

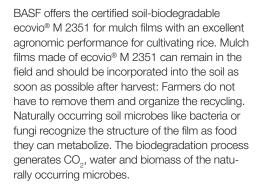
D-BASF

We create chemistry



For sustainable cultivation of rice:

Mulch films made of ecovio® M 2351



Tailor-made material:

- Certified soil-biodegradable according to EN 17033 and ISO 23517
- Recommended thickness 8 to 10 µm depending on the location
- Recommended color: black
- We recommend to add 12 % of BASF masterbatch black, which corresponds to 4% carbon black
- Detailed research about the bio-degradation process available
- ecovio® M 2351 does not contribute to persistent microplastics in the soil

Very good performance in the field key advantages compared to bare soil:

- · Higher soil temperature and thus earlier development of transplanted rice seedlings
- · Water, herbicide or hand weeding savings
- Higher yield
- Especially recommended for high price varieties

Easily adaptable to flooded rice production suggested usage:

- Can be laid out with adapted transplanter
- Transplanting with less water than usual, less water needed during growing season
- Mechanical transplanting possible
- Manual or mechanical harvest possible
- Mulch film should be incorporated into the soil immediately after harvest to complete the soilbiodegradation process
- Can be applied in all regions
- Particularly interesting for organic and or high quality rice segment in all regions

Sustainability benefits:

- · Contribution to microplastics prevention: soilbiodegradable mulch films made of ecovio® prevent persistent microplastics in soil often caused by thin conventional mulch films made of polyethylene (PE), which cannot be fully recollected and recycled.
- · Maintaining yield stability and health of agricultural land: extensive internal and external studies have shown the mechanisms of soilbiodegration of mulch films made of ecovio® M 2351 as well as also identified and analyzed the responsible microbes that are present in agricultural soils and driving the biological degradation process.











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