



## SILAGE CORN

Acadian® contains a complex mix of synergistic bioactive compounds that allow plants to reach their full yield potential. It improves plant quality and productivity by enhancing root growth, improving overall plant nutrition and bolstering tolerance to challenging growing conditions.

### BENEFITS TO SILAGE CORN

- Improves root growth
- Improves yield
- Increases Total Digestible Nutrients (TDN)

## ACADIAN® HELPS YOU HARVEST MORE THIS SEASON

Acadian® improves stomatal function allowing your crop to conserve water during heat and drought, meaning plants recover more quickly after re-watering and continue growing through the stress. It has also been shown to help plants better tolerate salt stress by limiting the uptake of sodium. This effect drastically reduces the phytotoxicity caused by salinity and improves the overall vigor of the crop. Using Acadian® promotes a resilient crop – enhancing both yield and quality of the feed.

### WET FIELD



CONTROL

ACADIAN®

### DRY FIELD



CONTROL

ACADIAN®

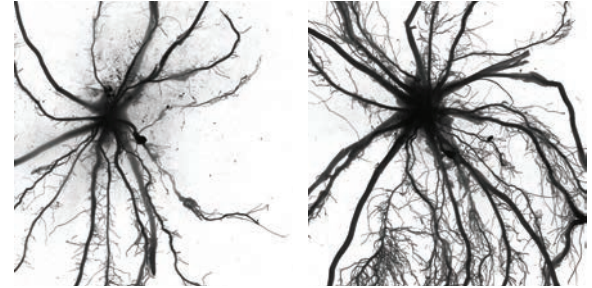
The two photographs show the same trial. Plants were harvested either from a wetter section of the field or a dryer section. Acadian®-treated silage corn plants (the three stalks on the right in each photo) show the advantage of Acadian® regardless of growing conditions.



# HOW DOES ACADIAN® BENEFIT SILAGE CORN?

- Enhances root growth by increasing the number of small absorptive roots that are key to water and nutrient uptake for vigorous, healthy growth.
- Protects plants from cellular damage and yield-robbing stress by promoting synthesis of natural compounds such as antioxidants and betaines.
- Generates a higher quality feed with higher Total Digestible Nutrients and milk per ton.

## ROOTS



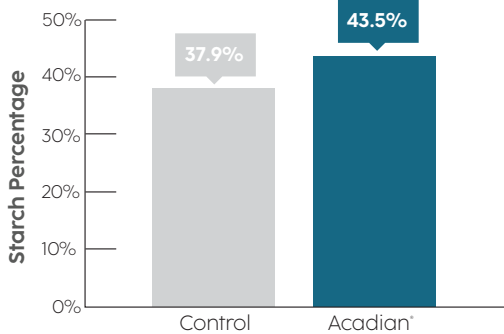
CONTROL

ACADIAN®

Roots in the Acadian®-treated plants were over 80% longer than the Control. Overall root volume was increased by over 140% from the Control, and the surface/absorptive area of the roots was 110% greater than the Control.

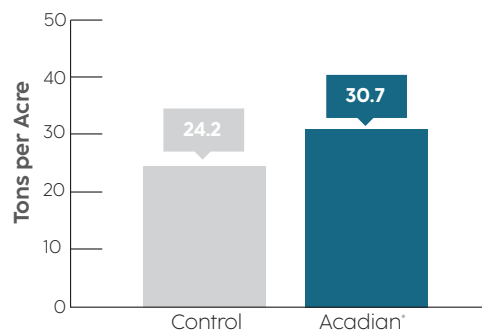
## ACADIAN® IMPROVES YIELD AND QUALITY

### STARCH CONTENT



Acadian® supports improved starch content, which converts to improved energy or feed value at harvest.

### TOTAL WEIGHT YIELD



Trials in California utilized a grower standard treatment plus side dress of Acadian® followed by one more treatment at V6 stage. Moistures of harvested plants were adjusted to 68% and weights were measured. Acadian®-treated plots produced 6.5 more tons per acre, a 27% increase.

## HOW DO I USE ACADIAN?

Acadian® is easy to use and suitable for foliar sprays and irrigation water applications. It can be tank mixed with most commonly used fertilizers, insecticides, fungicides and herbicides.

### APPLICATION TYPES

- Drip/soil
- Foliar
- Irrigation water
- Tank mixed with pest control and/or nutritional packages

## RATES AND TIMINGS

Apply Acadian® at:

- 3 oz per acre:** In-furrow or banded at planting, or with row starter
- 10 to 16 oz per acre:** Soil or foliar application at the pretassel stage

Applications can be made either foliar or to the soil. Apply 3-5 days prior to an anticipated stress

Acadian® mixes well with nutrients and other agricultural products.



Toll Free: 1 800 575 9100 • Tel: +1 902 468 2840  
 info@acadian.ca • WeSeaBeyond.com  
 30 Brown Avenue, Dartmouth  
 Nova Scotia, Canada, B3B 1X8