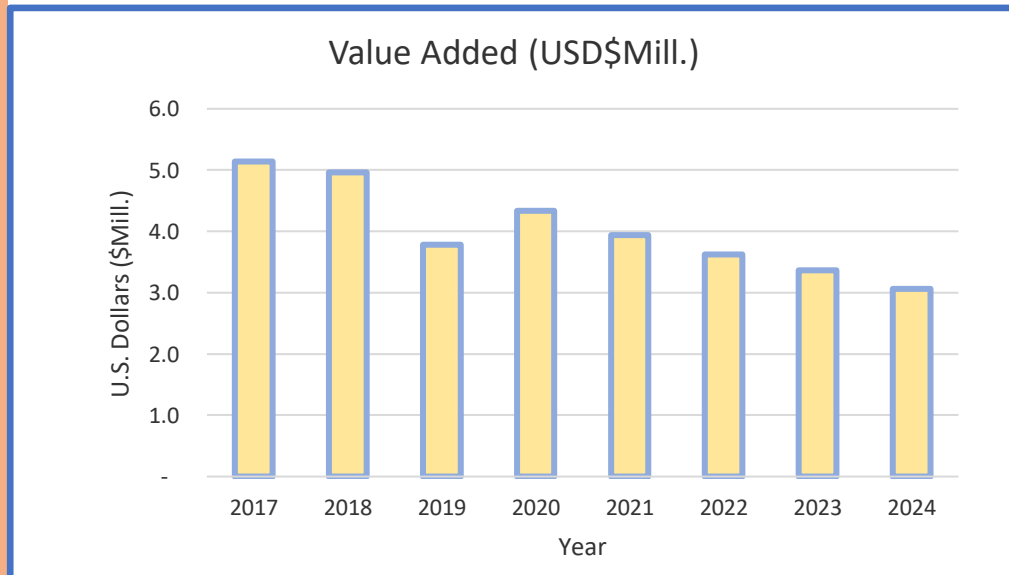
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry

value added will be \$8.7 million dollars in 2023 and to change by -7.2 percent from 2022 to 2023 in Venezuela.

The value added will be \$7.9 million dollars in 2024 and is forecast to change by -9 percent from 2023 to 2024.

Venezuela



Source: Wharry Sharpe Research



# Hardboard Products Industry

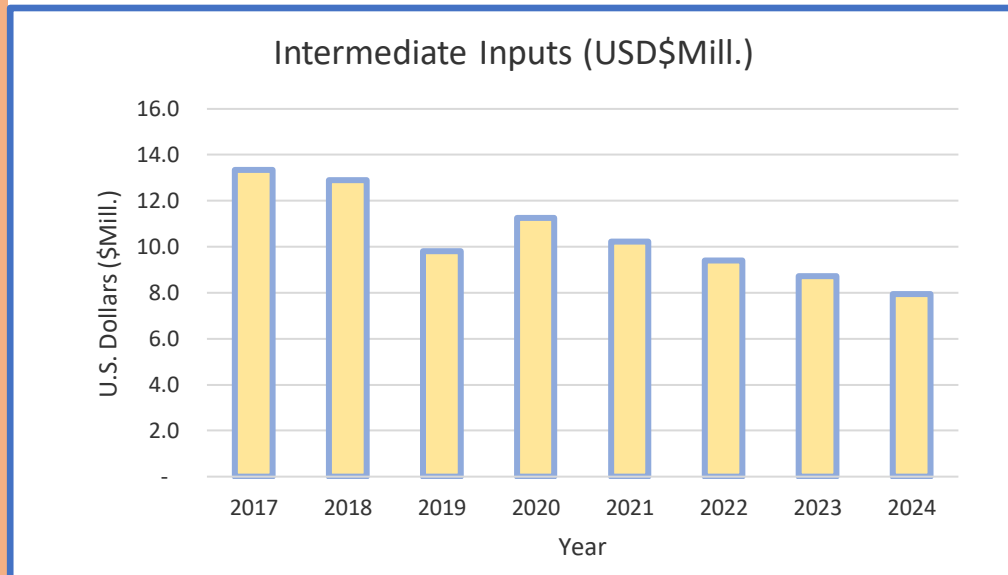
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	13.3		
2018	12.9	2017-2018	-3.4%
2019	9.8	2018-2019	-23.8%
2020	11.3	2018-2020	14.6%
2021	10.2	2020-2021	-9.0%
2022	9.4	2021-2022	-8.1%
2023	8.7	2022-2023	-7.2%
2024	7.9	2023-2024	-9.0%
2029	5.9	CAGR 2024-2029	-25.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry intermediate inputs will be \$8.7 million dollars in 2023 and to change by -7.2 percent from 2022 to 2023 in Venezuela. The intermediate inputs will be \$7.9 million dollars in 2024 and is forecast to change by -9 percent from 2023 to 2024.

