

CLIMATE – CARBON NEUTRAL

Case: Making protein from methane



In 2019 we launched a pilot project testing the possibility of making protein for our pigs based on the methane produced in the biogas plants.

We have joined forces with the Danish company Unibio who have invented a new technology to derive high quality protein from methane gas, in a pilot project that took off in 2019. The idea is to grow bacteria which feed on the methane gas. When dried the bacteria are becoming a valuable protein source with a very good amino acid composition, well suited for the digestive track of our pigs.

Together with Unibio, Goodvalley is participating in a UNDP (United Nations Development) project called the SDG accelerator, aiming to bring this technology in operation on local, medium sized biogas plants, thereby contributing to a local production of valuable protein and at the same time saving the climate from the evaporation of huge quantities of methane and CO₂. The project is well underway and we

expect to start testing on the first Goodvalley biogas plants in the near future.

The project is the latest step in our effort to increase our own supply of proteins for animal feed. Currently we are testing several high protein crops, e.g. lupines, horse beans and peas and at the same time increasing our production of both sunflower, rape seed and soybeans on areas where climate and soil can justify growing these protein rich crops. As an example, we have doubled the area with soybeans from 750 to 1500 hectares in Ukraine for 2020 compared to 2019. In doing so, we aim to replace imported soya which has a significant carbon footprint.



200%

More soybeans from 750 to 1500 ha. in Ukraine for 2020, compared to 2019.



Together with Unibio, Goodvalley is participating in the UNDP project named The SDG accelerator.

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