#### Mastering a Marketable Niche with Customized Precision Problem-Solving

Matt Miller Product Specialist Butler Ag Equipment January 7-8, 2019



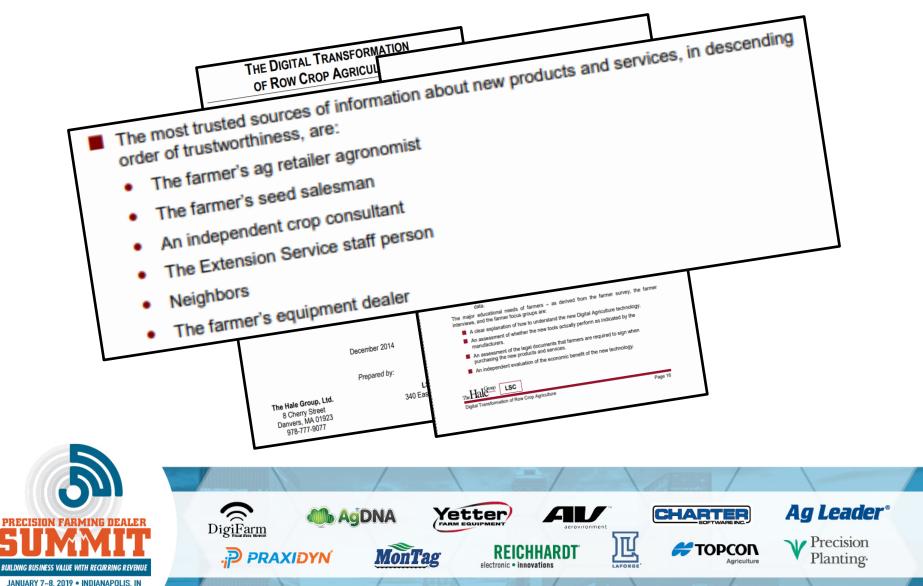
### Butler Machinery Co.

- 18 Stores in 3 states
- AGCO, CAT, and others as well as various short lines
- Various technology brands





#### Hale Group Survey - 2014



## "Marketable Niche"

- Necessity to growing business
- Most of us have this, maybe without realizing it
- "Differentiator"
- Target market



#### **RTK Correction Solution**

#### "We need an affordable, reliable, flexible RTK correction source for our customers."

- Existing RTK Base network has its limitations
   Distance, frequency, brand, etc.
- Solution that has an acceptable ROI
- Solution that adapts/integrates into other technologies



## **RTK Correction Solution**

"We need an affordable, reliable, flexible RTK correction source *with other benefits*."

- Data management wireless data transfer
- Sharing coverage, guidance lines, yield mapping with multiple machines
- Optional in-cab Wifi for other devices

PRAXIDYN

ANUARY 7-8, 2019 • INDIANAPOLIS, IN

 Remote Support – reduce down time, resolve issues guicker

Yetter

CHART

ΓΟΡΟΟΓΛ

Ag Leader®

Precision

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## **RTK Correction Solution**

"We need an affordable, reliable, flexible RTK correction source with other benefits **and growth**."

- Expandable future revenue streams
   Used in other industries
- Managed & supported internally

– Minimal personnel and utilize IT Dept.





The Virtual Reference Stations (VRS) are networked using the latest in positioning software from Trimble, utilizing multiple GPS and Glonass (GNSS) Base Stations located across North and South Dakota. Each location was selected and installed based on the NGS (National Geodetic Survey) guidelines to ensure a high level of network performance.









Our solution is for...

Anyone with RTK correction needs that has sufficient cell coverage simply connects via a cell modem or Wi-Fi Hotspot for a personalized signal, specific to their location without the hassle of setting up a base station or radio.





Precision Planting

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REICHHARDT

electronic • innovations





MonTag

PRAXIDYN







- Subscription based
- Competitively priced
- Colorblind
- Full accuracy within the VRS network
- Scalable for the customer
  - If there's a modem/hotspot in the cab...



