

# A PLASTIC PLANET

## 1. SOURCE MATERIAL: GRASS

Grass paper is revolutionary. Grass grows rapidly. Farmers can cut their fields in early summertime and harvest again at the end of the summer. As an abundant raw source material for commercial food and drink packaging, grass is one of the most exciting.

### GRASS PAPER

#### STARTING LIFE

Scheufelen, a German manufacturer, has just won the Innovation Award for its grass paper packaging at the 2018 Fruit Logistica Berlin, one of the largest global packaging fruit and vegetables trade fairs. Made with grass harvested near their plant, grass paper has the potential to ascend into mainstream packaging with enviable environmental credentials including significant savings in energy, water and chemical use making for a low Co2 production footprint.

-Raw material: Grass grows fast with a new crop available in just 60 days.

-Water: Grass paper production dramatically cuts industrial water use to <1 liter per ton grass fiber pulp, versus a few 1000 liters per ton of wood fiber pulp.

-Energy: A massive energy saving is achieved with up to 80% reduction per ton of fresh fiber material.

-Zero chemicals: A purely mechanical production process is used without the use of processing chemicals.

#### WORKING LIFE

Suitable for offset printing, Grass Paper is available for the production of containerboard, liners and folding box containers, as well graphical applications [SS re POS\*]. Offering perfect printability and certified for all food applications, Grass paper is currently distributed under the following brand names and grades:

Greenliner for container board and liners (80, 90, 105, 130 to 200 gsm); [2] Scheufelen graspapier for graphic applications (95 and 130 gsm) [3] Phoenogras in a combination of grass paper with high white fresh fibre board (360 gsm) and [4] Phoenolux for high-end packaging solutions.



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## ENDING LIFE

FSC-Mix certified (FSC® C009951) - at start of life.

-ISEGA certified and recyclable and compostable - at end of life.

## WEBSITES

<https://packagingeurope.com/sun-dried-grass-paper-sustainable-packaging-innovation/>

<http://www.scheufelen.com/en/products/grass-paper/>

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## CURRENT UPTAKE

Netto and Rewe already using Grass Paper trays for apples.

