



## Introduction

- Paper disruption in China and parts of SEA
- Some quick mitigation ideas
- Sustainable packaging materials



RISI is the best positioned and most authoritative global source of forest products information and data.

## www.risiinfo.com

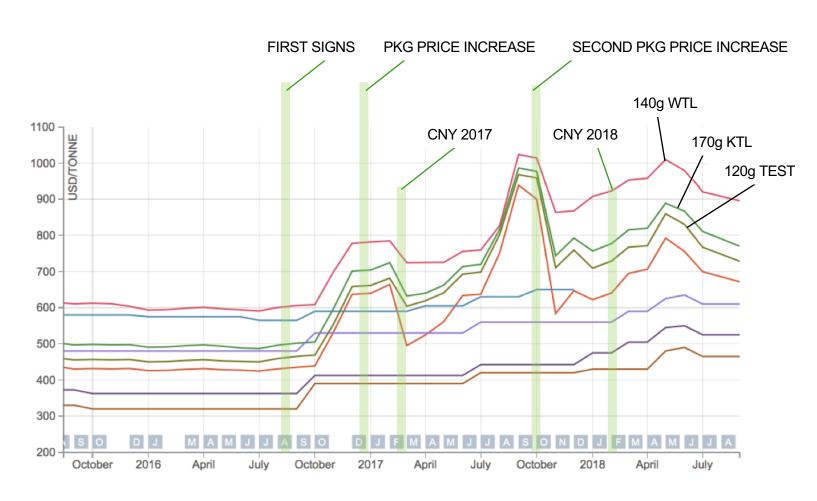
Rick Hawley Product Development Manager BillerudKorsnäs USA <u>rick.hawley@billerudkorsnas.com</u>







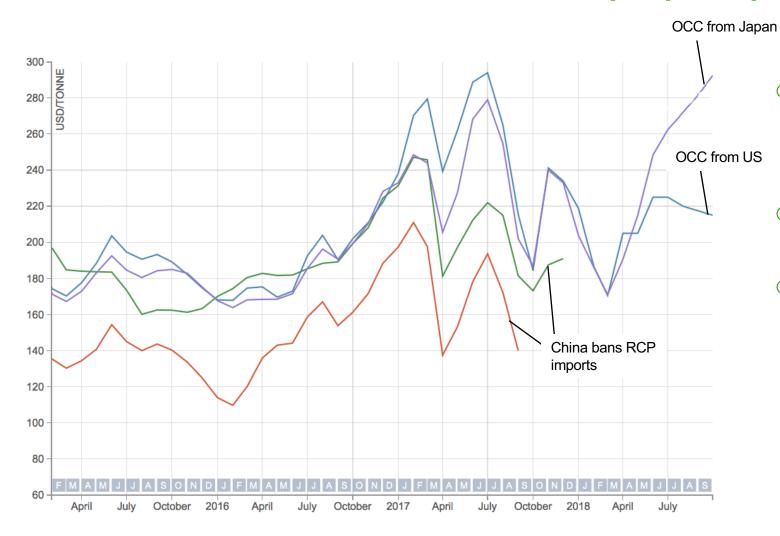
## Paper price disruption



- In 2016 and 2017 there were sharp increases in paper prices for a variety of reasons:
  - > Chinese government policies
  - > Ban on recovered paper
  - > Environmental reasons
- Prices seem less volatile following CNY this year when compared to previous
- China's need for recycled fiber will drive the market



# Recovered paper prices



- Recovered paper (RCP) and Old Corrugated Containers (OCC) are key input for grades of paper used in footwear packaging
- The Chinese paper market will be heavily influenced by the demand for RCP
- By 2020 there will be a 22% increase in mill capacity in China and 9M tons of RCP will be needed to supply the increase in capacity



## Additional Developments to keep an eye on



https://research.rabobank.com/far/en/sectors/fa-supply-chains/impact-of-china-rcp-policies.html

- The Chinese domestic recycling market can only supply about a third of its own need for RCP – cost of this fiber is high and the amount of virgin fibers is low – this poses a risk to packaging strength
- The Chinese Government just announced 25% retaliatory tariff on US recycled pulp (8/23)
- Oconcerns about the quality of imported recycled materials has spread to other SEA countries who are implementing their own restrictions this is going to put further pressure on supply of fiber
- Recent moves by the Chinese government indicate a commitment to the total ban of imported solid waste by 2020 this includes recovered paper and OCC
- This year's import quotas are expiring on 12/31 there is uncertainty around next year's implementation of quota permits and the imposed quality standard .5%



