Almina

Sunflower

Evaluation Report of Trial of the Product Named Almina
Established on Konya Aksaray Road by Minitalya Tarım (01.02.2023)

Differences and effects were tested by planting Pioneer sunflower seeds by using Almina soil conditioner in granule form in the field of İsmail Atarlar at the 10th kilometer of the Konya-Aksaray road.

In May 2022, the application and control plots, located side by side in the field, were determined.

- 24 kg /da fertilizer in the control plot,
- 24 kg/da fertilizer and 15 kg/da Almina (granules) in the application plot

were applied from the soil.

In the observations made, it was determined by the parties that the region where Almina application was applied showed superior performance in terms of height, color darkness, plate width, fullness rate and root development compared to the control plot.

It has been proven that the application of Almina releases the nutrients and minerals that cannot be taken in the soil and allows the plant to take it. Apart from this, it has been observed that thanks to its porous structure, it loosens and ventilates the soil with water/air circulation and benefits the development of the plant with its rich content.

Analysis Parameters	Unit	Control	Almina	Difference
Yield/da	KG	330	414	25 %

In the harvest measurements of Sunflower, approximately 330 kg/da Sunflower was obtained from the control plot and approximately 414 kg/da Sunflower was obtained from the application plot. As a result, the benefit of Almina was determined with a 25% increase.

When the economic return is calculated, it has been determined that it will provide a gain of approximately 1000 TL with a cost of 270 TL per decare.

Conclusion: This study, which resulted in the release of minerals bound in the soil, is proof that the product will also be beneficial in other plant species. The success demonstrated in this study will also benefit almost all other products produced in the agricultural sector.

We would like to thank İsmail Atarlar for enabling this study to be carried out, Gökhan Tosun who was our mentor in directing our studies, and the relevant engineers who contributed to the studies.