Anwendungsbericht/User Application Report

Produkt/Product:
Penergetic b
Penergetic p

Anwender/User:
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Datum/Date:
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Application of penergetic b and p in wheat

The farms are in the Central-West region with a semi-moist tropical climate near to Brasília, the capital of the country.

The wheat was grown on an area with the following management history.

The Penergetic Technology is used since 8 cycles on an irrigated pivot area and the rotation management was:

Millet / oats, beans, wheat, soy, corn seed, Crotalaria, wheat, pea, wheat, soybean, corn seeds.

The N-P-K fertilization was 100% spread uniformly all over the field.

On these fields there were only used Penergetic and biological products as seeds and furrow treatments.

Doses of Penergetic used for wheat:

- 250 g/ha of Penergetic b before planting or dissection
- 125 g/ha of Penergetic p when tillering
- 125 g/ha of Penergetic p when stretching/elongation

Biological treatments:

- Bradirizobium for Nitrogen fixation
- Trichoderma as fungicide, nematicide and promoters
- Bacillus subtilis as nematicide

The reached mean productivity of 137,45 Bags/ha Was a very high historic and a record yield. Just to for comparison, the mean yield of the neighbors is 115 Bags/ha.

Table with the reached productivities:

FARM	CULTIVAR	PLOT	AREA (ha)	N	P	K	YIELD Bags/ha
JACUBA	BRS-264*	PIVOT 1	150,0	300 kg UREA	100 kg 08-40-00	70 kg KCL	131,63
JACUBA	BRS-264	PIVOT 2	150,0	300 kg UREA	100 kg 08-40-00	70 kg KCL	142,31
JACUBA	BRS-264	PIVOT 3	148,5	300 kg UREA	100 kg 08-40-00	70 kg KCL	144,00
JACUBA	BRS-264	PIVOT 5	39,8	300 kg UREA	100 kg 08-40-00	70 kg KCL	148,00
7 IRMÃOS	BRS-394	PIVOT 10	15,5	300 kg UREA	100 kg 08-40-00	70 kg KCL	121,31
		TOTAL	**503,8**			**Ø**	**137,45**

Some pictures of the area:

The bioactivated area.

Soya pivot near all the bioactivated area.