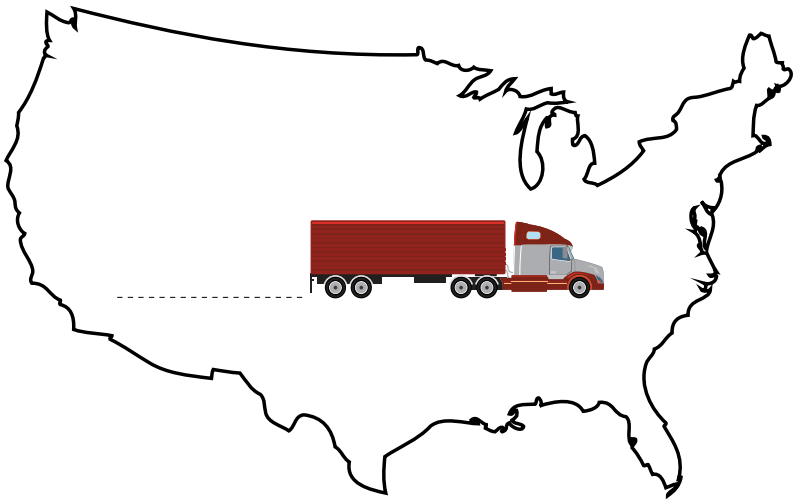


FIBRE BOX ASSOCIATION®

www.fibrebox.org

What do you know about corrugated boxes and the corrugated packaging industry?

The Fibre Box Association (FBA) has put together this collection of conversation starters to help you generate conversations about corrugated products and the corrugated packaging industry. Use them with employees, customers, retailers, environmental groups and friends. Talk it up and help spread the good word about corrugated.



38 billion packages safely deliver goods, like food, beverages, clothing and other household items to Americans each year.

RESOURCES:

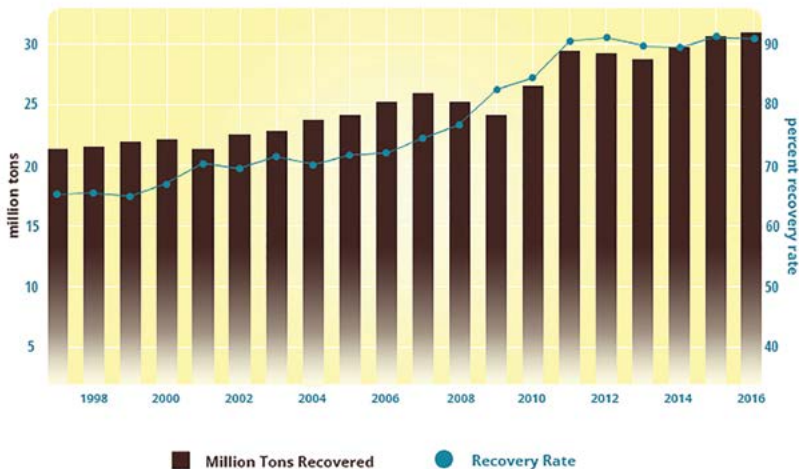
- Annual corrugated box shipments are published by the Fibre Box Association. Historical data dates to the association's founding in 1940. Data can be found on FBA's website, www.fibrebox.org.



Corrugated is made from renewable resources – trees – in managed forests that are planted, grown, and harvested responsibly to protect the environment.

RESOURCES:

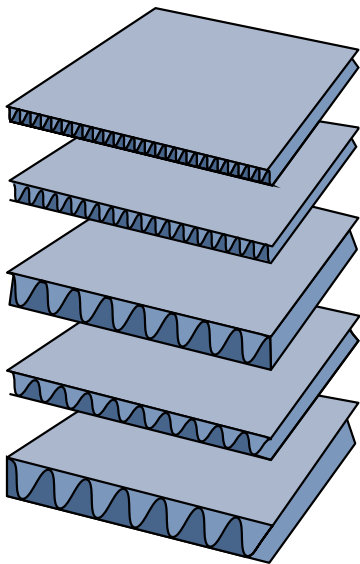
- As a condition of membership, all American Forest & Paper Association (AF&PA) members must procure their raw materials from well-managed forests. See the AF&PA website, www.afandpa.org, for more information.
- The sustainability initiative, *Better Practices, Better Planet 2020*, includes one of the most extensive sets of quantifiable goals of any manufacturing industry. Results to date are recorded in AF&PA's 2016 Sustainability Report, http://sustainability.afandpa.org/wp-content/uploads/2017/02/AFPA-2016-Sustainability-Report_FINAL.pdf.



Corrugated is the most recycled packaging material. Corrugated Recycles @ 93% in 2016.

