CROP QUEST
SOUTH TEXAS

• B.S. AGRONOMY, TEXAS A&M
• MAJOR CROPS: CORN, COTTON, MILO, PEANUTS, POTATOES
• MINOR CROPS: CUCUMBERS, SWEET CORN, GREEN BEANS, SESAME
Management Zones
Create with a trusted consultant and deliver decisions

Most of us recognize areas within fields that grow and respond differently to fertilizer, seed, water, and/or pesticides. By grouping areas within a field that have similar characteristics into management zones we allow for more efficient application of inputs.

Allow Us to Serve You
- Turnkey solution for variable rate seeding and prescription files
- Custom built zones to best fit your field
- Our team of networked consultants can accomplish any size of project
- Willing to explore opportunities at any location
- Combat rising prices by applying fertilizers where they are most beneficial
- Providing independent recommendations

Consult with experienced agronomists to maximize field and crop performance

Ask about our services designed for
- Producers
- Farm Managers
- Applicators
- Dealers

With Crop Quest's team of Agronomists and Precision Ag Specialists, you can be confident your information is being handled by professionals who understand farming - from soil to software.

For more Information or to Enroll
Visit Your Crop Quest Consultant
Call 620.225.2233
Email precisionag@cropquest.com
Web www.cropquest.com
Revealing
Soil Texture, pH, OM & Elevation
Know your field below the surface

Improve your field’s potential!

- Create management zones for effective variable rate applications of inputs (tine, fertilizers, seed, irrigation, …)
- Enhance NRCS soil maps with updated field specific soil EC/EM maps
- Gain a lifetime decision tool in a single EC/EM operation
- Integrate layers into variable rate irrigation and drip irrigation zones
- Ensure data integrity with a team of veteran operators
- Increase pH & OM sampling density vs. grid sampling

*Pressed for time? Multiple rigs are available to handle acre loads in a timely manner.
*Remote location? Willing to explore opportunities at any location.

Delivering quality data and teaming with you to provide solid management decisions

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Data is owned by you, the customer and recommendations go where you choose.

GET Started
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THE TOOLS

VERIS EC

GEONICS EM38 MK2
DIFFERENT TEXTURES, DIFFERENT CONDUCTIVITIES
SAME FIELD

Sand  Silt  Clay  Salinity

0  10  100  1000

EC 10  EC 35  EC 100
Soil Mapping Process

1. Identify Variability
2. Collect Soil Texture (EC/EM) Data
3. Analyze Results
4. Pull Zone Samples
5. Create VR Rec
6. Apply VR Rec
HOW TO PUT ZONES TO WORK?

- **Putting the product where it is most effective**

- Yields
  
  Improve productivity on fertility limited soils
  
  OR
  
  Limit input costs on unresponsive soils
Insightful Yield Analysis
A Report Card for Your Field

Crop Quest agronomists routinely utilize precision ag software required to assist with your yield mapping needs. Innovation is at the heart of our company, that’s evident in our weekly reports. Each employee-owner at Crop Quest uses SST Summit; Summitt helps us create those weekly field reports and enables us to work with a multitude of yield monitors.

6 Key Reasons to Interpret Yield Data

- Evaluate differences in yield (irrigation issues, nutrient deficiencies, variety differences, etc.)
- Create normalized yield maps showing the consistency low and high yielding areas
- Harness historical yield trends to establish yield goals and optimize nutrient applications
- Know more about the fields
- Benchmark areas and discover what is limiting yield
- Build management zones for variable rate applications

Go beyond a pretty picture; develop an action plan.

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HOW TO PUT YIELD DATA TO WORK?

1. AVERAGE NORMALIZED YIELDS
   - CONSISTENTLY HIGH OR LOW

2. VARIABLE YIELD GOALS
   - OPTIMIZE NITROGEN

3. MANAGEMENT ZONES
   - VR SEEDING / FERTILIZER
SATELLITE IMAGERY

NDVI IMAGES:

- Stress shows up ~TWO weeks before it’s visible to the naked eye
- Yield map in the middle of the season

Well Dropping Off
June 25, 2013

New Nozzle Package
July 21, 2013

Reduced Yield Loss
Aug. 4, 2013

NDVI Image
June 22, 2015

2015 Corn Yield

Crop Quest®
CREATING VR RECS

Top Dressing Wheat

Wheat NDVI Image

VR Rec

- Verify VR Recs:
  - Seeding
  - Fertility
  - Irrigation

- In season:
  - VR Top-dress
  - VR Side Dress
  - VR Growth Regulators
HAVE YOU MISSED ANYTHING?
phantom 2 vision + photo

NDVI image
winter kill in wheat
TRACKING COTTON ROOT ROT

- NDVI Image – July 11th, 2016
- NDVI Data Converted to Points
- 2016 Yield Data
VR TOP GUARD APPLICATION

IDENTIFY ROOT ROT AREAS

CREATE VR Rx

APPLY THE Rx

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<th>Example Rec</th>
<th>Unit</th>
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LAYERS IN A ZONE PRESCRIPTION

- Elevation
- Slope
- EC
- Imagery
- Zones
Grid Soil Sampling

Your Fields are more than just a number

Avoid the made-in-mass black box prescriptions and instead focus on prescriptions tailored to fit the needs of your field. Farming practices and fields are not the same from one operation to the next . So, why put blind faith into a cookie cutter approach?

Instead, invest in a fertility program developed around your operation. A program centered around a nutrient philosophy that you agree will reduce risk and promote yields.

PROMPTLY SERVING YOUR NEEDS

- Combat rising prices by applying fertilizers where they are most beneficial to the crop
- Simple, convenient dispatching of variable rate prescription files
- Willing to explore opportunities at any location
- Custom and standard 2.5 acre grid sizes
- Providing independent recommendations
- Our team of networked consultants can accomplish any size of project

Opt for prescriptions tailored to fit your field. Standout and step ahead of the competition.

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Data is owned by you, the customer and recommendations go where you choose.

Is grid sampling new to your farm?

Through Dec, 2014 you can try Grid Sampling on 40 acres for ONLY the cost of the soil analysis. Contact us for details.

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Variable Rate Irrigation
WATER FOR THE FUTURE, CROPS FOR TOMORROW

Variable Rate Irrigation systems are designed by our team of Agronomists and Precision Ag Specialists. Pair this with our weekly field scouting service (satellite imagery included) and we provide a turnkey solution built to ensure success, all season long.

- ENHANCE WATER USE
- OPTIMIZE PUMPING COSTS
- PREVENT “DOUBLE-WATERING” WHERE PIVOTS OVERLAP
- IMPROVE UNIFORMITY
- CREATE MULTIPLE R_2'S FOR SEASONAL CHANGES
- USE YOUR CURRENT SPRINKLER PACKAGE
- MONITOR IRRIGATION DECISIONS

FOR MORE INFORMATION OR TO ENROLL

Call: 620.225.2233 (Main Office)
Email: precisionag@cropquest.com

We look forward to visiting with you!
Topography Data Collection:

Water Management Services

- Drainage, Terraces, Field Leveling & VRI Design

Streamlined Design

By using the latest technology, the survey and design are efficient and accurate. This streamlines the entire process saving time and money. The result is a fix for ponding, gullies, silted terraces...

Field Leveling

Drainage

Terraces

3 Dimension Surfaces

After a topo survey data has been collected, the data is transmitted wirelessly. Now the design process can begin. A 3D surface is generated and analyzed for the best options. This surface allows for the correct placement of drainage, terraces, and/or field leveling. The process takes a few days compared to months from the NRCS divisions.
QUESTIONS???