Venezuela



Source: Wharry Sharpe Research

# Hardboard Products Industry

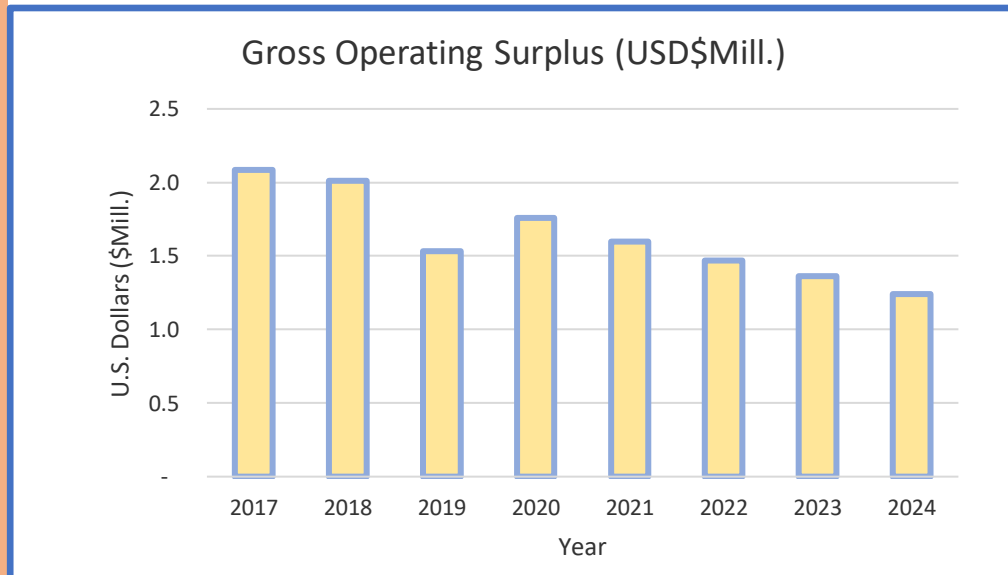
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	2.1		
2018	2.0	2017-2018	-3.4%
2019	1.5	2018-2019	-23.8%
2020	1.8	2018-2020	14.6%
2021	1.6	2020-2021	-9.0%
2022	1.5	2021-2022	-8.1%
2023	1.4	2022-2023	-7.2%
2024	1.2	2023-2024	-9.0%
2029	0.9	CAGR 2024-2029	-25.8%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

The Hardboard Products Industry gross operating surplus will be \$8.7 million dollars in 2023 and to change by -7.2 percent from 2022 to 2023 in Venezuela. The gross operating surplus will be \$7.9 million dollars in 2024 and is forecast to change by -9 percent from 2023 to 2024.