# How to mitigate these impacts?

- Ontrol your packaging: ensure that the right box made from the right materials is used in the supply chain controlling your packaging has significant value – especially during these market disruptions
- Use of virgin packaging papers can stabilize your overall packaging costs in conditions like these
  - > Virgin fiber packaging papers are renewable, lightweight and strong you get more packaging strength per ton of paper
- Eliminate high ecommerce shipment costs by packaging "ready to ship" at source
  - > Eliminate overpack and reduce dim-weight freight rules

## The cost to use packaging is a more important number than the unit cost

# \$/unit As-Is Other costs \$/unit To-Be Other costs Freight Freight (15% reduction) Packaging costs Packaging costs

#### **SAVINGS POTENTIAL:**





- Lowered 1<sup>st</sup> cost for packaging
- Reduced damage
- Reduced trucking to port



Origin operations

Reduced • Reduced spend on ocean and air station costs



. . .

 Reduced spend on brokerage due to fewer entries

**Brokerage** 



#### Inbound transport

Lowered

trucking costs

drayage cost

 Improved capacity due to fewer inbound receipts

Distribution

center

 Reduce corrugate spend by increasing carton reuse



## Outbound transport

Reduced spend on outbound deliveries



 Improved backroom capacity

> Reduced handling



# Sustainable packaging principles

## Sustainable packaging:

- 1. Is beneficial, safe & healthy for individuals and communities throughout its life cycle
- 2. Meets market criteria for performance and cost
- 3. Is sourced, manufactured, transported, and recycled using renewable energy
- 4. Optimizes the use of renewable or recycled source materials
- 5. Is manufactured using clean production technologies and best practices
- 6. Is made from materials healthy throughout the life cycle
- 7. Is physically designed to optimize materials and energy
- 8. Is effectively recovered and utilized in biological and/or industrial closed loop cycles

No ranking is implied in the order of criteria.





# BillerudKorsnäs by the numbers

Net sales approx.

2.6

**Billion USD** 



A focus on customer value, innovation and sustainability

Operating profit approx.

244

**Million USD** 





8

#### **Production units**

Beetham

Frövi

Rockhammar

Gruvön

Gävle

Karlsborg

Pietarsaari

Skärblacka

## **Business areas**



Corrugated Solutions



**Consumer Board** 



**Packaging Paper** 

### **Global Offices**

United States: Portland, Chicago, Miami

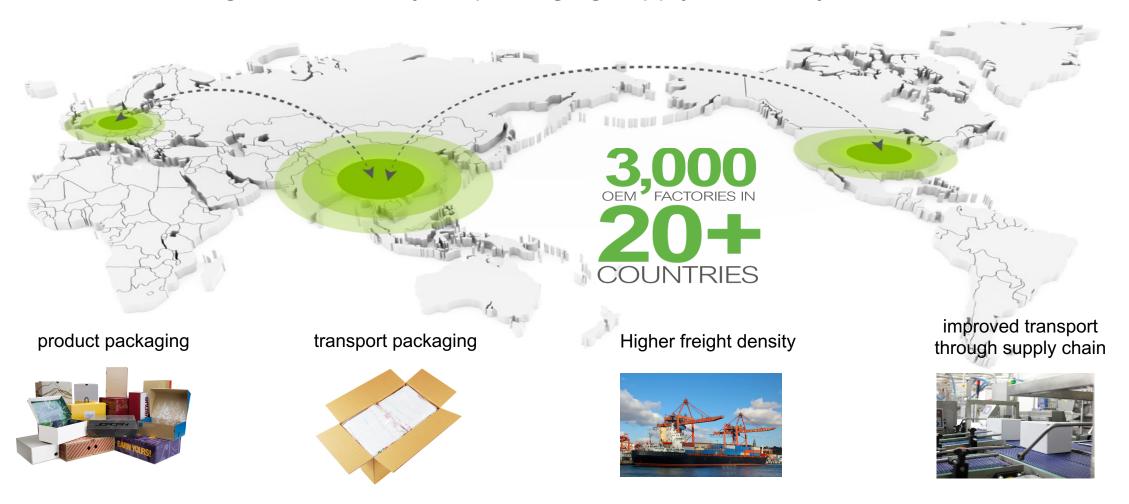
Europe: Sweden, Germany, Italy, France, UK, Spain

Asia: China, India, Vietnam, Cambodia, Bangladesh, Indonesia, Thailand



# **Managed Packaging Solutions**

We manage and control your packaging supply chain so you don't have to





# Sustainability credentials



#### September 13, 2018:

Each year over 3,400 public companies around the world are analyzed, the top 10 percent are included in the Dow Jones Sustainability World Index. This year BillerudKorsnäs is the industry leader in the category Containers & Packaging and achieves industry top scores for its climate strategy, customer relationship management, supply chain management and talent attraction & retention.











