

CROP QUEST

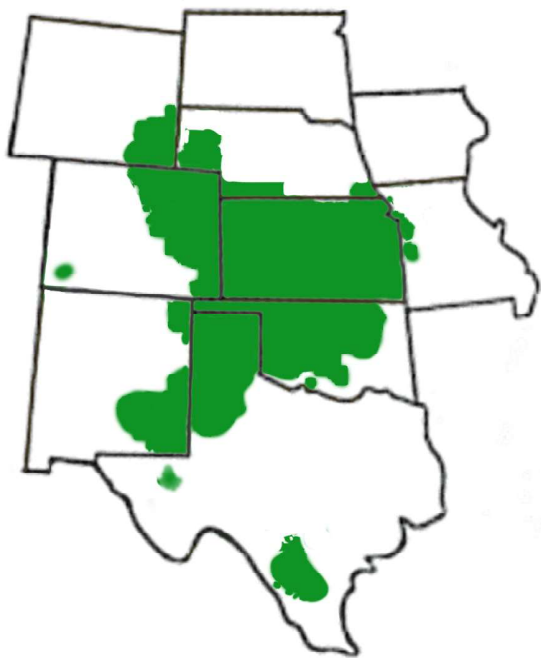
PRECISION AGRONOMY

less worry, less risk and
more growth potential



OUR NETWORK

Our network of Agronomists and Precision Ag Specialists offer unbiased crop production recommendations to producers in multiple states across the High Plains, and imagery services world-wide.



100% Independent and Employee Owned

Consulting on more than **1.7 MILLION ACRES** across the High Plains

Producers in **7 STATES**

We sell no products, we only provide professional recommendations.

CROP CONSULTING

Our network of agronomists can customize consulting packages to fit any size of operation.

Foundation Data

- Soil Texture, pH, OM, Elevation
- Grid Sampling
- Zone Sampling

Management Zones

- Variable Rate Recommendations
- Seeding, Fertility, Growth Regulator

Crop Monitoring

- Field Checks
- Imagery
- Irrigation Scheduling

Crop Planning

- Crop Rotation
- Crop Budget
- Fertility Management
- Seed Selection
- Yield Analysis

Water Management Services

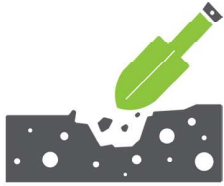
- Irrigation Management
- Water Drainage
- Tile Drainage
- Topo Services
- Water Meter Log App



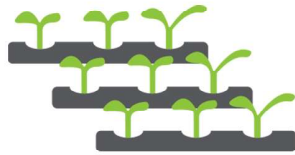
Crop Quest is an employee-owned company dedicated to providing the highest quality agricultural services for each customer. The quest of our network of professionals is to practice integrity and innovation to ensure our services are economically and environmentally sound.

FOUNDATION DATA

Know your fields **below the surface.**



Soil Texture



Elevation



pH



Organic Matter

Why Start With Soil Properties?

Mapping your soil will give you the basis for building management zones. We can build many recommendations and prescriptions once management zones are created.

Data can be collected **simultaneously.**



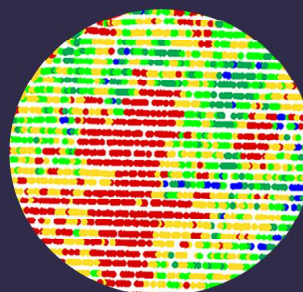


SOIL SAMPLING

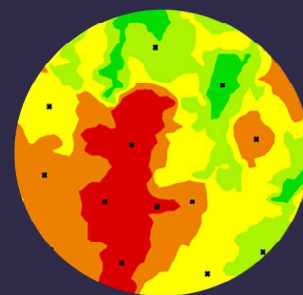
Zone Sampling

Identify productivity zones.

Collect samples from zones that have similar underlying soil types or properties.



EC/EM Data

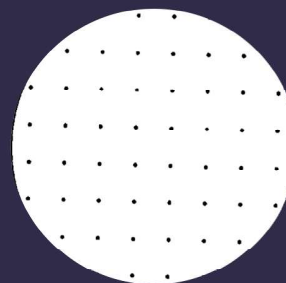


Interpolated Results

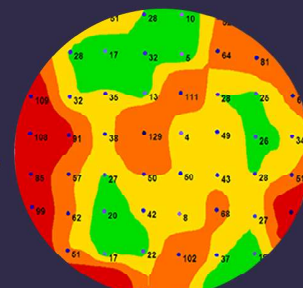
Grid Sampling

Fine-tune where nutrients or amendments may be necessary.

Best for pin-pointing specific nutrient levels throughout the field.



