



## Waters Agricultural Laboratories, Inc. Analytical and Microbiological Services

- Soil Testing
- Nematode Assays
- Plant Analysis
- Citrus, Peach, & Pecan Nutrient
   Program
- Pine/Hardwood Foliage Analysis
- Fertilizer Analysis
- Limestone and Gypsum Materials
- Feed Analysis
- Manure and Sludge Analysis
- Heavy Metal Analysis
- Microbiological Analysis
- Water Analysis

- Herbicide & Pesticide Residue
   Analysis
- Herbicide & Pesticide Analysis
- Aflatoxins and Mycotoxins
- Cotton Programs
- Onion Programs
- Golf Course Turf Management
   Program
- Precision Agricultural Mapping
   Services
- FieldAlytics/Agrian Mapping Services
- Research Analysis



### **New Services Update**

- Plant SAP analysis
- Becrop Soil DNA analysis







MEASURES NUTRIENT
CONCENTRATIONS
AVAILABLE TO THE PLANT AT
THE TIME OF SAMPLING.

ALLOWS YOU TO MONITOR NUTRIENT UPTAKE AND DETECT DEFICIENCIES BEFORE THEY BECOME VISIBLE.



MONITORING THE
NUTRIENTS IN PLANT SAP
PROVIDES IN-DEPTH,
PRACTICAL INSIGHTS INTO
THE FACTORS WHICH
INFLUENCE NUTRIENT
UPTAKE AT DIFFERENT
STAGES OF GROWTH.





# Benefits of SAP Analysis

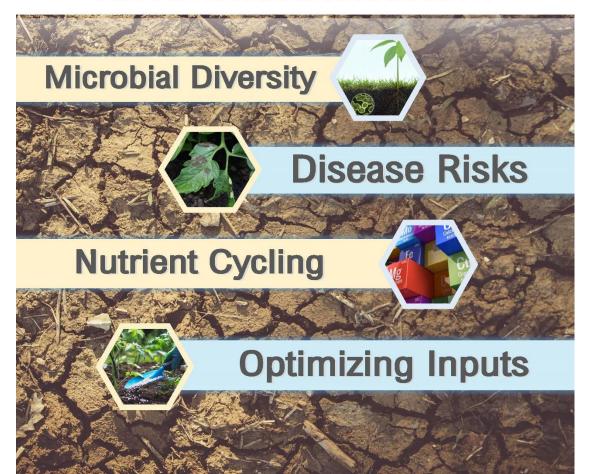


- Faster results, in many cases the same day the sample arrives in the laboratory
- Early detection of nutritional deficiencies before crop performance is affected
- Reveals varietal differences in nutrient uptake
- Better fertilizer decisions in timing, placement and fertilizer type
- Savings due to proper fertilizer applications
- Reliable yield and quality less deficiencies or imbalances, sustained growth
- Improved disease resistance of well-balanced crops
- An insight into growing conditions



### **DECODING DNA WITH MICROBIONE INTERACTIONS**

FOR SOIL HEALTH & SUSTAINABILITY



### **Biome Summary**



### **Soil Quality**



### Health

**HEALTH**MEDIUM

4

isease Risks foun

Crop health according to the pathogens detected

### Slight Risk Detected



**FUSARIUM DRY ROT** 





**FUSARIUM ROT** 

LOW Risk level



FUSARIUM WILT



PINK MOLD

### Not Detected

ALBINISM • ALTERNARIA BROWN SPOT • ALTERNARIA ROT • ANTHRACNOSE • AREOLATE LEAF SPOT •

BLACK MOLD ROT • BLACK ROOT ROT • BLUE MOLD • BOT GUMMOSIS • BOTRYTIS BLOSSOM AND TWIG

BLIGHT • BROWN ROT • BROWN WOOD ROT • CHARCOAL ROOT ROT • CITRUS BACTERIAL SPOT •

CITRUS BACTERIAL BLAST • CITRUS BLACK PIT • CITRUS BLIGHT DISEASE • CITRUS CANKER • CITRUS KNOT

DISEASE • CITRUS VARIEGATED CHLOROSIS • DAMPING-OFF • DIPLODIA STEM-END ROT • DOTHIORELLA

GUMMOSIS • DRY ROT • FLYSPECK • FOOT ROT AND GUMMOSIS • GRAY MOLD • GREASY SPOT •

GREEN MOLD • HEART ROT • MAL SECCO • MANCHA FOLIAR • MELANOSE • MUCOR FRUIT ROT •

MUSHROOM ROOT ROT • PHOMOPSIS STEM-END ROT • PLEOSPORA ROT • PORIA ROOT ROT •

POSTBLOOM FRUIT DROP • PSEUDOCERCOSPORA LEAF AND FRUIT SPOT • RHIZOPUS SOFT ROT • RIO

GRANDE GUMMOSIS • ROOTLET ROT • ROSELLINIA ROOT ROT • SCAB • SEPTORIA SPOT • SOOTY

BLOTCH OF CITRUS • SOUR ROT • TEXAS ROOT ROT • USTULINA ROOT ROT • WHISKER MOLD • WHITE

MOLD • WHITE ROOT ROT • WHITE WOOD ROT

### Biocontrol

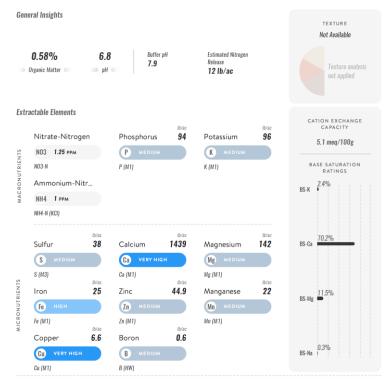
FUNGICIDE AGENTS VERY HIGH BACTERICIDE AGENTS NOT DETECTED

INSECTICIDE AGENTS MEDIUM NEMATICIDE AGENTS MEDIUM

Waters Agricultural Laboratories, Inc. Soil Analysis by Waters Ag Labs



### CHEMICAL FERTILITY RATINGS 4



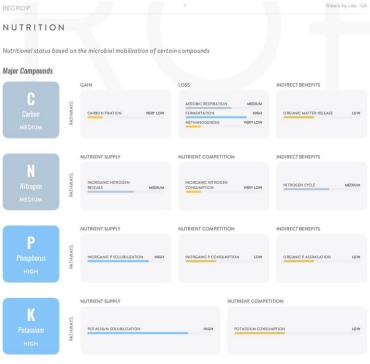
**Detrimental Elements** 

Sodium

Na 6 LB/AC Na (M1)

ELECTRICAL CONDUCTIVITY 0.037

Minor Compounds



₿ BECROP



## Contact Information

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