



# ZNB-35 F

ZINC BORATE 14.5% Boron, 29% Zinc

Greater stability and boost of  
performance in fertilizers



**Akdeniz Chemson**

*Beyond Additives*



## ZINC BORATE

### TWO EXCELLENT MICRONUTRIENTS IN ONE PRODUCT

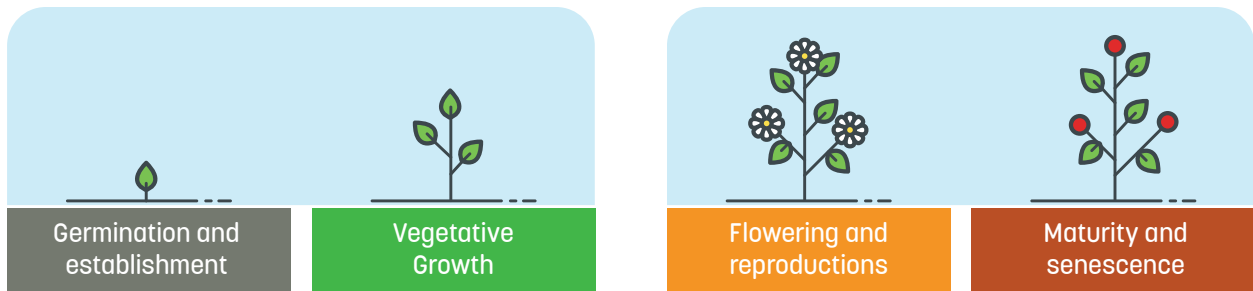
For decades, agriculture has been the backbone of human life. Plants require macro and micronutrients to grow. The use of chemical fertilizers has led to the agricultural transformation by improving the quality of yields. As Akdeniz Chemson, we are part of this revolution with our environment-friendly products. In every step we take, we are aware of our responsibility to the world. Zinc and Boron are two of the seven essential micronutrients which are used in various fertilizer compositions. The deficiency of zinc and borate in plants may result in devastating consequences such as major losses in crop production and quality.



### ZNB-35 F: GREATER STABILITY AND PERFORMANCE

As Akdeniz Chemson, we have developed ZNB-35 F to combine nutrient features of high-quality zinc and boron in one product with the chemical formula of  $2Zn0.3B203.3.5H2O$ . It is a product with high purity that offers greater stability for the soil, due to low solubility with its composition of 14.5% B and 29% Zn. ZNB-35 F is launched to promote the productivity of farmers all around the world thanks to its excellent physical and chemical properties.

## A SOURCE OF MICRONUTRIENTS THAT ARE REQUIRED THROUGHOUT THE GROWTH CYCLE



### Zinc:

- Carbohydrates formation (Fruit)
- Protein synthesis (stem)
- Growth regulation (stem)
- Seed formation (seed)
- Early stage growth (root)

### Boron:

- Germination of pollen grains (flower)
- Fruit formation (fruit)
- Sugar production (fruit)
- Seed setting (seed)

## CHEMICAL AND PHYSICAL PROPERTIES



Appearance (physical form)	Powder
Appearance (color)	White
Boron Trioxide Content (%)	46.5 - 49.5
Zinc Oxide Content (%)	37.0 - 40.0
Moisture	max. 1
Crystallization Water (%)	11.5 - 16.5
Particle Size d50 (micron)	max. 5
Dehydration Temperature	330 - 340 °C
Solubility (20°C)	< 0.28 %

## APPLICATIONS

### Zinc:

- Direct application in the soil/component as raw material
- Micronutrients coating
- Compound fertilizer
- Suspension fertilizer

## SOME AREAS OF USAGE

SOYBEAN



BEAN



CORN



COFFEE



WHEAT



COTTON



EUCALYPTUS



RICE



SUGARCANE



OLIVE



CITRUS



BROCCOLI



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## WHO WE ARE

Akdeniz Chemson, one of the leading producers of polymer additives, and the global market leader in the PVC stabilizers, is a vertically integrated company that manufactures many of its raw materials at its state-of-the-art production facilities.

With decades of experience, the company constantly keeps improving its production base and infrastructure across 5 continents including Australia, Austria, Brazil, China, Turkey and the United States; and maintains a robust global service network.

Pursuing a broad vision of continuous development in quality, people and sustainability, the company has garnered strong trust in domestic and international markets with high quality products that sold in more than 110 countries. The company works with a “one-stop-shop” approach for clients around the world to supply all their needs in the formulations from a unique point.

Furthermore, in line with the vision of becoming a Chemicals Portfolio company, Akdeniz Chemson develops chemicals for the production processes of specialty and niche chemicals for packaging, construction and the agricultural industries.



[www.akdenizchemson.com](http://www.akdenizchemson.com)

