

BIOWERT INDUSTRIE GMBH

Foundation

- 2005

Employees

- 12

Key materials

- Functional grass fibres isolated from grass silage

Key products

- AgriPlast – A composite material (natural fibre reinforced plastic) for injection moulding and extrusion techniques
- AgriFer – An organic fertiliser
- Green power



BIOWERT

The Grass Factory

At Biowert everything revolves around the theme meadow grass. We operate a biorefinery in which this renewable resource from the region is processed into innovative products and green power in a resource-conserving closed-loop economy.

In Germany there's plenty of meadow grass. But our "grass factory" is worldwide one of a kind – and we continue to grow and develop it further.

The goal within our circular economy is to use our raw materials in a recycling process as complete as possible so that we generate no wastewater and waste products at all while using only a minimum of resources.



At Biowert everything revolves around the theme meadow grass.



Our circular economy – A closed-loop manufacturing process



Stacking boxes made from AgriPlast



GRPL – A modular hanging system



Container made from AgriPlast



Composites

With certain plastics it's possible to replace up to 75 % of their oil-based materials through renewable resources. At Biowert the remaining part of the plastic too is made up of either post-industrial recycled or biodegradable plastics.



AgriPlast

AgriPlast is a composite of plastics and cellulose. The cellulose is obtained from meadow grass. AgriPlast is nearly 25 % lighter than other fibre-reinforced plastics, such as glass-fibre reinforced plastics. As a result, energy is saved during transportation. Moreover, AgriPlast is ideal for recycling and in this way too helps reduce the consumption of raw materials.

AgriPlast is available in several different models – all of which are recyclable and some of which are also biodegradable. All AgriPlast composites can be dyed in various colours according to your needs.

- **Injection moulding** – AgriPlast made of 30 - 50 % cellulose fibres, is perfect for injection moulding and products such as stackable boxes, clips, pens, crates, lipstick tubes, designer objects and much more.
- **Extrusion** – AgriPlast made of up to 75 % cellulose fibres, is particularly well suited for plastics extrusion and products such as terrace flooring, profiles and many others.



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AgriPlast – A composite made of plastics and cellulose fibres

Contact

Biowert Industrie GmbH
Gewerbegebiet Ochsenwiesen
Ochsenwiesenweg 4
64395 Brensbach
Germany

+49 (0) 6161 80 66 30
info@biowert.com
www.biowert.com

Contact person



Jens Meyer zu Drewer
CEO
j.meyertzudrewer@biowert.com