Precision Ag Successes

Jason Boersma – Ridge Valley Farms

Mike Wilson – Thompsons Limited

Farm goals

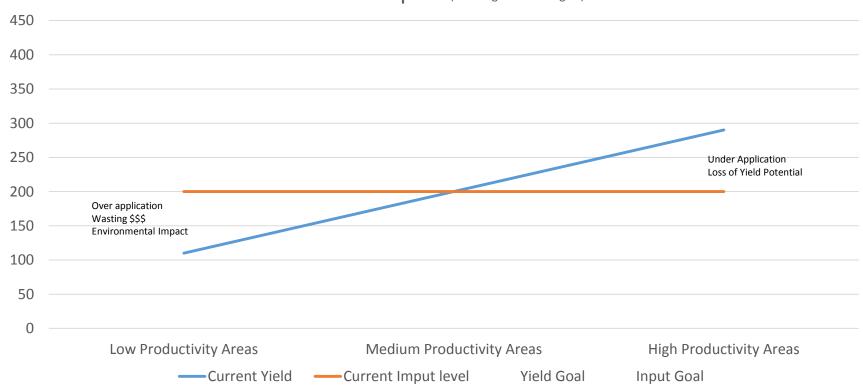
- Every field is unique to itself (soil type, drainage, contour)
- Each zone in each field is also unique to itself
- Must manage each zone in every field its fullest potential
- We can only manage what we can measure! (Record everything)
- Are no longer farming in bu/ac but in \$/ac
- Maximize profits, aim for a 15% ROI
- All well maintaining good farming practices, land stewardship and safety standards

Where we are at today?????

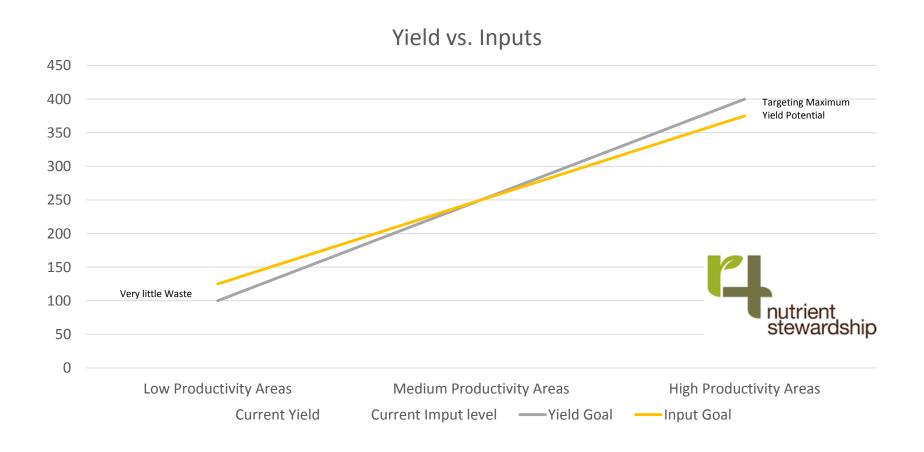
- Fully embraced, precision ag & zone management
- 8 years worth of yield data
- VR every input possible for last 4 years
- 20 years of Variable Rate Fertilizer and Site Specific Soil sampling
- Working with profitability to drive forward (\$/ac)
- Focused on poorest areas first; cutting cost to increase profit.
- Next step is to push the higher yielding areas to produce more, and find the economic threshold for each zone in each field.

Previous Farming Practices

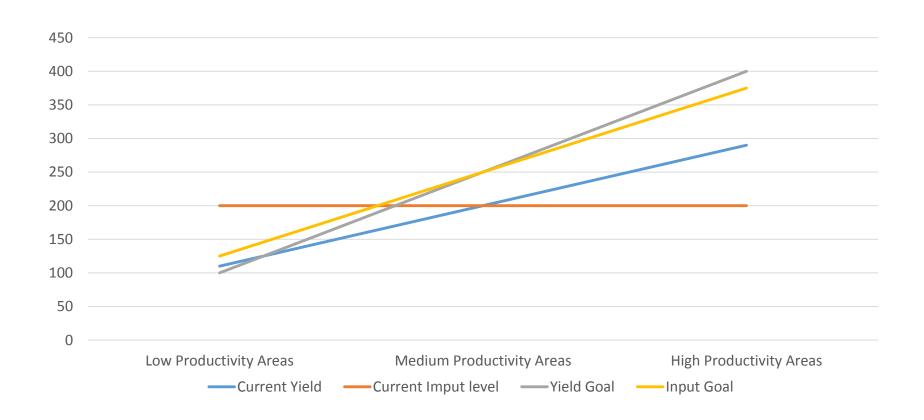




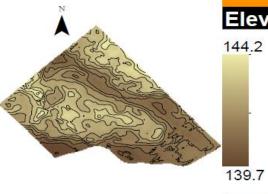
Technology improved our Farming Practices

