

Eucafluff® environmental footprint

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

Eucafluff®



CUTTING CYCLE

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



US Pine Fluff

328m³
hectare with approximately
1550 trees/hectare



FOREST PRODUCTIVITY

More wood produced per hectare



236m³
hectare with approximately
1794 trees/hectare

3.5m³
of wood



EACH TON OF FLUFF REQUIRES

Less wood needed to produce the same amount of Fluff



4m³
of wood

700m²
cycle



LAND USE TO PRODUCE 1 TON OF FLUFF

82% less impact on Land use



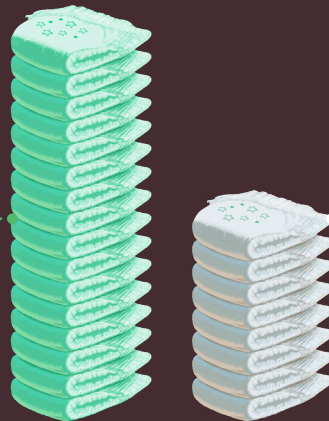
4,580m²
cycle

BABY PANTS

1 eucalyptus tree produces
0.2m³ of wood and
62.5kg of Eucafluff®

This is enough to produce
7,812⁽¹⁾ baby pants

to supply the needs of
2 babies for
~ 2 years



⁽¹⁾8g of Fluff per unit

1 pine tree* produces
0.13m³ of wood and
32.7kg of US Pine Fluff

This is enough to produce
4,090⁽¹⁾ 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

suzano
eucafluff

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

Study made by ACV Brasil / Third Part Review by KPMG

*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>

Eucafluff[®] environmental footprint

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

Eucafluff[®]



7 years

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



27 years

US Pine Fluff

328m³
hectare with approximately
1550 trees/hectare



FOREST PRODUCTIVITY
More wood produced per hectare



236m³
hectare with approximately
1794 trees/hectare

3.5m³
of wood



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



4m³
of wood

700m²
cycle



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



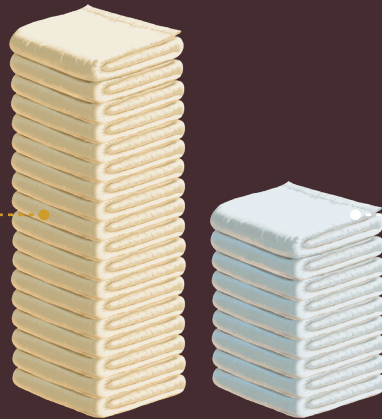
4,580m²
cycle

Underpad

1 eucalyptus tree produces
0.2m³ of wood and
62.5kg of Eucafluff[®]

This is enough to produce
2,500⁽¹⁾ underpads

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



⁽¹⁾25g of Fluff per unit

1 pine tree* produces
0.13m³ of wood and
32.7kg of US Pine Fluff

This is enough to produce
1,300⁽¹⁾ underpads

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



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

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

suzano
eucafluff

Study made by ACV Brasil / Third Part Review by KPMG

*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>

Eucafluff® environmental footprint

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

Eucafluff®



CUTTING CYCLE

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



US Pine Fluff

328m³
hectare with approximately
1550 trees/hectare



FOREST PRODUCTIVITY

More wood produced per hectare



236m³
hectare with approximately
1794 trees/hectare

3.5m³
of wood



EACH TON OF FLUFF REQUIRES

Less wood needed to produce the same amount of Fluff



4m³
of wood

700m²
cycle



LAND USE TO PRODUCE 1 TON OF FLUFF

82% less impact on Land use



4,580m²
cycle

Feminine Hygiene

1 eucalyptus tree produces
0.2m³ of wood and
62.5kg of Eucafluff®

This is enough to produce
17,360⁽¹⁾ feminine pads

to supply the needs of
2 women for
45 years



⁽¹⁾3.6g of Fluff per unit

1 pine tree* produces
0.13m³ of wood and
32.7kg of US Pine Fluff

This is enough to produce
9,080⁽¹⁾ feminine pads

to supply the needs of
1 woman for
47 years



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

suzano
eucafluff

Eucalyptus planted in São Paulo state, Brazil, with sustainable environmental and social practices

Study made by ACV Brasil / Third Part Review by KPMG

*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>

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-of-life 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.

Currently, our studies cover 50% of our product portfolio, following the quality requirements of ISO 14040 and 14044.

Product consumption estimates considers that:



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



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



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