Innovations in packaging

- 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

Bioplastics
- E.g. edible seaweed pods

Bamboo

“Smart” packaging
- Sensors detect changes in the packaging atmosphere

Levels of nanoparticles must be kept below safe limits.

Niche product
- Limited research on safety
- More information needed on presence of heavy metals
- Often bamboo is just mixed into plastics
- Migration of plastic into foods has been seen
- Only applies to foods which are packaged in a modified atmosphere or where gases are released.