

ABIOTIC STRESS DEFENSE

**OXYCOM® Calcium Improves
Yield & Quality**
PECAN

RESEARCH OBJECTIVE

Measure abiotic stress in-season and in annual fruit drop by applying two pounds of **OXYCOM® Calcium** starting at fungicide application and repeated every other week. Harvest data was measured in volume, quality, and abiotic stress through hull and nut evaluations.

KEY OUTCOMES

Treated: 52 count @ 51.1% = \$2.05 valuation
Untreated: 56 count @ 48% = \$1.50 valuation

The outcomes above represent a significant increase in fruit value. The values per pound were provided by Renfro Pecan Group. Considering a 1,000 pound per acre yield, the Treated would have outperformed the Untreated by \$550 per acre.

The overall appearance of the trees were noticeably different. The treated block showed far less evidence of abiotic stress versus the untreated block which showed multiple stress events (pointed out by the grower).

BACKGROUND

The Pecan variety “Desirable” is popular and produces the highest value fruit grown in Georgia. This variety is susceptible to fruit drop due to the humid climate found in Georgia. These characteristics are turning growers away from the variety.

THE TRIAL



WHO:
Redox and AGN R&D



WHAT:

Product	Rate	Timing
OXYCOM® Calcium	2 lbs./acre	1st fungicide application and repeated every other week



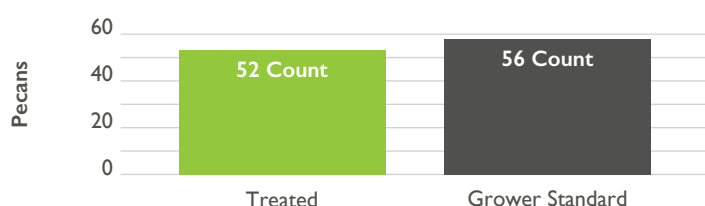
EVALUATION PARAMETERS:

- Yield
- Fruit Drop
- Fruit Quality
- Abiotic Stress

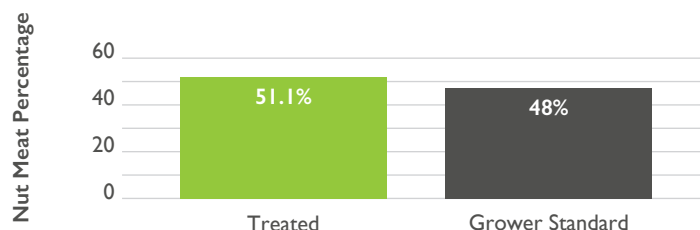


WHERE: Carter Pecan North-Brooks County, GA

Count Per Pound



Meat vs. Shell Ratio





Notes:

UNTREATED:



TREATED:

