

# Potato

## Crop: Seed Potatoes

FIELD TRIAL DETAILS		
Grower:	Özgörkey	Date of Planting: 26/05/2017
District:	Konuklar / Sarayönü /Konya-TURKEY	Date of 1st Application: 05/26/2017
Total Area:	100 da (10 Acres)	Date of 2nd Application: 06/23/2017
Trial Area:	50 da (5 Acres)	Date of Harvesting: 22/06/20017
Replicates	2 Applications	Method of Application: Seed coating followed by a furrow application.

### Applications

**Seed Coating: 100 ml of Bontera was mixed in 100 L of water. Seeds were soaked for.....and air-dried.**

Furrow: 100 ml Bontera mixed in 100 L of water. About 20-25 L sprayed per decare (0.1Acre)

	Yield/ Ha (Kg)	Average Yield value / Ha (₺)	Total Fertilizer In put cost (₺)	Actual revenues /Ha (₺) (minus input cost)	Increase in revenues/ Ha (₺)	% Increase in revenues compared to control
Control	4000	6000	1425	4575	-	-
Bontera	4500	6750	1500	5250	675	15
5% decrease in fertilizer	4500	6750	1432	5318	743	16
10% decrease in fertilizer	4500	6750	1370	5380	805	18
15% decrease in fertilizer	4500	6750	1314	5436	861	19

\* Market Price/ Ton: ₺ 1500



Total fertilizer input cost (₺) for potato farmers in Turkey/ Ha		
Fertilizer type	Total fertilizer input/ ha	Input Cost /Ha (₺)
12-12-14	500 kg.	600
7-18-20	450 kg.	630
Urea	200 Kg.	270
Ammonium sulfate (21)	200 Kg.	152
Potassium nitrate	150 Kg.	510
Humic acid	20 Lt.	100
Calcium nitrate	20 Kg.	45
Micronutrients	2 Kg.	70
Bontera	0,5 lt.	75
		<b>1500</b>



## Results

- About 12.5% increase in yields/ha in Bontera treated crops compared to control.
- Control crops suffered losses due to fungal disease caused by *Sclerotinia Sclerotiorum*, whereas crops treated with bontera showed little if any fungal disease suggesting that bontera microbes serve as biocontrol agents against this disease.
- Crops treated with bontera alongwith 15% reduction in chemical input showed upto 19% increase in revenues per hectare. This was a combined affect of (1) increase in crop yield due to bontera (2) reduced losses due to disease control/prevention and (3) reduced chemical input cost.