



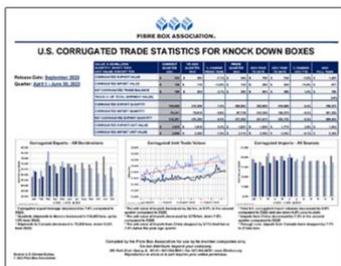
FIBRE BOX ASSOCIATION®

Fibre Box Association (FBA) Data Services Reports

Since 1940, FBA has provided the corrugated industry with meaningful information about shipments, containerboard production, consumption, and inventory. In addition, FBA has added valuable benchmarking reports through the years, including the Key Performance Indicators (KPI) Survey, Sheet Plant Operating Ratio Survey, and Productivity and Waste Survey. Additionally, FBA offers reports that provide top-line data and news on industry hot topics, including e-commerce and labor, and information on the efforts of companies and government organizations worldwide to reduce single-use plastics.

But, like the numbers, reports don't remain static. FBA is continually working to enhance the data we provide to our members. Below is a brief description of each of the reports we offer:

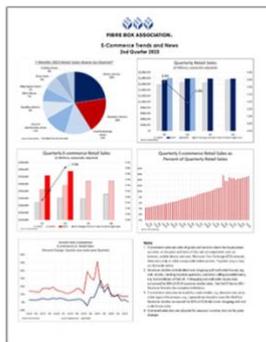
Production



Corrugated Trade Report for Knock Down Boxes

The *Corrugated Trade Report for Knock Down Boxes* provides corrugated trade statistics and analysis, including key messages about the data in a bullet point format, on a quarterly basis.

International trade of corrugated packaging makes a significantly positive contribution to the U.S. balance of trade. The Corrugated Trade Report was created to allow members to monitor trends in this growing segment of the corrugated market.



E-Commerce Trends and News

The *E-Commerce Trends and News* report provides top-line data and news on U.S. e-commerce activity in the form of charts, graphs and links to relevant information from the U.S. Census Bureau and media outlets.

Issued quarterly, the report includes charts and graphs on retail sales by channel, quarterly retail sales, quarterly e-commerce retail sales, quarterly e-commerce retail sales as a percent of quarterly retail sales, and a growth rate comparison between e-commerce and retail sales. In addition, gathered news from each quarter is summarized with links to articles and other information.



Economic Trends and Outlook for Corrugated Products

The *Economic Trends and Outlook for Corrugated Products* report contains both a U.S. and Canadian economic overview and information about several box consuming markets. Information is available for end-use markets such as meat and poultry, produce, dairy, cereals, beverages, and other food products plus durables and other non-durable goods. The report also includes a view of economic activity in each of the six FBA reporting areas.

The report, published twice a year in February/March and July/August, is produced exclusively for FBA by G&W Services Inc. and is only available to FBA members. Opinions and forecasts expressed in the report are those of G&W Services Inc. and do not necessarily reflect the views of FBA.



International Corrugated Packaging Industry Statistics

The *Worldwide Corrugated Packaging Industry Statistics Report* shows corrugated production/shipments by country and region as compiled by the International Corrugated Case Association (ICCA), of which FBA is a member.



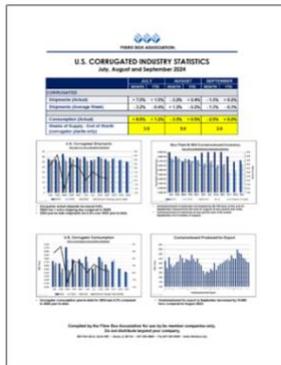
North American Containerboard Demand Report

The *North American Containerboard Demand Report* provides data for Canadian and U.S. production, shipments, inventory and apparent demand for containerboard as data points and graphs. The report is provided through cooperation with the American Forest and Paper Association (AF&PA) and Paper Packaging Canada (PPC) and is issued quarterly to FBA members.



North American Corrugated Industry Bulletin

The *North American Corrugated Industry Bulletin* provides data for Canadian and U.S. shipments, consumption and inventory as data points and graphs. The report is being provided in cooperation with the Canadian Corrugated Containerboard Association (CCCA) and is issued quarterly to FBA members.



U.S. Corrugated Industry Statistics (Quarterly Report)

The *U.S. Corrugated Industry Statistics* reports data on MSF shipments for the total industry broken down by the 25 FBA regions within 6 FBA reporting areas. The report also includes data on dollar value and price indexes, as well as containerboard consumption, inventory, and mill production. Data is included for each month and year-to-date compared to the previous year.