RESOURCES:

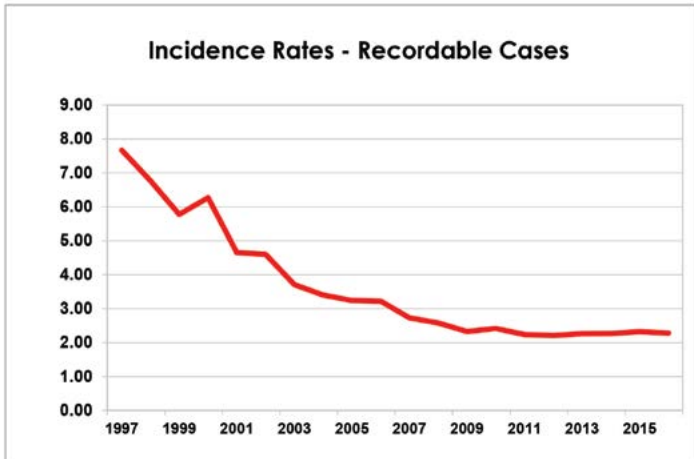
- Statistics on the recovery rate of corrugated since 1993 can be found at [www.paperrecycles.org/statistics/recovery-use-of-old-corrugated-containers-\(occ\)](http://www.paperrecycles.org/statistics/recovery-use-of-old-corrugated-containers-(occ)).
- The Environmental Protection Agency's (EPA) 2012 Municipal Solid Waste Characterization Study lists material recovery of corrugated – 90.9%, paper-based packaging – 76.1%, aluminum – 38.0%, glass – 34.1% and plastics – 13.8%. The full report can be found on the EPA website, www.epa.gov/wastes/nonhaz/municipal/msw99.htm.



The corrugated industry uses several flute sizes and many combinations of board to produce corrugated boxes specific to a product's size and weight.

RESOURCES:

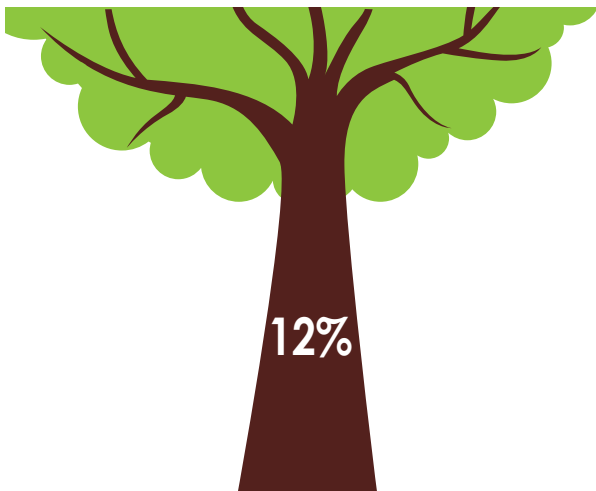
- The Fibre Box Handbook is widely viewed as the corrugated industry's most comprehensive resource publication. The latest 75th Anniversary edition can be ordered through the FBA Store at www.fibrebox.org/Store.



Corrugated manufacturers are committed to safe work environments. The overall incidence rate has followed a steady trend of decline for the past 20 years – the 2016 overall incidence rate was 2.30 for over 152 million hours worked at 689 plants.

RESOURCES:

- Each year, the Fibre Box Association publishes the *Corrugated Container Industry Annual Report of Occupational Injuries and Illnesses*. While only available to participants, summary information can be found on the FBA website, www.fibrebox.org.

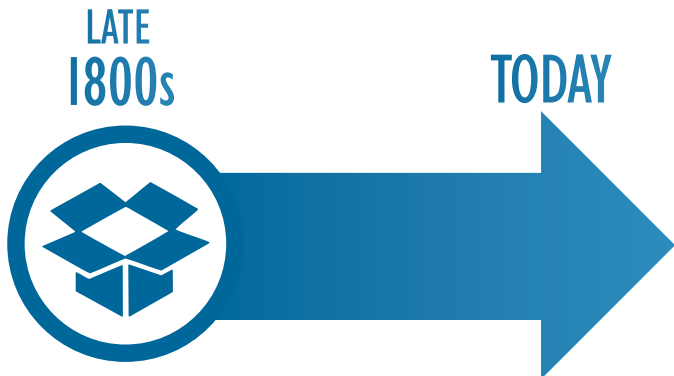


In the U.S., forests and forest products store enough carbon each year to offset approximately 12% of the nation's CO₂ emissions.

RESOURCES:

- *Responsibility Starts Here.* is a collection of top line messages about the sustainability of the corrugated industry. The brochure can be found online at www.corrugated.org or ordered through the FBA store, www.fibrebox.org/Store.
- Find forest facts on the American Forest & Paper Association (AF&PA) website, www.afandpa.org/our-industry/fun-facts.

The first corrugated boxes were manufactured in the late 1800's.