#### Exceptional, reliable, RTK accuracy provided by the VRS Network











Exceptional, reliable accuracy with two-way data transfer powered by Butler's MidStates VRS cellular based Network. NextSwath End Row turn technology provided by Trimble.



# Spring 2018

- Roundtable discussion
- Goals for 2018
- Increase new planter sales
- Increase awareness of our product offering



## AGCO Crop Tour

- Started in 2016
- Centered around White Planters with Precision Planting factory components
- Grower field events
- "Real Personalized Data"
  - Plot results and Planter ROI









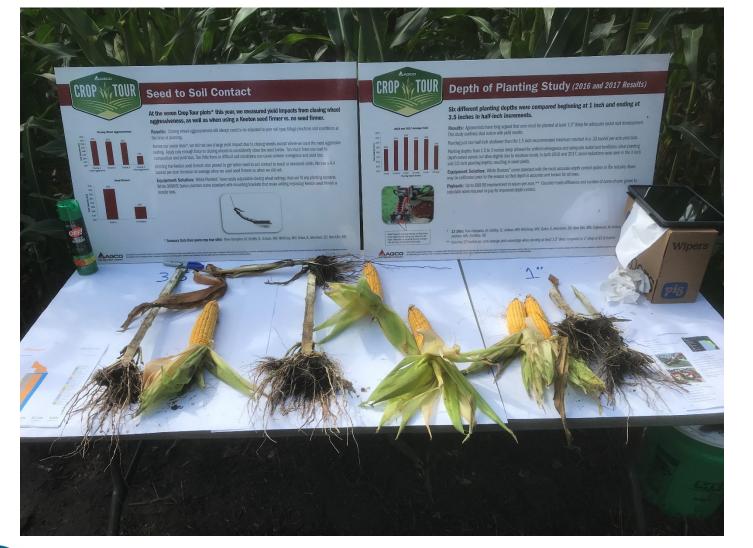




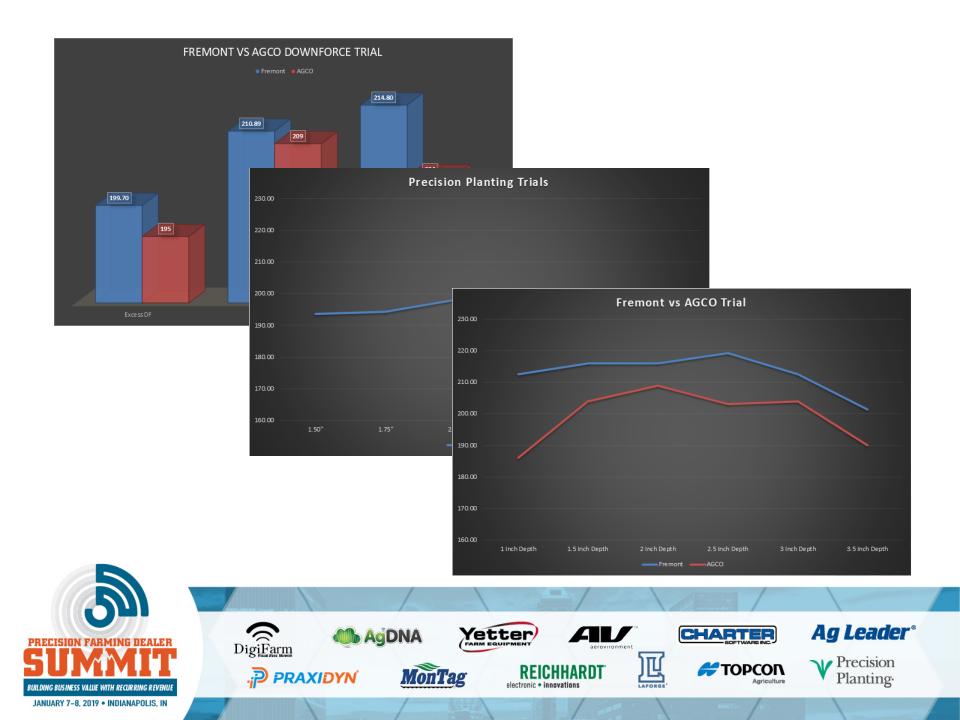












## **Talking Data**

- Touchpoints more is better!
- Agronomic discussions
- Showing ROI without overselling/under delivering



