



Prosane helps fruit and vegetables defend themselves against microbial attacks and physical wounds | Photo source sydney Rae on Unsplash

Innovation > Food & Drink > Edible food coating solution extends shelf life by weeks

## EDIBLE FOOD COATING SOLUTION EXTENDS SHELF LIFE BY WEEKS

 FOOD & DRINK

### Biodegradable and allergen-free, Prosane promises to extend fruit and vegetable shelf life by several weeks

**Spotted:** The French startup Protème has developed an edible coating solution, Prosane, which, thanks to its synergistic alliance of a biopolymer and natural components, has the power to extend fruit and vegetable shelf life by several weeks by helping them to defend themselves against microbial attacks and physical wounds.

Prosane is 100 per cent biodegradable and allergen-free. The thin protective film acts like a second skin for products and reduces their breathing without denaturing them or detracting from their natural flavour. Unlike standard packaging, the coating is also edible and can be washed off with water.

Not only is the coating solution an eco-responsible and sustainable alternative to the use of post-harvest phytosanitary products, Protème has also ensured that their entire production process responds to a circular model, whereby the environment is protected and maintained at every stage of the life cycle of their product, from development to production to distribution.

9th July 2021

Email: [contact@proteme.fr](mailto:contact@proteme.fr)

Website: [proteme.fr/en/](https://proteme.fr/en/)

Contact: [proteme.fr/en/contact/](https://proteme.fr/en/contact/)

### Takeaway:

Each year in France, nearly 10 million tonnes of consumable food are wasted, equating to 15.3 million tonnes of CO2 released into the atmosphere. The fruit and vegetable sector is accountable for almost half this waste. By providing a coating that replaces the need for single-use plastic packaging whilst also protecting and extending the shelf life of fresh produce, Proteame has found a solution that will accelerate the transition towards a more responsible and sustainable form of consumption.