

# UltraPract® P2

**NEW:** The biogas enzyme 2.0 with **AC Factor**



## More dung, less corn!

Increase the performance of your biogas plant with **UltraPract® P2**.

**UltraPract® P2** was specially developed for application in biogas plants.

The result: **Peak activity** in the pH range 7.0–8.5 relevant for biogas plants and thus optimal efficacy. In addition **UltraPract® P2** offers an **extraordinary temperature tolerance** > 60° C as well as uncompromising stability.

The enzyme combination complemented by the **enzymatic acceleration factor AC** ensures the superior efficacy of **UltraPract® P2**. The impressive results from practical application provide convincing evidence.

**UltraPract® P2** is especially suitable for facilities interested to increase the **share of animal wastes** (dung, liquid manure). Furthermore, when using substrates with a high proportion of fibers (e. g. straw, grass silage, weed silage), the addition has proven its particular effectiveness.

### 5 good reasons for the application of **UltraPract® P2**!

- » Maximizes the **speed** of biogas formation.
- » Increases **substrate utilization**, and thus the entire degradation to biogas.
- » Facilitates increasing the proportion of **animal wastes in the substrate mix** – at constant plant output and stable operation.
- » Optimizes the productivity, and thus the **profitability of plant operation**.
- » Reduces the amount of **fermentation residue**.

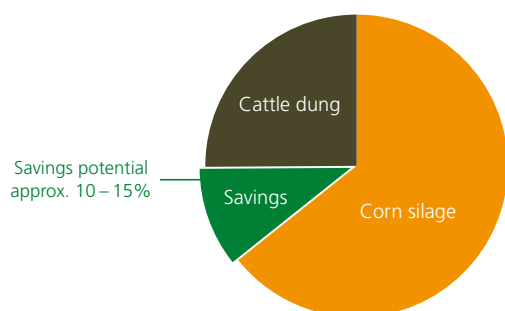
**More dung, less corn!**  
**Higher yield, less residue!**

# UltraPract® P2: Functionality and Effect

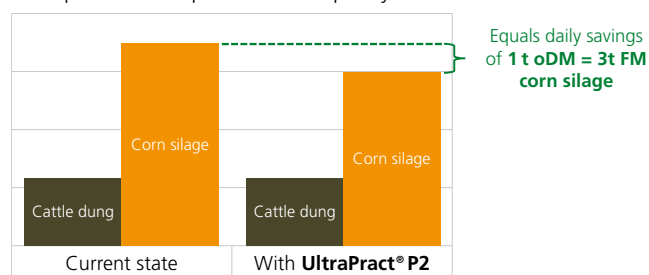
The highly effective **UltraPract® P2** complemented by the **enzymatic AC Factor** introduces the next generation of biogas enzymes. Developed in Biopract GmbH's labs, **UltraPract® P2** is a liquid concentrate consisting of specially formulated enzymes. **UltraPract® P2** increases and accelerates the **utilization of co-substrates** such as dung and slurry, as well as difficult to ferment fiber components. As a result it speeds up the fermentation process, increases the biogas yield and thus lifts the profitability of the operation.

## The Turbo for Higher Yields!

**UltraPract® P2** enables the **reduction of the substrate intake** by 10–15 % for plants, which already apply more than 25 % of animal wastes (e. g. cattle dung), without sacrificing performance\*.



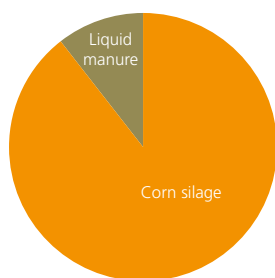
Example: 500 kW plant at full capacity



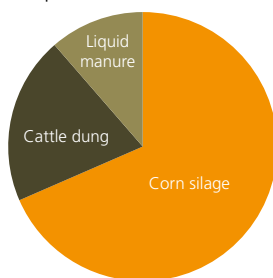
## Cost brake for expensive substrates!

Additionally, an **increased share of animal wastes** can result in considerable savings of expensive, energy crops (corn silage, grain) without a reduction in output. Biogas production is thus made possible with a much more **cost-effective substrate mix\***.

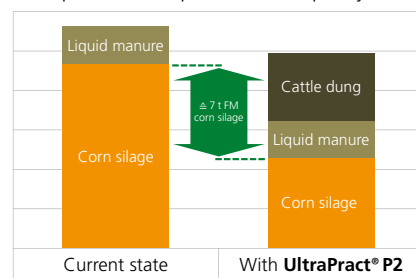
Current substrate mix



Optimized substrate mix



Example: 500 kW plant at full capacity



## Better utilization, less fermentation residue!

The **improved substrate utilization** leads to a substantial reduction of fermentation residue. In a 500 kW plant a **reduction of 600–800 m³** a year can be achieved.

**Take advantage of our service:** We will work with you to find the best application for your biogas plant!

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Please note:

All information in this publication regarding the use of this product corresponds to the knowledge available at the time of printing. We reserve the right to make changes. Last update: OCT 2017

\* Based on oDM (organic dry matter) and FM (fresh matter)

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**Biopract ABT**  
Angewandte Biotechnologie