The report includes graphs with accompanying key message bullet points on U.S. corrugated shipments, U.S. corrugated box exports, U.S. month-end containerboard inventories, box shipments vs. U.S. production of non-durable goods, purchasing managers' index, purchasing managers' new orders index, industrial production of non-durable consumer goods, box shipments per unit of U.S. industrial production, non-durable goods trade deficit, inventory/sales ratios, and U.S. exports of non-durable goods.

**FIBRE BOX ASSOCIATION
FBA MEMBER STATISTICAL BULLETIN
for December 2022
AREAS SHIPMENTS**
Millions of Square Feet

Statistical Bulletin

The *Statistical Bulletin* provides a one-page summary of the statistical report.



Industry Annual Report

The Annual Report provides data on U.S. corrugated industry statistics and trend data for the following categories:

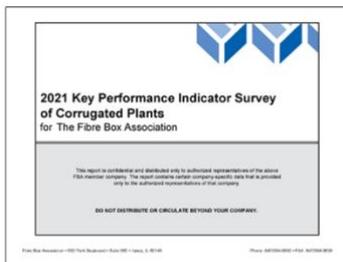
- Shipments according to value, area, type of plant, and North American Industry Classification System (NAICS)
- Corrugated production by board type and basis weight
- Containerboard production, consumption, and inventory

SHIPMENTS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)
2022

North American Industry Classification System (NAICS)

The *North American Industry Classification System (NAICS)* is the standard used by federal statistical agencies in classifying business establishments and captures business activity across North America. FBA requests NAICS shipment data from members annually. The report is used for the FBA Industry Annual Report and all Forecast Reports.

Benchmarking



Key Performance Indicator Survey (KPI)

The *Key Performance Indicator Survey (KPI)* is a highly-valued benchmarking survey which includes data on sales/costs/profit ratio, capital, receivables, fixed assets, inventories and other key operating statistics at the corrugated plant level.

The report includes participation from approximately 500 plants.



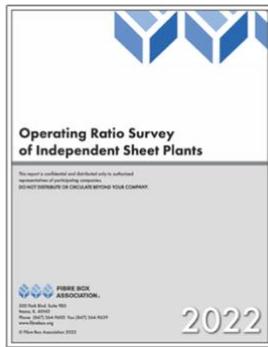
Productivity & Waste Survey

The *Productivity & Waste Survey* provides useful benchmarking data on productivity, waste and starch consumption, and offers the best-in-class data for users to compare operations.

Participating companies are surveyed on their machinery, labor operations and waste. The Survey contains a summary and detailed report broken down by U.S. plants and by all other countries for:

- converting equipment
- reporting on basis weight, starch consumption & total plant productivity
- equipment listings by plant

Data is further segmented by machinery size in the following major finishing equipment categories: flexo-folder gluers; rotary die-cutters; and printers.

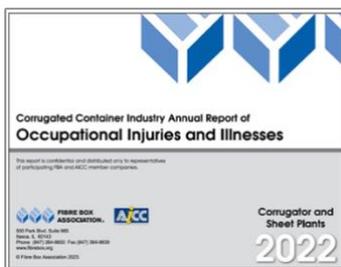


Independent Sheet Plant Operating Ratio Survey (SPORS)

The *Independent Sheet Plant Operating Ratio Survey* provides participants with information that can be used to benchmark their operations against other facilities. The output report is available in three different formats: actual dollars, dollars per MSF and percentage of net sales and contains a section with fulfillment center and/or warehouse breakouts.

The report also includes plant annual sales history for the past five years. All data is de-identified and only available to participating members.

Safety



Occupational Injuries & Illnesses Report (OII)

The Occupational Injuries and Illnesses report is a compilation of recordable employee injury and illness data for corrugator and sheet plants. Available only to participating members, the report is divided into two sections: the first presents data on sheet plants by category of hours worked and the second presents data on corrugator plants by category of hours worked.

The data in this report determines the annual FBA/AICC Safety Award winners. Annual Safety Awards are presented to those facilities having the lowest total case incidence rate for the preceding calendar year in five sheet plant and nine corrugator plant categories. Safety Excellence Awards are also presented to all sheet plant or corrugator facilities that attain a zero lost workday case (lost work days only) incidence rate during the calendar year.

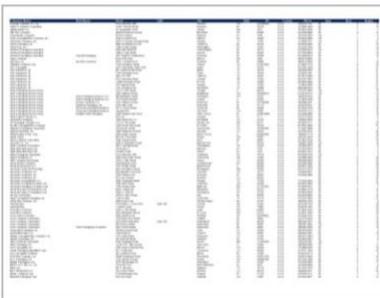
Labor



Labor Trends and News

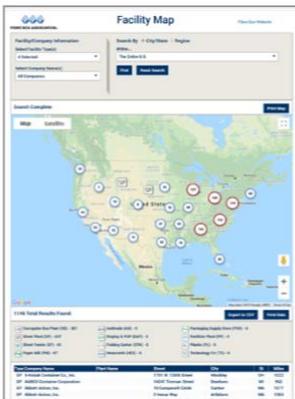
The *Labor Trends and News Report* provides top-line data and news on U.S. labor-related activity. Issued quarterly, the report includes gathered news summarized with links to articles and other pertinent organizations and websites.

