



## Agriculture

### Biodegradable mulch film

COMPOSTABLE | SUSTAINABLE | INNOVATIVE | EARTH FRIENDLY

- BioBag offers sustainable and eco-friendly products
- BioBag products can be composted together with food waste and other organics
- Through composting, BioBag products give back to nature while also reducing the greenhouse effect

**CLEAN & GREEN**

**BioBag World Australia Pty Ltd**  
[www.biobagworld.com.au](http://www.biobagworld.com.au)





# BioAgri Mulch Film - Ideal for high value crops



**Usage of BioAgri is a contribution to a better environment.**

**BioAgri makes the daily work for farmers easier, thanks to its biodegradability in soil. At the end of a crop cycle, BioAgri film residues can simply be ploughed into the soil.**



BioAgri in use for Strawberries in Finland



BioAgri in use for lettuce in Germany

## Contribution to a better environment

BioAgri is produced of Mater-Bi, a bioplastic raw material created by complexing starch with polyesters. BioAgri is certified as biodegradable and compostable.

The proven biodegradability in soil, allows the use of BioAgri mulch film to be a genuine contribution to a better environment.

BioBag cooperates with International universities and research institutions to continually develop the characteristics of the BioAgri film.

## Advantages for Farmers

- Increase soil temperature
- Speed up the germination and cultivation cycles
- Long-term nutritious soil
- Cost and labour efficient
- Eliminate or reduce the use of herbicides and pesticides
- Reduce water consumption
- Keep fertilizers and nutrients closer to the plant
- Prevent fruits & vegetables from direct contact with the soil

## About BioAgri Mulch Film

BioAgri mulch films compared to traditional plastic:

- Biodegradable in soil
- Customized life span, tailored for different crops
- No removal necessary
- No disposal costs
- No residues like traditional plastic in the field
- Faster access to the field
- Certified for organic farming
- An efficient alternative, in both agronomic and environmental terms to traditional plastic film
- Saves time and therefore costs required to remove and dispose of traditional plastic film
- Offers a family of grades fit for purpose



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Test of degradation is based on a 12 micron mulch film adapted to this specific crop



Mechanical planting



BioAgri Mulch Film in operation



After 11 days



After 80 days



After 90 days

## Application

BioAgri is biodegradable in soil and has an average life span of 1 – 5 months, depending on the climate and temperatures.

Applications with excellent test results for BioAgri:

- Onion
- Melon
- Cabbage
- Strawberry
- Squash
- Lettuce
- Vines
- Flowers and plants

## Mechanization

The laying of the film can be performed with the same equipment used for traditional plastic mulching films, being careful to reduce the tension of the roll during operation.

- Faster access to field after harvest
- Decrease of pollution caused by PE plastic in our environment
- Good LCA values

## Certifications

Certified Compostable according to the European Standard EN 13432 and the US Standard ASTM D6400.



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