## Food for thought...

- Know your target market
- Know your "options"
- Take reasonable risk
- Be consistent
- Make allies







#### Mastering a Marketable Niche with Customized Precision Problem-Solving

Jason Leary Ag Technology Manager Crystal Valley Co-op January 7-8, 2019



#### **Crystal Valley**

- South Central Minnesota & Northern Iowa
  Ag Retail – (Agronomy,
  - Energy, Grain, Feed)



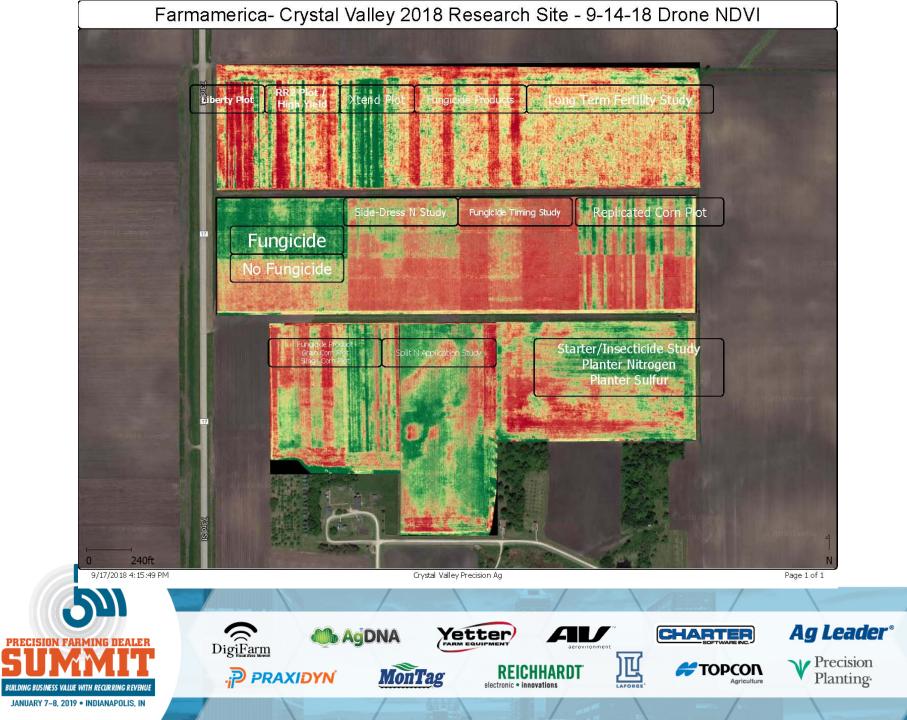
- Local Research
- Crystal N-Sight
- Crystal Vue