Grid Points



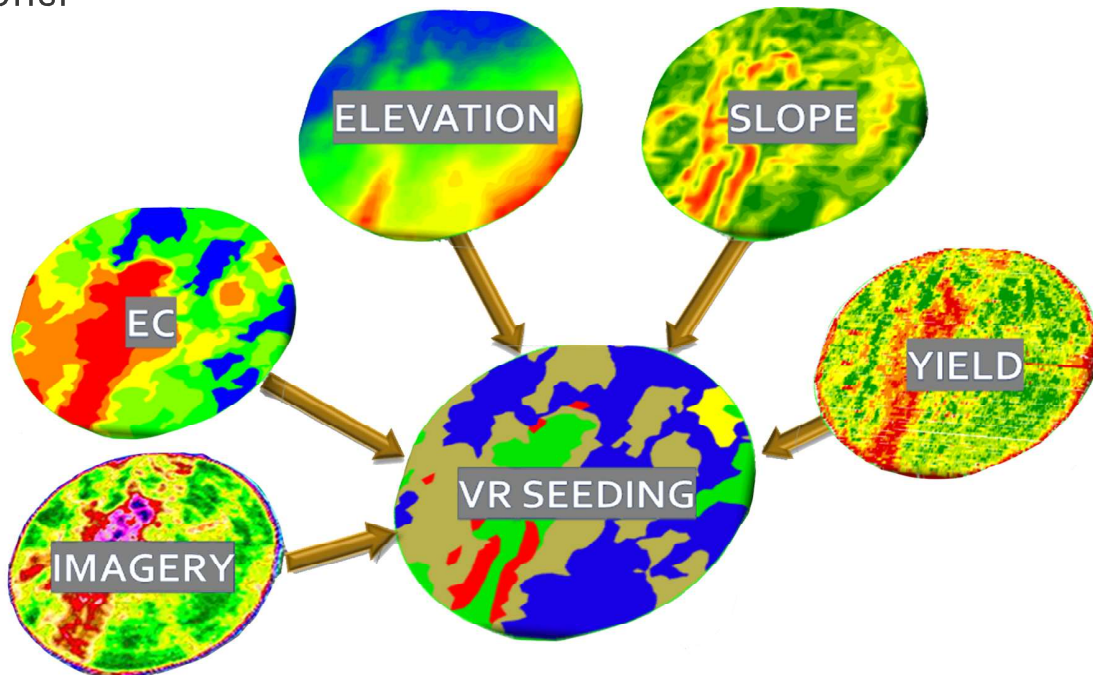
Interpolated Results



Example of Multi-Hybrid Prescription

WHY CREATE MANAGEMENT ZONES

Group areas within a field that have similar characteristics into management zones. Higher efficiency is attained with variable rate applications.



Work with your **Crop Quest Agronomist** to determine the best layers to use.

VARIABLE RATE FERTILITY

Utilizing grid samples, soil EC/EM data, pH, and organic matter to put the right **product**, at the right **rate**, on the right **zone**, at the right **time**.



MANURE

PHOSPHATE

BORON

GYPSUM

NITROGEN

POTASH

LIME

CHELATED IRON

ZINC

CROP MONITORING

Much more than *just a scout.*

Practicing **integrated pest management**, we monitor the overall health and progress of the crop.

Regular quality checks help minimize risk and control issues before they become a problem.



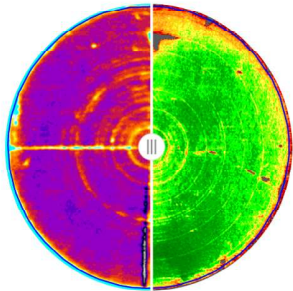
“In an ever-changing industry, trust an independent voice.”





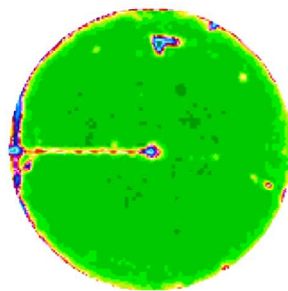
IMAGERY

Get a bird's eye view of your field. Turning images into usable information.



Aerial Imagery

- Higher resolution images
- Anomaly detection
- Crop performance



Satellite Imagery

- Cost Effective
- Multiple images per month
- Monitor field progress throughout the season



UAV Imagery

- Captures high definition photos or videos

Crop Damage - Pest Damage - Irrigation Patterns



CROP **PLANNING**

PRE-SEASON & IN-SEASON PLANNING

Services that fit **your operation**

Our Crop Quest Agronomists focus year round on the services that best fit your operation. Crop Quest assists clients in planning crop rotation, taking into account herbicide use, crop prices, weed problems and other variables. As a part of our full service program, our Agronomists can also generate crop budgets for each field.



Crop
Rotation



Crop
Budget



Fertility
Management



Seed
Selection



Irrigation
Scheduling

A little bit of planning can help ease you through the unexpected.

