

## **DB25** Power through crop stress

### What is DB25?

DB25 is a unique enzyme produced by a beneficial bacteria. Dakota Bio has developed a way to remove this enzyme from the bacteria and concentrate it to increase the response and benefit to the plant and to increase tank mix compatibilities. DB25 is a biotechnology that is the most effective enzyme in helping plants withstand stress, recover from stress and it increases nutrient efficiency. DB25 is most effective under temporary heat and drought stress in field crops.

### Economic Benefits of DB25

#### DB25 on Corn +8.5 bpa

3 years of replicated testing on ind research farms  
97% win rate  
3.7% yield increase

#### DB25 on Soy +2.2 bpa

3 years of replicated testing on ind research farms  
95% win rate  
3.4% yield increase

### Operational Benefits of DB25

#### DB25

- Can be applied Foliar or in furrow
- 1 pint (16oz) per acre use rate
- Compatible with herbicides, adjuvants, fungicides, liquid starter fertilizers and insecticides in tank mixes.
- Convenient package sizes
  - 2x2.5 gallon case treats 40 acres
  - 275 gallon shuttle treats 2200 acres





**Reduce negative effects of  
heat and drought stress**

**Apply before the stress**

**Increase nutrient  
efficiency and yield**

## **Agronomic Benefits of DB25**

**DB25 affects plants at the mitochondrial level. DB25 causes an increase in the number and output of healthy mitochondria. Increasing mitochondria number and output give plants the ability to withstand and recover from stress and increase nutrient efficiency. Mitochondria are in all plant cells, mitochondria consume nutrients and convert nutrients to energy. DB25 gives crops the best chance against heat, drought, pests, and disease.**

**Best when applied foliar with the first herbicide pass on your crop, DB25 needs to be in the plant before the stress.**

**DB25 is compatible in tank mixes with herbicides, fungicides and starter fertilizers.**

**DB25 works on all crops and plants.**

## **DB25 +8.5 bpa on corn, 3yrs of testing**



### **Dakota Bio**

Dakota Bio is a privately owned company with employees that have a long history in biologicals and US farming. We understand the challenges and demands on farmers and crop production.



### **What we do**

Dakota Bio uses advancements in biotechnology and beneficial microorganisms to create products that increase yields, crop nutritional value and farm income.



### **Born on Date**

Dakota Bio is the first and only supplier in the industry to use a born on date on our biological products. The born on date guarantees that your product is made fresh. Fresh and healthy biologicals perform better in your field.



### **Ultra High Purity**

Dakota Bio uses pharmaceutical and food grade fermentation for all of our biological products. This brings you the best products possible.



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