More than 100 years later, it's still cost-effective, lightweight, functional, versatile, and the most frequently used shipping container.

RESOURCES:

- An historical timeline of corrugated packaging can be found on the Corrugated Packaging Alliance website, www.corrugated.org and in the pages of the Fibre Box Handbook available for purchase at the FBA store, www.fibrebox.org/Store.
- Box shipment statistics dating to the association's founding in 1940 can be found on FBA's website, www.fibrebox.org.

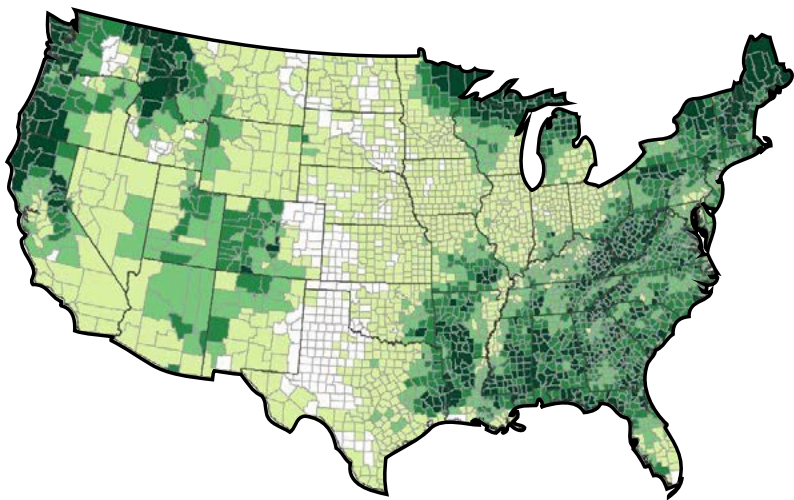


Corrugated Recycles

The *Corrugated Recycles* symbol, found on the bottom of most boxes produced today, was developed by Fibre Box Association (FBA) members in 1994 aiding the rise of recovery from 54% in 1993 to 93% in 2016.

RESOURCES:

- In May of 2012, Fibre Box Association (FBA) published a blog post recounting the origins of the Corrugated Recycles symbol. This and other blog posts about the industry can be found on the FBA website, www.fibrebox.org/news.



For the past 100 years, total U.S. forest area has been stable at about 750 million acres and actually grew by 2 million acres from 2000 to 2005.

RESOURCES:

- The most recent facts about the sustainability of our nation's forests can be found in the National Report on Sustainable Forests – 2010, at www.fs.fed.us/research/sustain/ on the United States Department of Agriculture (USDA) Forest Service website, www.fs.fed.us.



51 recyclable wax alternatives are certified, commercially-available and registered with FBA for repulpability and recyclability.

RESOURCES:

- The test protocol: Voluntary Standard for Repulping and Recycling Corrugated Fiberboard Treated to Improve Its Performance in the Presence of Water and Water Vapor can be found at www.corrugated.org/upload/CPA/Documents/Vol_Std_Protocol_2013.pdf.
- A listing of approved testing labs can be found at www.corrugated.org/ViewPage.aspx?ContentID=42.



More than 65% of the energy needed to produce paper products is derived from carbon-neutral biomass fuel.

RESOURCES:

- The American Forest & Paper Association (AF&PA) tracks energy use at industry facilities. Information about energy use can be found on their website, www.afandpa.org/issues/energy.



**The average corrugated box contains
48% recycled content.**

RESOURCES:

- The FBA website, www.fibrebox.org, is your link to quickly accessing easy to use facts about the corrugated industry anytime, anywhere. *FBA Fast Facts* one-page document can be downloaded from the home page.



In 1970, a corrugated company called Container Corporation of America (CCA) introduced the world to the familiar “chasing arrows” universally recognized as a recycling symbol today.

RESOURCES:

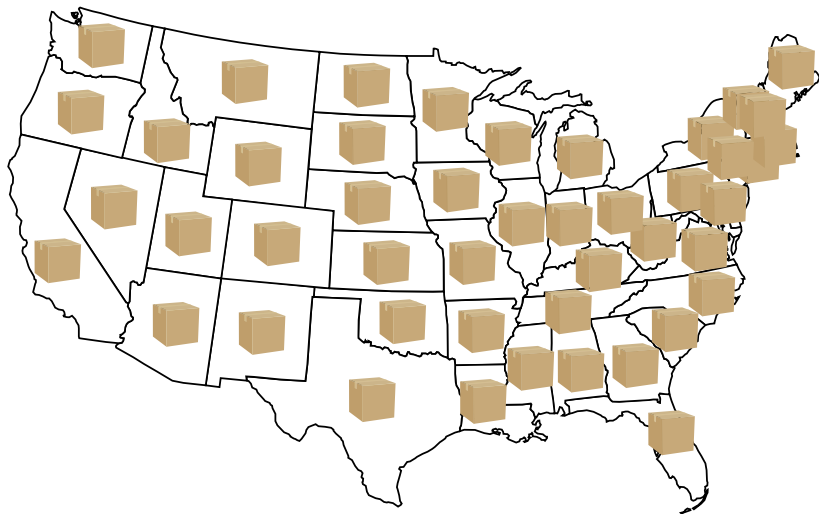
- In May of 2012, Fibre Box Association (FBA) published a blog post recounting the origins of the Corrugated Recycles symbol. This and other blog posts about the industry can be found on the FBA website, www.fibrebox.org/news.



