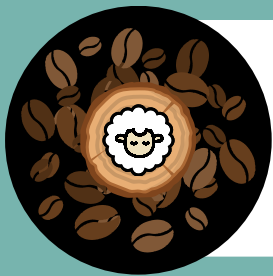




Upcycling coffee grounds into organic fertilizer

BeanSaver® is an Austrian company specializing in the reuse of coffee residues. The focus lies on the development and production of an organic fertilizer based on coffee grounds. The aim is to use this by-product as a valuable resource, return it to natural material cycles, and reintroduce it into economic utilization cycles.



Relevant Resources in the Loop

- **COFFEE GROUNDS** - from gastronomy, companies and coffee machines as the main resource
- **SHEEP WOOL** - as a component of the fertilizer for long-term storage and release of nutrients
- **WOOD** - as a component, improving soil structure and water retention



Methods & Approaches of Circular Economy

BeanSaver® organises the collection of coffee grounds from companies and partner organisations that regularly generate larger quantities of this by-product. The collected coffee grounds are then processed and combined with natural materials such as sheep wool and wood to produce organic fertilizers. Through this combination, a product is created that can be used in horticulture and returns the organic components of the coffee grounds back to the soil. In this way, raw materials from coffee preparation are integrated into the natural nutrient cycles.

Impact & Added Value

BeanSaver® demonstrates how organic by-products can be systematically integrated into the circular economy. By processing coffee grounds into an organic fertilizer, waste volumes are reduced, and the contained organic matter is returned to the soil-plant cycle. This promotes the use of coffee grounds as a sustainable resource.



Ecological Benefits

- Reuse of coffee grounds as a biogenic resource
- Reduction of organic waste from coffee preparation
- Return of organic materials to the natural soil-plant cycle
- Resource-efficient use of existing side streams



Social Benefits

- Raising awareness for the circular economy in everyday life
- Collaboration with companies & regional partners
- Promotion of sustainable production & consumption practices
- Strengthening regional cooperation along the value chain



Economic Benefits

- Value creation from previously unused side streams
- Development of a sustainable fertilizer product from existing resources
- Support for companies in adopting circular solutions
- Regional production & marketing