In 2022, ePURE members produced 4.5 million tonnes (5.71 billion litres) of ethanol and 5.9 million tonnes of food and feed co-products, including high-protein animal feed – in other words, more food than fuel. All of the crops used were grown by European farmers. 84.7% of the ethanol produced was for fuel use, with an average of 78.4% GHG savings compared to petrol.

Average certified GHG emission savings in %
Since 2011 the average certified greenhouse gas emission savings of renewable ethanol against fossil fuel have increased continuously, reaching 78.4% in 2022.

Average certified GHG emissions from the production and use of fuel ethanol in gCO$_{2eq}$/MJ

Renewable ethanol production by end-use
In 2022, ePURE members produced 5.71 billion litres of ethanol, operating at 79.8% of their 7.16 billion litres of installed capacity. Fuel accounted for 84.7% of the use; other markets, such as industrial applications and beverages, represented 7.4% and 8% respectively.

Main output of European renewable ethanol plants
In 2022, ePURE members produced more food and feed co-products than ethanol: of the 7.93 million tonnes of co-products produced by biorefineries, 5.90 million tonnes were food and feed co-products.

Feedstock used to produce renewable ethanol
All the feedstock used to produce renewable ethanol by ePURE members was grown in Europe. Of the 5.71 billion litres of ethanol produced in 2022, 47.8% was from corn, 22.3% from wheat, 13.9% from sugars, and 1.9% from other cereals and starch-rich crops.

Share of installed production capacity per type of process energy
ePURE members are improving production processes for renewable ethanol. In 2022, more than 53% of ePURE members' installed production capacity was equipped with a CO$_2$ capture system, and more than 70% had integrated cogeneration of heat and power (CHP) to reduce their energy demand.
EU27 + UK renewable ethanol installed production capacity (Million litres)

*Includes non-ePURE members. ePURE members account for 7.16 billion litres of total European production capacity.

**TOTAL 9,113**

Imported ethanol reached a record-high 2,127 million litres in 2022, an increase of 51% compared to 2021. Imports from countries enjoying duty-free access to the EU accounted for the majority of imports with 57%, compared to imports subject to duties including inward processing, representing 41%. These include imports from the US, which increased by 72% in 2022 compared to 2021, reaching 470 million litres, and imports from Brazil, which increased by 131% reaching 333 million litres in 2022. Pakistan is the largest importer in 2022, reaching 496 million litres in 2022, an 197% increase, while benefitting from duty exemption under the GSP+ regime.

**EU27 biogasoline consumption**

Renewable ethanol market at a glance – 2022

EU27 + UK renewable ethanol installed production capacity (Million litres)

Top 10 origins of EU ethanol imports

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