ON DEMAND VARIABLE RATE PRESCRIPTIONS

Stop throwing dollars away on the blanket approach

VR Seeding

VR Multi-Hybrid Seeding

VR Fertility

VR Irrigation



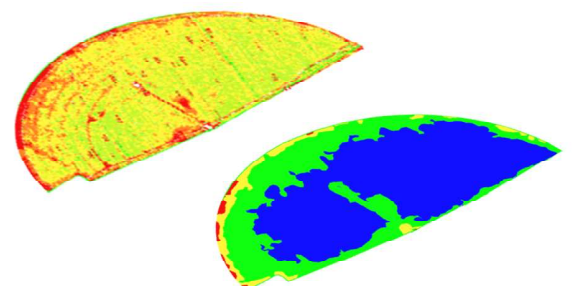
YIELD ANALYSIS

Discover geospatial trends and establish yield goals through multiple years of data.

Refine management zones and develop an action plan to improve VR nutrient applications.

Yield Goals

- High - 240 bu/ac
- Mid-High - 210 bu/ac
- Mid-Low - 180 bu/ac
- Low - 150 bu/ac



Yield maps are a report card.

PARAMOUNT REPORTS

GET YOUR DATA ANYTIME, ANYWHERE

Get the best reporting tool for agX data on the market. Created by Crop Quest, Paramount Reports is designed to work for you, whether you're in the field or at home, and on any device.

Crop Quest
Agronomic Services

Field Report

Crop Quest, Inc.
1204 W. Frontview St. Dodge City KS 67801
<https://www.cropquest.com>

Crop: Corn - 2021 Completed on: 07/29/21

Crop Scouting 119 ac

Growth Stage: Blister Condition: 5 - Average

Soil Moisture Status: Crop Available Water: 0.99 in / 4.0 ft Water Depleted: 22%

Forecast Water Use: Days of

7 Day PET: 2.29 in / week

	Mon	Tue	Wed	Thu	Fri
Crop Available Soil Water	0.99 in	0.72 in	0.33 in	0.00 in	0.00 in
Crop Water Use	0.27 in	0.39 in	0.45 in	0.45 in	0.32 in

Run continuous

Pest	Severity	Infestation Level	Stage	Location
☛ Rootworm Beetle, Western Corn	Light		Adults	
☛ Mite, Banks Grass	Trace		Adults	
☛ Leaf Spot, Gray	Light		Lesions	Lower Lea

Comments:
Mites and GLS still low on the plant. Ears look like they pollinated decent. No major problems.

Crop: Soyb

Crop Scouting

Growth Stage: 1st Bloom Condition: 5 - Average

Soil Moisture Status: Crop Available Water: 0.99 in / 4.0 ft Water Depleted:

Forecast Water Use:

7 Day PET: 1.37 in / week

	Mon	Tue	Wed	Thu
Crop Available Soil Water	0.99 in	0.83 in	0.60 in	0.33 in
Crop Water Use	0.16 in	0.23 in	0.27 in	0.27 in

Run 3-4 days, then go to corn

Text Message Conversation:

