

Field trial winter rye

Landgut GmbH Staritz, Belgern

Crop:	Winter rye	Field:	Dröschkau, oberer Weg
Variety:	Bono (KWS)	Sowing quantity:	280 grains/ m ²
Date of sowing:	24/10/2017	Testing area with BioAktiv:	25 ha
Previous crop:	Grain maize	Treatment with BioAktiv:	20/03/2018
Total area under cultivation:	43.4 ha	Application quantity:	1 kg/ha
Herbicide treatment:	19/04/2018	Fertilisation:	03/04/2018
	Axial 50 1 l/ha	Kas	235 kg/ha (63 kg N)
	Pointer plus 50 g/ha		
	CCC 1 l/ha		



Visual inspection on 26/04/2018

Plant growth on the area treated with BioAktiv Professional Plants is much stronger and more even than on the control area. Similarly, only 5 weeks after being treated with BioAktiv, the plants are a noticeably darker green and show stronger root growth.

Overall, the stage of development of the area treated with BioAktiv Professional Plants was significantly more advanced. The plants are larger and the total volume of leaf mass is significantly higher, which in turn promotes assimilation capacity and photosynthesis.

The application of BioAktiv Professional Plants meant that the visible organic components (maize chaff) from the previous crop were fully utilised, converted and used for humus formation by the microorganisms in the soil. The soil is very loose and has a fine crumb structure.



Visual inspection on 26/04/2018



Visual inspection on 01/06/2018

The use of BioAktiv Professional Plants has a positive influence on soil life and soil physics.

Furthermore, the soil has much greater water retention capacity and is better able to supply the plants with plant-available nutrients. The plants are better able to tolerate prolonged dry phases without stress, because the groundwater can be stored in the soil.

The extreme weather conditions in the economic year 2017/2018 (very dry) have shown that the use of Bioaktiv Professional Plants makes a significant contribution to promoting the buffering capacity of a healthy soil. This is also reflected in higher crop yields.

