## Eucafluff<sup>®</sup> environmental footprint

Find out why Eucafluff® reduces the impact in the land use category, reducing also the end product consumption impact on nature

**CUTTING CYCLE** 

We have almost 4 cycles of eucalyptus in BR during just 1 cvcle of Pinus in US

FOREST PRODUCTIVITY

Less wood needed to produce

the same amount of Fluff



**328**m<sup>3</sup> hectare with approximately 1550 trees/hectare





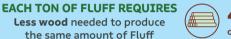


LAND USE TO PRODUCE **1 TON OF FLUFF** 82% less impact on Land use





**236m<sup>3</sup>** hectare with approximately 1794 trees/hectare



 $4m^3$ of wood



**BABY PANTS** 

<sup>(1)</sup>8g of Fluff per unit

1 pine tree\* produces 0.13m<sup>3</sup> of wood and **32.7kg** of US Pine Fluff

This is enough to produce **4,090<sup>(1)</sup>** baby pants

to supply the needs of **1 baby** for ~ 2 years

Pinus grown in the southeastern US under low. medium, and high-intensity fertilization regimes

\*Puettmann, Maureen; Oneil, Elaine; Milota, Mike and Johnson, Leonard. Cradle to Gate Life Cycle Assessment of Softwood Lumber Production from the Southeast, Available at: https://corrim.org/wp-content/uploads/2018/06/SE-Lumber-LCA-may-2013-final.pdf

🕖 suzano éuca fluff Paulo state. Brazil

This is enough to produce **7,812<sup>(1)</sup>** baby pants to supply the needs of

2 babies for ~ 2 years

Study made by ACV Brasil / Third Part Review by KPMG

1 eucalyptus tree produces

0.2m<sup>3</sup> of wood and

62.5kg of Eucafluff®

## Eucafluff<sup>®</sup> environmental footprint

Find out why Eucafluff® reduces the impact in the land use category, reducing also the end product consumption impact on nature

**CUTTING CYCLE** 

We have almost 4 cycles of eucalyptus in BR during just 1 cvcle of Pinus in US

FOREST PRODUCTIVITY

More wood produced per hectare

Less wood needed to produce

the same amount of Fluff



**328**m<sup>3</sup> hectare with approximately 1550 trees/hectare



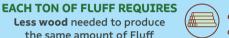


LAND USE TO PRODUCE **1 TON OF FLUFF** 82% less impact on Land use

<sup>(1)</sup>25g of Fluff per unit



**236m<sup>3</sup>** hectare with approximately 1794 trees/hectare



 $4m^3$ of wood



**Underpad** 

1 pine tree\* produces 0.13m<sup>3</sup> of wood and **32.7kg** of US Pine Fluff

This is enough to produce **1,300<sup>(1)</sup>** underpads

to supply the needs of **1 person** for 2,5 years

Puettmann, Maureen: Oneil, Elaine: Milota, Mike and Johnson, Leonard, Cradle to Gate Life Cycle Assessment of Softwood Lumber Production from the Southeast, Available at: https://corrim.org/wp-content/uploads/2018/06/SE-Lumber-LCA-may-2013-final.pdf

Eucalvotus planted in São . Paulo state. Brazil with sustainable environmental and social practices.

0.2m<sup>3</sup> of wood and 62.5kg of Eucafluff®

This is enough to produce 2,500<sup>(1)</sup> underpads

1 eucalyptus tree produces

to supply the needs of **1 person** for 4,5 years

Study made by ACV Brasil / Third Part Review by KPMG

🕖 suzano éuca fluff the southeastern US under low. medium, and high-intensity fertilization regimes

Pinus grown in

## Eucafluff<sup>®</sup> environmental footprint

Find out why Eucafluff® reduces the impact in the land use category, reducing also the end product consumption impact on nature



**CUTTING CYCLE** We have almost 4 cycles of eucalyptus in BR during just 1 cvcle of Pinus in US

328m<sup>3</sup> hectare with approximately 1550 trees/hectare FOREST PRODUCTIVITY More wood produced per hectare



EACH TON OF FLUFF REQUIRES Less wood needed to produce the same amount of Fluff



LAND USE TO PRODUCE **1 TON OF FLUFF** 82% less impact on Land use



4,580m<sup>2</sup>

#### **Feminine Hygiene**

0.2m<sup>3</sup> of wood and 62.5kg of Eucafluff®

**17,360<sup>(1)</sup>** feminine pads



Study made by ACV Brasil / Third Part Review by KPMG

0.13m<sup>3</sup> of wood and **32.7kg** of US Pine Fluff

1 pine tree\* produces

This is enough to produce **9,080<sup>(1)</sup>** feminine pads

to supply the needs of **1 woman** for 47 years

<sup>(1)</sup>3.6g of Fluff per unit

**236m<sup>3</sup>** hectare with approximately 1794 trees/hectare

(27) US Pine Fluff |----



Pinus grown in the southeastern US under low. medium, and high-intensity fertilization regimes



\*Puettmann, Maureen; Oneil, Elaine; Milota, Mike and Johnson, Leonard. Cradle to Gate Life Cycle Assessment of Softwood Lumber Production from the Southeast. Available at: https://corrim.org/wp-content/uploads/2018/06/SE-Lumber-LCA-may-2013-final.pdf

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#### Final considerations:

### What is a Life Cycle Assessment (LCA)?

Compilation and evaluation of the inputs, outputs and the potential environmental impacts of a product system throughout its life cycle. LCA addresses the environmental aspects and potential environmental impacts throughout a product's life cycle from raw material acquisition through production, use, end-oflife treatment, recycling and final disposal (ISO 14044). At Suzano, we are constantly concerned with developing products with the least possible environmental impact from the tree and through this provide part of the solutions for society's challenges

# Product consumption estimates considers that:



**1 baby** uses an average of **5 nappie**s per day or **1.830** per year.



**1 woman** uses an average of **15,83 per cicle** or **190 pads** per year.



**1 patient** who needs underpadsuses an average of**1,5 units** per day or **550** per year