

## Field trial potatoes

Trial period May 2017 - ....., sort Royal

The field trial was carried out on a farm in Weiden, Upper Palatinate.

This trial involves potatoes grown on an area of 4 ha. This area was divided into 2 x 2 ha, with one part treated with BioAktiv Professional plants (A), and the other serving as the control group (B).

The aim is a more uniform and even tuber size and shape and thus an increased yield.

They are exclusively marketed in agricultural trade for the production of crisps.



Area A was pre-emergence treated (at the end of April) with a quantity of 1 kg/ha BioAktiv Professional plants.

On 30/05/2017, approx. 5 weeks following treatment with BioAktiv Professional Pflanzen, soil samples were taken. These were examined in the BioChem agrar laboratory in Gerichshain for the following parameters:

- Humus: this contains all the important nutrients for the plants and forms the habitat for soil organisms. The soil's pore system and thus its aeration and drainage is influenced positively, which among other things increases the soil's microbial activity.
- Biomass: is the mass of intact microbial cells in a soil under consideration.

Other parameters are determined and added after the harvest.



### **Trial report**

The parameter microbial biomass significantly increased in the treated area compared with the untreated area.

Microbial biomass is a measure of bioactivity in the soil, and this trial shows that the activity of the soil organisms has increased.

This suggests that the nutrient cycling in the soil increases and that with long-term use the soil-building processes are influenced positively.

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### Analysis Report

Contractor: BioAktiv-Pulver Produktions-  
und Vertriebs GmbH  
Bockwitzer Str. 80  
06712 Zeitz OT Würchwitz

Customer number: 773  
Analysis report no.: 17 1035 636  
Order date: 30 May 2017  
Sampling date: 30 May 2017  
Analysis period: 30 May to 08 June 2017  
Report date: 08 June 2017  
BioChem lab no.: 17/10084. 10085  
Sample type: Soil

### Analysis results

Sample no.	Lab no.	Humus %	Biomass mg C/100g DM
A	10084	2.0	27.8
B	10085	2.4	22.3

#### *Applicable test methods:*

*Humus: VDLUFA Methods Book Vol. I*

*Microbial biomass DIN EN ISO 14240-12011-09*

The analysis results are valid only for the tested samples.  
No part of an analysis report may be duplicated without the permission of the test laboratory.

(signature)

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