



| FIELD TRIAL DETAILS | |
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| Grower: Ziya Organik | Planting Date: 04/05/2017 |
| District: Lüleburgaz / Kırklareli- TURKEY | 1st Application: 04/05/2017 |
| Total Area: 150 da (15 hectares) | 2nd Application: 02/06/2017 |
| Trial Area: 100 da (10 hectares) | Harvest date: 02/09/2017 |
| Replicates: 2 Application | Application Method: Seed coating+ furrow application |

1st application: Seed Coating- 100 ml Bontera mixed with 10 Kg Sunflower seeds.

2th application: Furrow application after seed germination. 1 liter Bontera mixed with 1000 liters of water and applied on 50 decare (5 hectares) using a sprayer.

| | Yield/Ha in (kg) | Average Yield value / Ha (₺) | Total Fertilizer input cost (₺) | Total crop revenue/ ha in (₺) | Total revenues (minus input cost) ₺ |
|----------------|------------------|------------------------------|---------------------------------|-------------------------------|-------------------------------------|
| Control | 2070 | 3933 | 479.50 | 3453.50 | - |
| Bontera | 2150 | 4085 | 515.50 | 3569.50 | 115.50 |

*Commodity market price: ₺1900

| Fertilizer input cost for sunflower grower in Turkey/hectare | | |
|--|----------------------------|-------------------|
| Fertilizer type | Total fertilizer input/ ha | Input Cost/Ha (₺) |
| 23-12-9 + 1 Zn | 270 kg | 367 |
| Ammonium sulfate (21) | 150 kg | 112.50 |
| Bontera | 0.3 liter | 36.00 |
| | Total | 515.50 |

Results

- Compared to control, Bontera coated seeds showed better germination rate, healthier plants and higher yield.
- Bontera treated crop had much higher oil content/hectare

