

# PRESS RELEASE

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## CO<sub>2</sub> reduction of Eminex® confirmed by further study - an innovative product from Alzchem

Methane and CO<sub>2</sub> emissions from manure can be eliminated. In view of the current price explosion for mineral fertilizers, Eminex® as an innovative product in Alzchem's portfolio offers an effective approach to significantly reduce methane and CO<sub>2</sub> emissions during slurry storage and thus significantly improves the environmental impact and image of slurry. This is confirmed by the results of a study conducted at the University of Bonn, which was presented on the occasion of the DLG Field Days 2022.

### Eminex® proves its worth

Field applications have already shown convincing results in the recent months. In a study conducted by the University of Bonn, the solid effect of Eminex® has been confirmed once again. In addition to a significant reduction of methane and CO<sub>2</sub> emissions by 82 to 100 percent over 182 days, a significant reduction in nitrous oxide emissions was also determined over the whole storage period.

In addition to the emissions also the pH value of the slurry was measured over the storage period. As an additional positive effect, it was demonstrated that the slurry treated with Eminex® developed a lower pH value during long-term storage. This reduces the risk of gaseous nitrogen losses from the slurry in form of ammonia and additionally enhances the fertilising value of the liquid manure.

"Our new product Eminex® suppresses methane and CO<sub>2</sub> emissions during slurry storage, thus helping to avoid emissions that are harmful to the climate. In addition, this additive stops the formation of foam and floating layer, ensures a more homogeneous slurry, better flowability and, moreover, increases the fertilizing effect of the slurry. In view of the climate debate and the current supply and price situation for mineral fertilizers, this is an extremely effective approach for farmers to significantly improve the use and image of liquid manure as a valuable nutrient supplier," says Benedikt Kappelsberger of Alzchem.

AGILE SCIENCE PURE RESULTS

## About Alzchem

Alzchem is a globally active specialty chemicals company that is one of the market leaders in most of its fields of activity. Alzchem benefits from the three very different global developments climate change, population growth and longer life expectancy in a unique way. Alzchem products can offer attractive solutions for achieving the resulting social goals in a multitude of different applications.

The company sees interesting growth prospects for itself in the areas of human and animal nutrition and agriculture in particular. As a result of population growth, it is necessary to achieve efficient food production. Pharmaceutical raw materials and creatine products can contribute to a healthy old age as life expectancy increases. Alzchem is facing up to the goal of sustainability arising from climate change in the field of renewable energies and across the entire company. The fields of fine chemicals and metallurgy offer just as great a perspective.

Alzchem Group AG's broad product range includes dietary supplements, precursors for corona tests and pharmaceutical raw materials. These products are the company's response to global trends and developments. Alzchem is ideally positioned in this respect and considers itself well prepared for an environmental future and global developments.

The company employs around 1,630 people at four production sites in Germany and a plant in Sweden, as well as two sales companies in the United States and China. Alzchem generated Group sales of around EUR 422.3 million and EBITDA of around EUR 62.0 million in 2021.