

**Ministry of Agriculture and Forestry, Regions
and water management**

Federal Agriculture Research and Education Center
Institute for Animal, Technology and Environment
Department of Animal Husbandry Systems,
Technology and Emissions

 **HBLFA**
Raumberg-Gumpenstein
Landwirtschaft

Mr. Ernst Speer
Product Manager
Agrar Production & Consulting GmbH.
Ludersdorf 183
A-8200 Gleisdorf

Irdning, am 30. November 2022

Ihr Zeichen/Ihre Geschäftszahl
Ihre Nachricht vom:
11.11.2022

Unsere Geschäftszahl

1369/3.2/2022/Ze

Sachbearbeiter(in)/Klappe/e-mail
VB HR Ing. Eduard Zentner/DW 370
eduard.zentner@raumberg-gumpenstein.at

Betreff:
:

Confirmation scientific trials - APC

Dear Mr. Speer!

Thank you for your inquiry. Below we send you the following confirmation

" **APC HM/HZ 0.2%** ", natural feed additives from *Agrar Production and Consulting* have been investigated in two groups in repetition, for the possibilities **to reduce ammonia, other pollutant gases and smell and to evaluate possible effects on the performance in broiler production.**

With an IEP-direction accepted technology of measurement, which measures continuously harmful gases and additional parameters, **the APC HM/HZ 0.2% should be added on the BAT-List (best available techniques)**

- **Considerable lower Production costs**
- **More Sustainability**

Based on these results of investigation it is desirable to take the APC additives in the BAT-List. They are excellent qualified to reduce ammonia and smell in Broiler

Höhere Bundeslehr- und Forschungsanstalt für Landwirtschaft Raumberg-Gumpenstein,
Raumberg 38, 8952 Irdning, Telefon: +43 - (0)3682 - 224 51 - 0, Fax: +43 - (0)3682 - 224 51 - 210,
E-Mail: direktion@raumberg-gumpenstein.at, www.raumberg-gumpenstein.at -
DVR 0000183, Konto-Nr.: 5060 045 BLZ: 01000 BIC: BUNDATWW IBAN: AT290100000005060045
UID: ATU38701507 EORI-Nr.: ATEOS 100 002 8616 ÖNACE: 85.32-3 Schulkenzahl: 612730
Eine Dienststelle des Bundesministeriums für Land- u. Forstwirtschaft, Regionen u. Wasserwirtschaft



production. In evidence of a reduction of 35% ammonia in average indicates to point for that!

Approximately 10% of the effects are the result from a reduction of the crude protein input and 30% are the result from the APC feed additives. The possible reduction of protein is also an effect from these feed additives because they cause a better absorption of nutrients. **This is shown very clearly in the better performance.**

The results of reducing smell were similar. **The reduction in both trials was in the average of 37%.**

The results of the investigations show clearly that the *APC nat.add.* are an alternative method to reduce emissions from Broiler production and therefore an alternative to air cleaning technologies.

The investigated feed additives are in general a measure step for the reduction of emissions in the Broiler production and an alternative for cleaning the outgoing air.

If you have any questions, don't hesitate to contact us.

HR Ing. Eduard Zentner

A handwritten signature in black ink, appearing to read 'Eduard Zentner', with a stylized flourish at the end.

Department of Animal Husbandry Systems, Technology and Emissions