

Sustainability sourcing and production

Pectin



At Cargill Starches, Sweeteners and Texturizers Europe, we are working to nourish the world in a safe, responsible and sustainable way and drive positive change across our supply chains. This includes creating a more sustainable pectin supply chain and also creating more sustainable production.

Many of our suppliers are achieving **sustainability best practices** through verification system such as **SAI Platform Farm Sustainability Assessment (FSA) level Gold**.



FARMERS



Many of our suppliers have **dedicated sustainability programs** covering their operations and how they **grow and harvest the fruits we use for pectin**. Key features include promoting orchard biodiversity, farm workers wellbeing, water conservation and cutting CO2 emissions.



The peel for pectin production comes from fruits used for juicing therefore our **pectin processing makes efficient use of the whole fruit, reducing waste**.

We have achieved **energy reduction across our plants** in the region of **↓20%** during the last 5 years.



PECTIN PRODUCTION

Our pectin plants have **achieved ISO energy efficiency standards** such as ISO 14 001, ISO 50 001 and ISO 9001.



By 2025 we commit to **reduce Scope 1 and 2 Greenhouse Gas emissions by 10%** versus 2017, achieved through energy conservation and certification, cogeneration and on and offsite renewable energy.



The majority of our pectin plants are **located right in the heart of fruit growing regions** such as our Milazzo plant, Italy, **reducing our sourcing transportation footprint**.



At our Malchin plant we are **reducing waste and securing a renewable source of steam**. This is achieved in **partnership with a local biomass facility** which uses citrus waste from the plant to produce the renewable steam we need.

Circularity is truly embedded in our Redon, France plant. It receives dry apple pomace, **extracts the pectin** and the **remaining material returns to local farmers** for biogas production and animal feed.



Cargill's new pectin facility, located in Bebedouro, Brazil, is state-of-the-art, highly circular, energy efficient, and includes an advanced waste treatment facility.