Informational



North American Directory of Corrugated Plants (online)

The *North American Directory of Corrugated Plants* lists companies and their related plant facilities that manufacture corrugated and solid fiber paperboard products in North America. The directory is formatted in an Excel spreadsheet, and includes type of plant, complete address and phone number.



Interactive Facility Map (online)

The interactive facility map offers information for industry facilities located in the United States. Members can search by type of facility, company, geographic location and by FBA region. The interactive map is linked to the FBA database and updated in real time. Current data includes all sheet plants, sheet feeders, corrugator box plants and paper mills. FBA is also working to add to our database other types of facilities including Asitrade operators, display & POPs, folding carton plants, Hexacomb plants, packaging supply stores, partition plants, plastic plants and technology centers.

Market Data	
<p>The Box Association (FBA) wants to thank our members for their input on the Market Data. Each month we highlight information. We pull information from a variety of sources to provide you with the most current and the most relevant information from the U.S. Census. Please find the latest Quarterly Commerce Report from the U.S. Census Bureau.</p>	
2023	
<ul style="list-style-type: none"> January - Market Supplement/Adaptations February - Tree Nuts March - Agricultural Equipment April - Sporting Equipment/Goods May - Baby Products June - Outdoor Gear 	<ul style="list-style-type: none"> July - Paper-Based Packaging for Liquids August - BC Units September - Homecoming / Outdoors October - Pans
2022	
<ul style="list-style-type: none"> January - Vitamin and Supplement Market February - Consumer Returns March - Cakes and Baking April - Recreational Boating May - Multigrains June - Candy and Confections 	<ul style="list-style-type: none"> July - Electric Lawn and Garden August - Snack Market September - Flu/Phy October - B2B November - Non-Alcoholic Beverages/Multibuy December - Micro-mobility
2021	
<ul style="list-style-type: none"> January - Lithium-Ion Batteries February - Blenders March - Wine Strainers April - Purses/Totes May - Wireless Products June - Fashion and Apparel 	<ul style="list-style-type: none"> July - Seafood August - Paper-Based Dairy September - Supply Chain and Repricing October - Alternative Packaging Materials November - Turkeys December - Pears
2020	
<ul style="list-style-type: none"> January - Dairy February - CBD Hemp Packaging March - Consumer Skin Care April - Paper Products 	<ul style="list-style-type: none"> July - Re-Shoring/Supply Chain Risk August - Personal Care and Hygiene September - Back to School Supplies October - Vaccine Distribution

Market Data (online)

Each month FBA highlights a different end-use market segment, offering current news and developments with links to further information. We pull information from a variety of sources so members can see the overall picture on the market segments that might affect their business.

REDUCING PLASTIC					
Company	Link	Notes to other	Notes	Sustainability Report/Policy	Page #
Amazon	https://www.amazon.com/commitment-to-reduce-plastic-wrapping	Amazon.com	looking for all our packaging to be reusable, recyclable or biodegradable by 2030.	https://www.amazon.com/commitment-to-reduce-plastic-wrapping	1
Apple	https://www.apple.com/planet/our-planet	Apple.com	Apple is making 100% of its packaging made from recycled, reusable or compostable materials by 2025.	https://www.apple.com/planet/our-planet	1
Google	https://www.google.com/sustainability/our-planet	Google.com	Google is making 100% of its packaging made from recycled, reusable or compostable materials by 2025.	https://www.google.com/sustainability/our-planet	1
Microsoft	https://www.microsoft.com/sustainability/our-planet	Microsoft.com	Microsoft is making 100% of its packaging made from recycled, reusable or compostable materials by 2025.	https://www.microsoft.com/sustainability/our-planet	1
IBM	https://www.ibm.com/sustainability/our-planet	IBM.com	IBM is making 100% of its packaging made from recycled, reusable or compostable materials by 2025.	https://www.ibm.com/sustainability/our-planet	1

Plastic Reduction Effort

Many companies and government organizations around the world have committed to the reduction of single-use plastics as part of their sustainability goals. FBA has created a spreadsheet (updated monthly) with detailed information on the plastic reduction effort.

Coming Soon



Facility Announcements

FBA will track facility changes quarterly in the informational section of the website.