Venezuela



Source: Wharry Sharpe Research

# Hardboard Products Industry

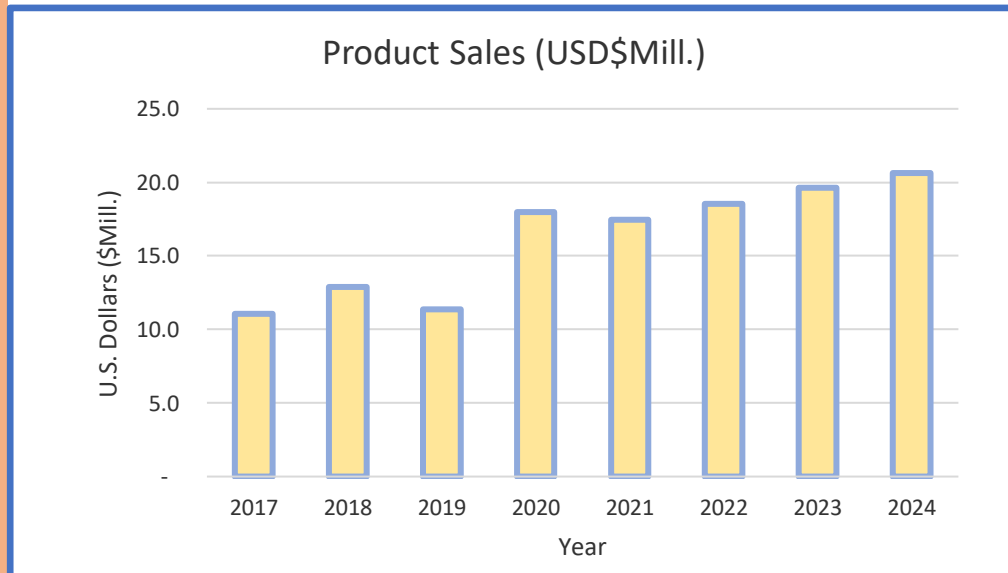
## PRODUCTS SALES

Year	Products Sales (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.1		
2018	12.9	2017-2018	16.3%
2019	11.4	2018-2019	-11.8%
2020	18.0	2019-2020	58.1%
2021	17.5	2020-2021	-2.8%
2022	18.5	2021-2022	6.2%
2023	19.6	2022-2023	5.8%
2024	20.6	2023-2024	5.1%
2029	25.5	CAGR 2024-2029	23.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Vietnam

The Hardboard Products Industry is forecast to be \$19.6 million dollars in 2023 and to change by 5.8 percent from 2022 to 2023 in Vietnam. The product markets will be \$20.6 million dollars in 2024 and is forecast to change by 5.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## VALUE ADDED

Year	Value Added (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	4.3		
2018	5.0	2017-2018	16.3%
2019	4.4	2018-2019	-11.8%
2020	6.9	2019-2020	58.1%
2021	6.7	2020-2021	-2.8%
2022	7.1	2021-2022	6.2%
2023	7.6	2022-2023	5.8%
2024	7.9	2023-2024	5.1%
2029	9.8	CAGR 2024-2029	23.6%

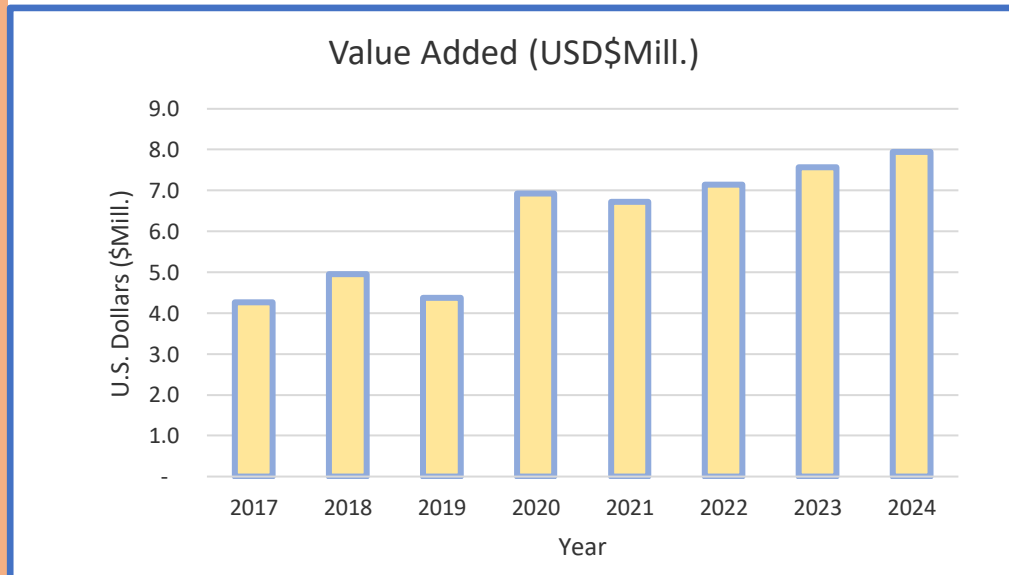
Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Vietnam

The Hardboard Products Industry

value added will be \$19.6 million dollars in 2023 and to change by 5.8 percent from 2022 to 2023 in Vietnam.