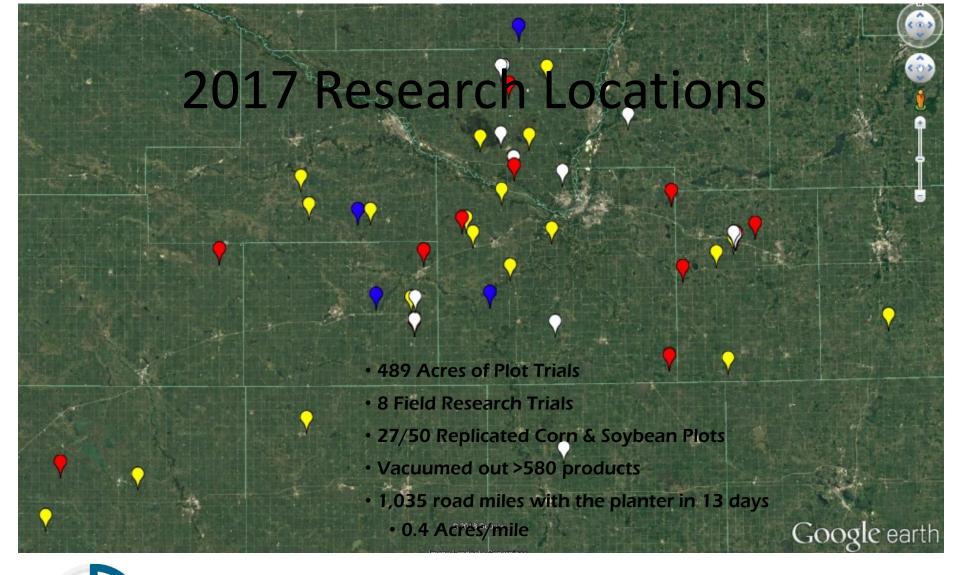




#### Local Research









# Personalized & Scalable

- Finding the balance between personalized service that can be scalable.
- A lot of computer generated Nitrogen & seed prescriptions out there that are fast & easy but not personalized.
- Be able to edit recs and make customer feel comfortable.

**Crystal N-Sight** 

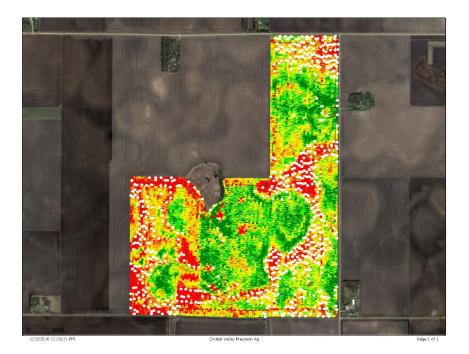
By Crystal Valley 😽

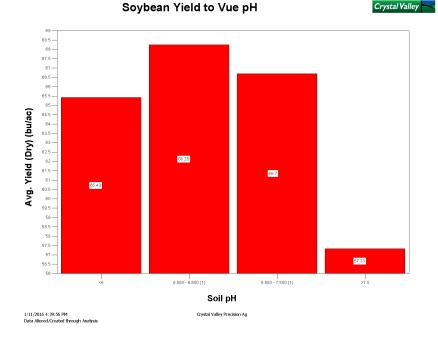
Crop Health Imagery & Y-Drop Placement for Variable Rate In-Season Nitrogen

Custom VR Sidedress Nitrogen Program
In-Season Plant Health Based
7-20 GPA Application Range
23-65 lb N/Acre
Includes:
Plant Health Image
Custom Prescription
VR Y-Drop Application



