

Innovations in packaging

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- Very effective
- Uses existing types of packaging
- Enhances shelf life
- Plant source doesn't compete with other crops
- Biodegradable in 4-6 weeks
- Similar properties to existing plastics
- Green alternative to traditional plastics
- Good availability
- Currently lots of research interest in this.

Nanoparticle coatings
Antimicrobial coatings

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levels of nano particles must be kept below safe limits.

Bioplastics
e.g. edible seaweed pods

niche product
limited research on safety.
more information needed on presence of heavy metals.

Bamboo

often bamboo is just mixed into plastics
migration of plastic into foods has been seen.

"Smart" packaging
Sensors detect changes in the packaging atmosphere

Only applies to foods which are packaged in a modified atmosphere or where gases are released.