

Renewable Aviation



NESTE
The only way is forward

Neste MY Renewable Jet Fuel

From **100%** renewable waste and residue raw materials

Fully compatible with existing jet engine technology and supply chain

Already commercially available and **in use**

Current capacity anticipated to increase to **1 MT** in 2020

Up to **80%** reduction in GHG emissions compared to fossil jet fuel



Neste – Towards more sustainable aviation

Aviation is a fast growing industry, and as global air traffic is expected to double over the next 15 years, so will the aviation-related emissions, if no action is taken.

The industry has already taken steps in the right direction, by committing to the target of achieving carbon neutral growth from 2020 onwards.

While many solutions, such as electrified aviation, are still in early stages of development, the industry needs solutions to cut the direct carbon emissions of flying.

Neste is committed to helping the aviation industry with its emission reduction targets. This is why

we have developed a drop-in solution that is readily available and already in commercial use.

Neste MY Renewable Jet Fuel™ is a sustainable aviation fuel that reduces GHG emissions up to 80% compared to fossil jet fuel. The fuel provides an immediate solution for reducing the direct carbon emissions of flying and thus helps the industry to achieve its ambitious targets.

Our sustainable aviation fuel annual capacity is currently 100,000 tons. With the Singapore refinery expansion on the way, we will have the capacity to produce over 1 million tonnes of sustainable aviation fuel by 2022.

Join us on the journey!

Cooperation is key in sustainable aviation

Industry cooperation and partnerships are needed to bring new solutions to the market and to ensure fast growth for the use of sustainable aviation fuels.



“Using sustainable aviation fuel is currently one of the most effective ways to reduce CO₂ emissions in the airline industry. Owing largely to the companies taking part in the KLM Corporate BioFuel Programme, we have been able to make this purchase, giving a further impulse to the consistent production of SAF,” says PIETER ELBERS, KLM PRESIDENT & CEO about the KLM and Neste collaboration.

“We are very happy to continue our collaboration with Lufthansa, a company that has supported responsible corporate policies for decades, and is a pioneer in Sustainable Aviation Fuel (SAF) testing. Neste and Lufthansa share the same ambition to increase the sustainability of aviation, and to offer solutions which help our customers achieve personal goals in reducing their carbon footprint.” says PETER VANACKER, NESTE PRESIDENT & CEO about the Lufthansa collaboration.

“I am pleased that through our collaboration with Neste we will be able to offer our Swedish customers sustainable aviation fuel at a number of airports across the country in 2019. We are committed to supporting our customers, through initiatives such as this, as they work towards reducing their emissions and realising their low carbon ambitions,” says JON PLATT, AIR BP CEO about the collaboration where Air BP and Neste bring SAF to Swedavia operated airports.



NESTE MY

Renewable Jet Fuel



Up to 80% reduction in GHG emissions

The fuel has a smaller environmental footprint compared to fossil fuels. Over the lifecycle, including the impact of production and logistics, Neste MY Renewable Jet Fuel can achieve up to 80% reduction in GHG emissions compared to fossil jet fuel.

Easy to use 100% drop-in fuel

The fuel is 100% compatible with the existing jet engine technology and fuel distribution infrastructure when blended with fossil jet (D1655). Therefore, no additional investments or modifications are needed. The fuel in neat form is ASTM (D7566) approved. When blended with conventional fossil jet fuel up to a maximum level of 50%, the fuel is re-certified as D1655.



Significantly reduced local emissions

Neste MY Renewable Jet Fuel will significantly reduce local emissions. The fuel can reduce harmful particulate SO_x and NO_x emissions and it burns clean – free of sulphur, oxygen and aromatics – with higher energy content.

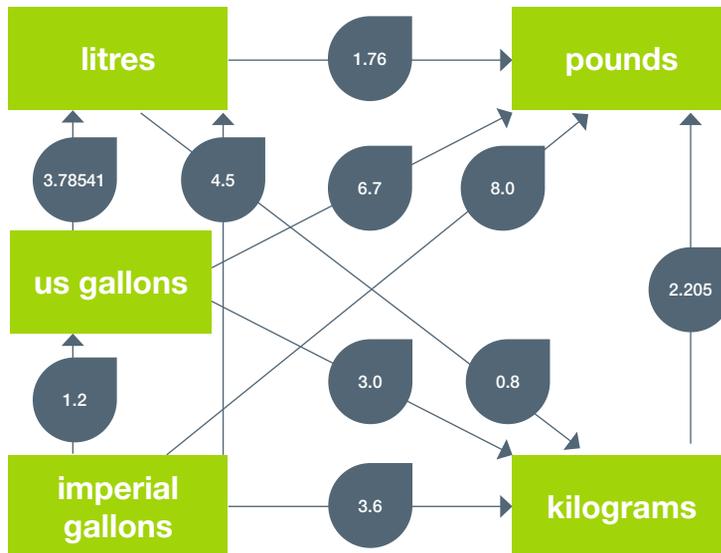
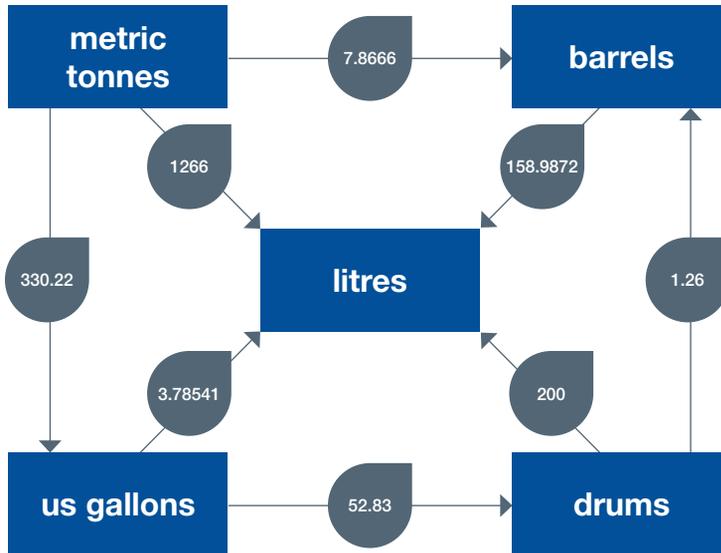
100% renewable waste and residue raw materials

Neste MY Renewable Jet Fuel, is a sustainable aviation fuel, produced from 100% renewable waste and residue raw materials. The raw material we use for the production of the fuel include e.g. used cooking oil and animal waste fat.



Conversion tables

Conversion factors – Jet A-1



For Jet A-1 at AG=0.8

Note: direction of arrow multiply by factor shown;
reverse direction of arrow, divide by factor shown.



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