**A single tree can absorb more than
10 pounds of CO₂ each year.**

RESOURCES:

- Find forest facts on the American Forest & Paper Association (AF&PA) website, www.afandpa.org/our-industry/fun-facts.



Corrugated packaging is a \$30.8 billion industry operating 1,155 manufacturing facilities that provide employment and benefits to approximately 100,000 in nearly 1,000 U.S. cities and towns located in the contiguous 48 states.

RESOURCES:

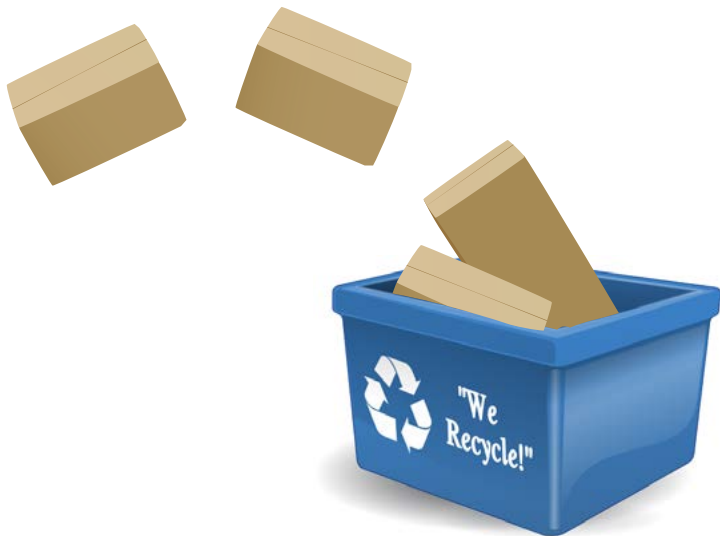
- Facilities operating in the corrugated industry are tracked and reported annually in the FBA Annual Report found on the association's website, www.fibrebox.org.
- The North American Directory of Corrugated Plants can be sorted by plant name, zip code, or state, and is found on the FBA website, www.fibrebox.org.



Between 2000 and 2016, the amount of corrugated required to package a unit of industrial production has declined by 13%.

RESOURCES:

- FBA's Monthly Report of Statistics provides data for shipments, inventory and consumption along with 2 pages of graphs and bullets for box shipment demand indicators. Members can access the information monthly on the FBA website, www.fibrebox.org/Members/DataServices/USStatistics/MonthlyReport.



95% of Americans have access to community curbside and/or drop-off corrugated recycling programs.

RESOURCES:

- Since 1994, the American Forest & Paper Association (AF&PA) has performed surveys that track the growth of public access to recycling programs. Findings from the 2014 AF&PA Community Survey, can be found at www.paperrecycles.org/sustainability/2014-af-pa-community-access-survey.



1.5 billion seedlings are planted in the United States each year - that's an average of more than four million new trees planted every day.

RESOURCES:

- TAPPI, the leading technical association for the worldwide pulp, paper and converting industry, publishes a variety of educational materials offering students insight into the history, manufacture and science of paper through Paper University. To access Paper University and view interesting facts about paper, visit www.tappi.org/Education/TAPPI-Academy--eLearning/.



The Corrugated Packaging Alliance (CPA) released its second life cycle assessment report in 2014 measuring and documenting the cradle-to-cradle environmental impact of corrugated packaging in 2010.

RESOURCES:

- The Corrugated Packaging Life Cycle Assessment Summary Report along with the full report can be found on the Corrugated Packaging Alliance (CPA) website, www.corrugated.org.



\$11.5 million

Through the International Corrugated Packaging Foundation (ICPF), the corrugated industry has donated over \$11.5 million in equipment and curriculum to educate and train future workforces at packaging schools.

RESOURCES:

- The International Corrugated Packaging Foundation's (ICPF) mission is to generate a stream of increasingly qualified students to enter the corrugated industry, now and into the future. Visit the ICPF website, www.icpfbox.org, for information about careers in corrugated.



FIBRE BOX ASSOCIATION

Data. Issues. Connections.

*The corrugated packaging
Industry's most trusted voice.*

www.fibrebox.org