

Subject Areas Biomass

General biomass is an extremely versatile starting material. You can use the various plants and fruits as food, as animal feed, as fuel for heat generation, as fertiliser, as an additive or base of creams and lotions and as fuel for mobility purposes.

Many of the uses listed overlap with other areas, so that any by-products created may be used as starting material in another branch.

We offer three devices in the biomass field, which provide a practical representation and illustration of the fundamental processes. Use of any by-products created is also possible. For example, with CE640 on the biotechnical production of ethanol, you gain ethanol as the main product and mash as the by-product. You can either discard the mash or use it as substrate in the CE 642 biogas plant. When you operate the biogas plant, you receive biogas as the main product and a high-quality fertiliser, the digestate, as a by-product. This digestate is low in odour compared to manure and the nutrients are better absorbed by plants.

The main product of the CE650 Biodiesel Plant after the optional purification process is biodiesel. With optional treatment of the by-products you can also obtain glycerin, which is used in the food and cosmetics industries, and a portion of additives.



🗢 Subject Areas



2E Products

