



ON COTTON

# Your switch to higher cotton yields.



## BENEFITS TO COTTON

- Enhances nutritional uptake
- Mitigates environmental stresses
- Improves yield and quality

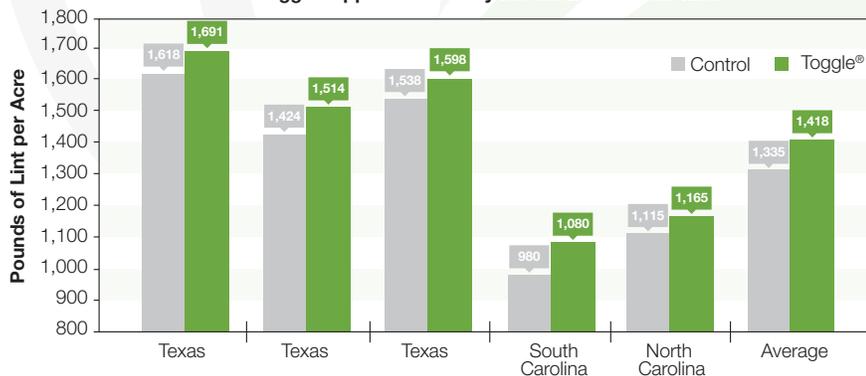
Specially developed for row crops, Toggle® is an innovative technology that is scientifically proven to boost yields. It works at the cellular level to improve plant growth and development. Through its complex array of specific active compounds, Toggle® enhances root development and nutrient uptake while increasing stress resistance, allowing crops to reach their full yield potential.

## TOGGLE® IMPROVES YIELD AND QUALITY

Less boll drop results in improved yield even in the toughest growing conditions. Toggle®-treated cotton had less boll drop under stress conditions than the non-treated plants. But, even when no stress is present, Toggle® improves yield by enhancing conditions for increased reproductive structures formation and development. Choose Toggle® and make the switch to higher yields.

### EFFECT OF TOGGLE® ON COTTON YIELD

Toggle® applied near early bloom and 2 weeks later



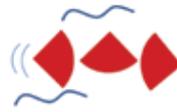
On average Toggle® increased cotton yield by 6%.



# HOW DOES TOGGLE® BENEFIT COTTON?

## ENHANCES NUTRITIONAL UPTAKE

Nutrients such as boron, manganese, iron and zinc are key to optimal cotton yields. Complexing sugars in Toggle® are proven to improve the bioavailability and translocation of these key nutrients within the plant. Better nutrition translates to better growth, for outstanding yields and top quality cotton.



By themselves, nutrients can get stuck and tied up.



A complexing sugar surrounds the nutrient and can easily carry it to where it is needed.

## MITIGATES ENVIRONMENTAL STRESSES

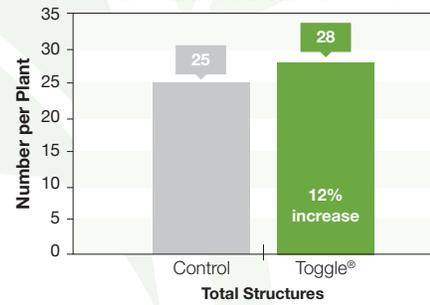
Stress is one of cotton's biggest enemies – it triggers boll abortion and in turn, yield loss. Toggle® improves your crop's performance under stress and reduces boll drop. With its numerous bioactive compounds such as mannitol, unique polysaccharides and betaines, it improves plants' tolerance to a variety of stressful growing conditions including drought, heat, chill and salinity stress.



This picture was taken during a field trial in Virginia, USA.

Toggle®-treated plants tolerated stress better and did not drop bolls under extreme heat.

### NUMBER OF REPRODUCTIVE STRUCTURES PER PLANT AFTER DROUGHT



## IMPROVES YIELD AND QUALITY

In the end, it is yield that matters. Toggle® enhances conditions for increased reproductive structure formation and development and helps cotton plants retain their bolls, leading to a more productive and profitable crop.



Cotton treated with Toggle® has more reproductive structures than the Control.

## RATES AND TIMINGS

**1st application:** 40 to 48 ounces per acre as a foliar broadcast at pinhead square

**2nd application:** 40 to 48 ounces per acre as a foliar broadcast two weeks after pinhead square

Additional applications can be made at times of stress.

Toggle® mixes well with nutrients and other agricultural products.

**Acadian**  
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