The value added will be \$20.6 million dollars in 2024 and is forecast to change by 5.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

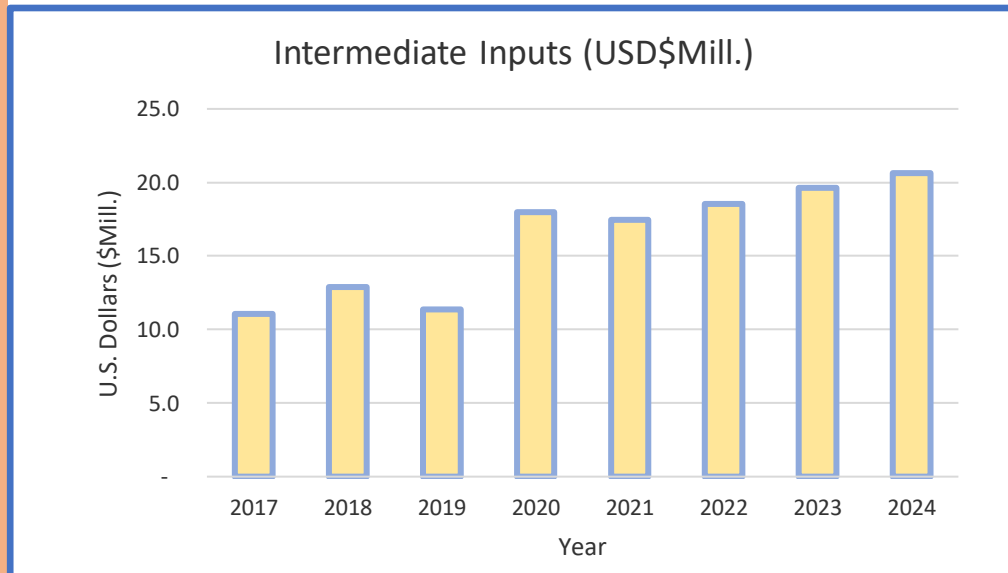
## INTERMEDIATE INPUTS

Year	Intermediate Inputs (USD\$Mill.)		
	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	11.1		
2018	12.9	2017-2018	16.3%
2019	11.4	2018-2019	-11.8%
2020	18.0	2018-2020	58.1%
2021	17.5	2020-2021	-2.8%
2022	18.5	2021-2022	6.2%
2023	19.6	2022-2023	5.8%
2024	20.6	2023-2024	5.1%
2029	25.5	CAGR 2024-2029	23.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Vietnam

The Hardboard Products Industry intermediate inputs will be \$19.6 million dollars in 2023 and to change by 5.8 percent from 2022 to 2023 in Vietnam. The intermediate inputs will be \$20.6 million dollars in 2024 and is forecast to change by 5.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