#### **Direct Correlation to Yield**







## Visual \$ Gains or Savings

2.5 Acre Grid Sample pH

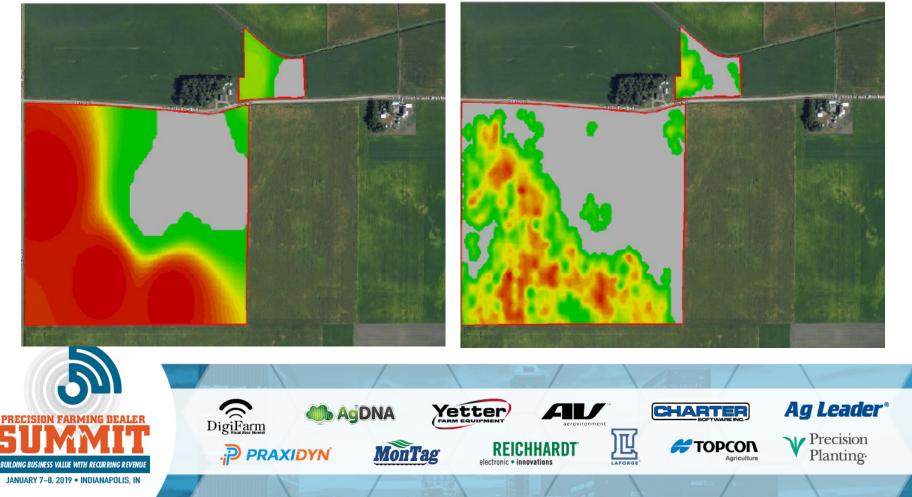
366 Tons of Lime

\$12,078 lime Cost

**Crystal Vue pH** 

189 Tons of Lime

\$6,237 Lime Cost







#### Mastering a Marketable Niche with Customized Precision Problem-Solving

P.J. McCullough Precision Ag Sales McCullough Implement January 7-8, 2019



- PJ McCullough
- McCullough Implement Co.
- Watseka, Illinois

- Sales / Product Specialist 2005
- pjmccimp@mediacombb.net





Smaller Farmers (<1000 Ac.) Older / Smaller Equipment Newer Equipment that is not "Steer Ready"



- How accurate do you need to be???
   WAAS or RTK
- Repeatability Pass to Pass or Seasonal



#### STEP 2 Performance Expectations from Assisted Steering Systems





Without Guidance
 With Guidance



- Without Guidance
   With Guidance
- 13' per pass
  1/4 mile = 101 passes



- Without Guidance
   With Guidance
- 13' per pass
  1/4 mile = 101 passes
- 14' per pass
  1/4 mile = 94 passes



- Without Guidance
   With Guidance
- 13' per pass
  1/4 mile = 101 passes
- 14' per pass
  1/4 mile = 94 passes

- 15' per pass
  - 1/4 mile = 88 passes



- 101 vs. 88 = 13% savings
- 94 vs. 88 = 7% savings

• Split the Middle = 10% savings



WAAS Pass to Pass accuracy ~ 3-6 in.
 Seeding with Drill or Planter



- WAAS Pass to Pass accuracy ~ 3-6 in.
   Seeding with Drill or Planter
- Outback Rebel Display\$2,495
- Outback E-Drive XD <u>\$3,495</u>



- WAAS Pass to Pass accuracy ~ 3-6 in.
   Seeding with Drill or Planter
- Outback Rebel Display\$2,495
- Outback E-Drive XD <u>\$3,495</u> Total \$6,990





• Drill Cash Crop \$18.50 \* 50 = \$925



Drill Cash Crop \$18.50 \* 50 = \$925
 Seed Savings \$75.00 \* 50 = \$3750



- Drill Cash Crop
   Seed Savings
- Drill Cover Crop

- \$18.50 \* 50 = \$ 925
- \$75.00 \* 50 = \$3750
- \$18.50 \* 50 = \$ 925



- Drill Cash Crop Seed Savings
- Drill Cover Crop Seed Savings

- \$18.50 \* 50 = \$ 925
- \$75.00 \* 50 = \$3750
- \$18.50 \* 50 = \$ 925
- \$27.00 \* 50 = <u>\$1375</u>



- Drill Cash Crop Seed Savings
- Drill Cover Crop Seed Savings

- \$18.50 \* 50 = \$ 925
- \$75.00 \* 50 = \$3750
- \$18.50 \* 50 = \$ 925
- \$27.00 \* 50 = <u>\$1375</u>
  - Total \$6975



- East / Central Illinois
  - Square Fields
  - 16 and 24 row planters
  - Familiar with ½ width point row shutoffs



- Square 80 Acre Fields
  - $-\frac{1}{4}$  mile wide x  $\frac{1}{2}$  mile long



• Square 80 Acre Field

-¼ mile wide x ½ mile long

- 1320' x 10' x 2 headlands = 26,400 ft<sup>2</sup>
- 60% of 1 acre double planted



- \$400 per unit Seed Corn Price
- @35,000 Plant 2.25 ac per unit



• Farmer Saves \$80 per 80 ac Field



Hard to Calculate Savings

- Personal / Physical (Comfort) Savings
- Ability to Closely Monitor Equipment
- Less Equipment Wear and Tear



# **Questions?**

#### Thank You!!