Today 9:23 AM

This week's field report. Field Report McDonald Farms

Paramount Reports app.paramountreports.com

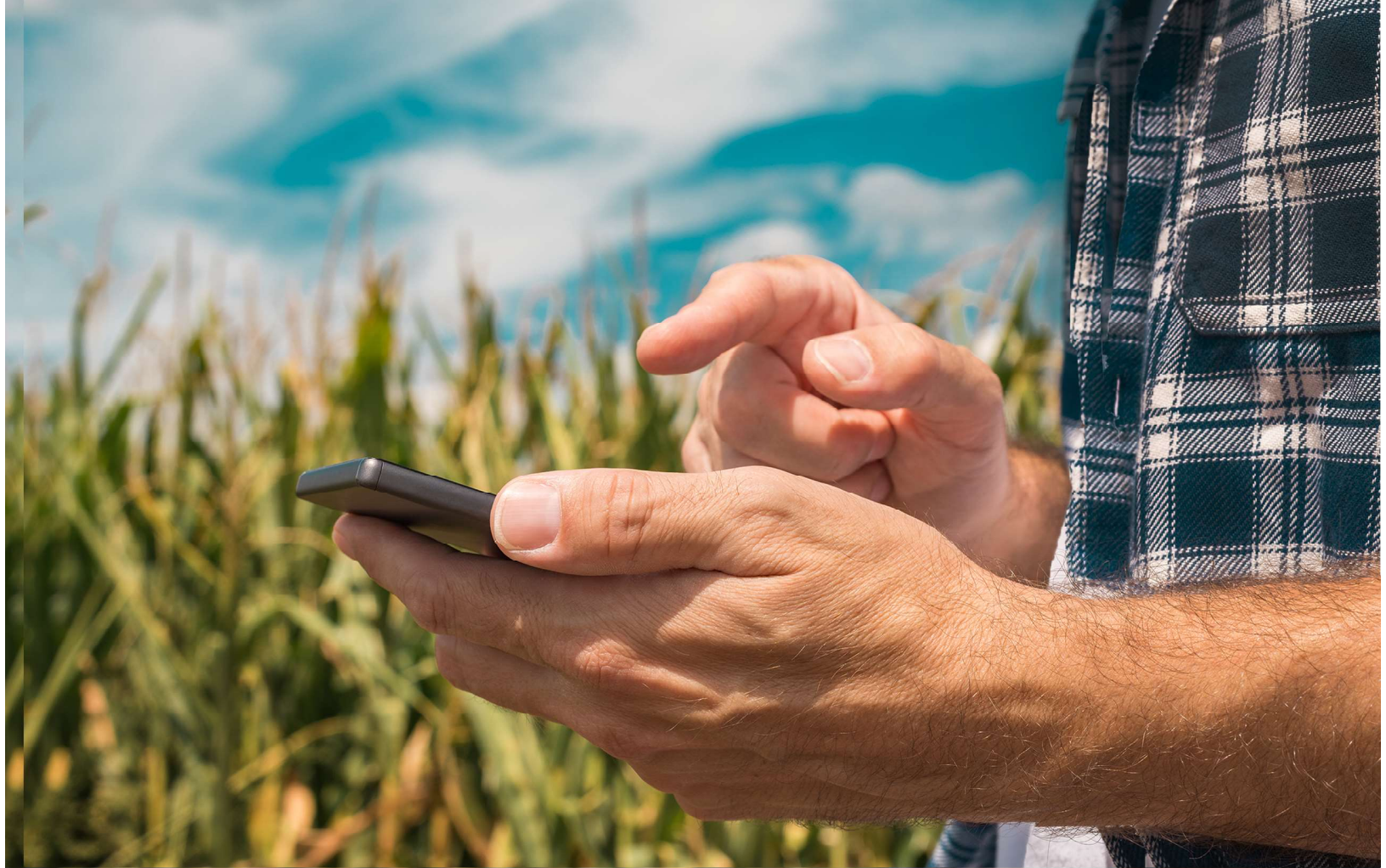
We need to treat weeds on Smith Circle. Recommendation Summary McDonald Farms

Paramount Reports app.paramountreports.com

Do the beans need sprayed today?

Wednesday at the latest.

👍



DETAILED FIELD REPORTS

Each report contains weed, insect and disease scouting results, maps highlighting field conditions, irrigation scheduling information and ag-chemical recommendations.

Understand Your Farm, from Soil to Software

- Growth Stage by Date
- Soil Test Summary
- Crop Population
- Recommendation Summary
- Management Zone Soil Tests
- Management Zone Prescriptions
- Soil Moisture Chart
- Pre-Season Field Plan
- Sprayer Load Sheet
- Supply List
- Soil Test Charts
- Irrigation Recommendation



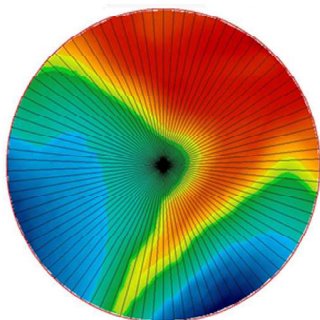
WATER **MANAGEMENT**

Understanding soil structure and water holding capacities in your field can lead to better irrigation management and crop health.

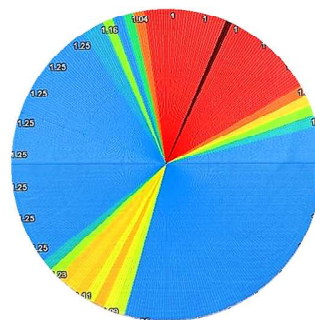
IRRIGATION MANAGEMENT

- Soil Moisture Monitoring
- Irrigation Scheduling
- VR Irrigation Recommendations

Variable Rate Irrigation



Slope, Elevation, Soil Texture
and/or Yield Data



VRI Recommendation

**Compatible on almost all pivot brands, makes & models.
*Must have telematics devices installed on pivot.***

WATER DRAINAGE SOLUTIONS

- Eliminate **water holes**.
- Direct **runoff** efficiently off your field.
- **Integrated mapping** allows for the least amount of soil movement to reduce drainage costs.



Topography
Survey



Field
Leveling



Build
Terraces



Drainage
Ditching



Tile Drainage
Design

Have Drainage Issues?

**With our innovative drainage program,
the results can be significant and immediate!**

SERVICES TO FIT YOUR OPERATION

We have all types of tools at our disposal to make the **best decisions on your operation.**

Our **Agronomy and Precision Ag Services** can be customized to fit your needs.



CROP QUEST

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