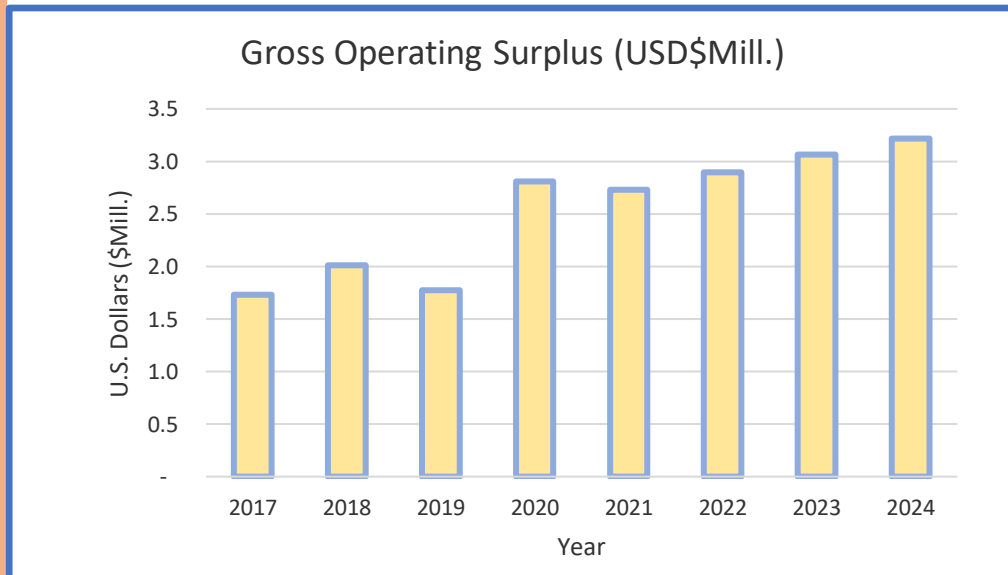
## GROSS OPERATING SURPLUS

Gross Operating Surplus (USD\$Mill.)			
Year	US Dollars	Y-to-Y Change	Y-to-Y Change
2017	1.7		
2018	2.0	2017-2018	16.3%
2019	1.8	2018-2019	-11.8%
2020	2.8	2018-2020	58.1%
2021	2.7	2020-2021	-2.8%
2022	2.9	2021-2022	6.2%
2023	3.1	2022-2023	5.8%
2024	3.2	2023-2024	5.1%
2029	4.0	CAGR 2024-2029	23.6%

Historical actual data are 2017-2021, forecasts are 2022-2023, and projections are 2024-2029.

Vietnam

The Hardboard Products Industry gross operating surplus will be \$19.6 million dollars in 2023 and to change by 5.8 percent from 2022 to 2023 in Vietnam. The gross operating surplus will be \$20.6 million dollars in 2024 and is forecast to change by 5.1 percent from 2023 to 2024.



Source: Wharry Sharpe Research

# Hardboard Products Industry

## APPENDIX

### Primary Data Sources for Global Products Markets Outlook reports

#### U.S. Economic Census

General Definition From U.S. Census

Every five years, the U.S. Census Bureau collects extensive statistics about businesses that are essential to understanding the American economy. This official count, better known as the Economic Census, serves as the foundation for the measurement of U.S. businesses and their economic impact. As part of the Census Bureau's mission to provide timely information on the health of the U.S. economy, this "business" census serves as the most extensive collection of data related to business activity. Nearly 4 million business locations, large, medium, and small, covering most industries and all geographic areas of the United States will receive surveys tailored to their primary business activity.

#### U.S. County Business Patterns

General Definition From U.S. Census

County Business Patterns (CBP) is an annual series that provides subnational economic data by industry. This series includes the number of establishments, employment during the week of March 12, first quarter payroll, and annual payroll. This data is useful for studying the economic activity of small areas; analyzing economic changes over time; and as a benchmark for other statistical series, surveys, and databases between economic censuses. Businesses use the data for analyzing market potential, measuring the effectiveness of sales and advertising programs, setting sales quotas, and developing budgets. Government agencies use the data for administration and planning.

#### Supply of Commodities/Use of Commodities

General Definition From U.S. Bureau of Economic Analysis

In the economy, the total supply of commodities that are available for use are primarily those that are produced by domestic industry. However, additional commodities enter the supply as imports or as net withdrawals from inventory. The commodities that make up supply are disbursed either for intermediate use by industries to produce other commodities or for final use. Transactions span the broad range of these activities and involve both the derivation and the use of the supply of commodities. Examples of transactions include the following: Shipments of processed steel from the steel industry to automotive plants, exports of grain to foreign countries, withdrawals of petroleum from inventory, sales of appliances to consumers, payments of wages and salaries to employees, and payments of property taxes by businesses. In the real world, commodities are generally carried by some mode of transportation from the producer or importer to a wholesaler (and in the case of consumer goods, through a retailer) and then to the purchaser. Transactions show the direct flow of goods or services to users, but they do not explicitly show the flows through transportation and trade channels. For example, the sale of a washing machine to a consumer is shown as a transaction between the producer and the consumer.

Within final uses, transactions represent either a use of commodities or a part of the supply of commodities, depending on the type of final use. PCE, PFI, and government represent the use of commodities for either consumption or investment.

The domestic supply is the supply of commodities available to be consumed within the United States. It is equal to domestic output (in basic value) plus imports and sales from final uses minus exports and change in private inventories. In order to estimate the domestic supply of a commodity, it is necessary to estimate the detailed transactions for inventories, exports, imports, and sales of scrap and used goods.