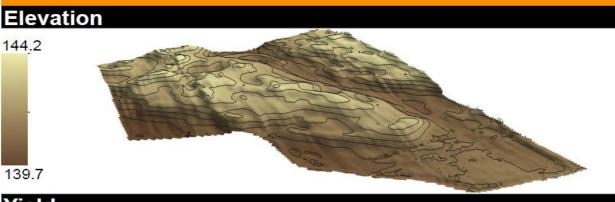


Yesterday vs. Today

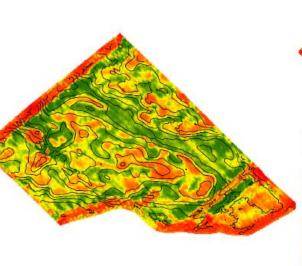


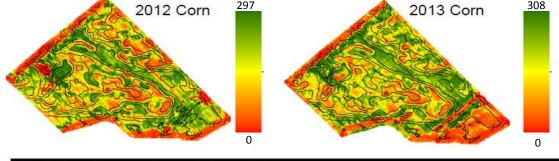
Every field has variability. Are you managing yours?



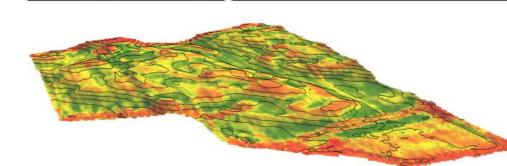


Yield





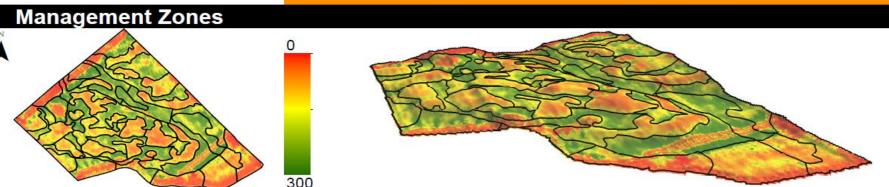
Yield: Normalized Average



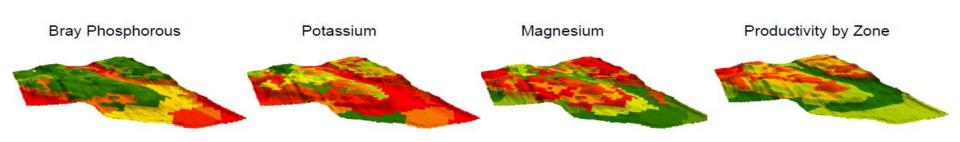




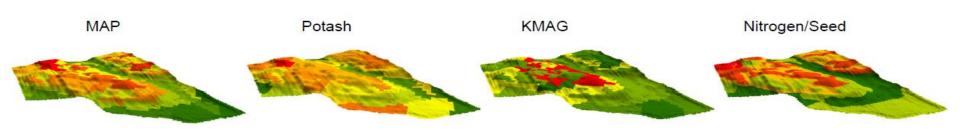
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Soil Sample Analysis Layers



Recommendations



Profitability: Field Records (Straight Rate Info)

We must accurately track all Operations preformed on a field

- Tillage
- Planting
- Chemical Applications

Herbicide

Fungicide

Insecticide

Fertilizer Application

Fall or Spring Broadcast

Planter Starter

Side Dress N (Early or Late)

Agronomy Services

Prescription Fee

Scouting

Imagery

Yield Processing

Profitability Mapping

Harvest Costs

Combining

Trucking

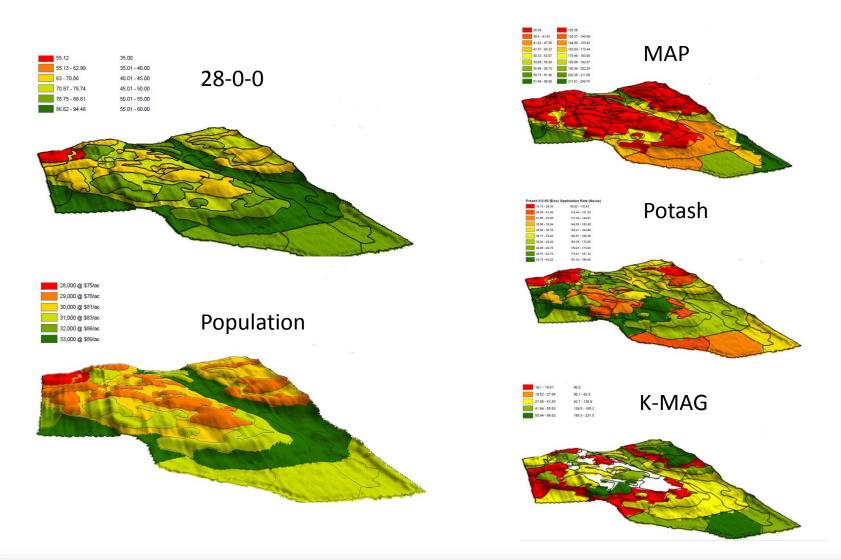
Drying

Elevation

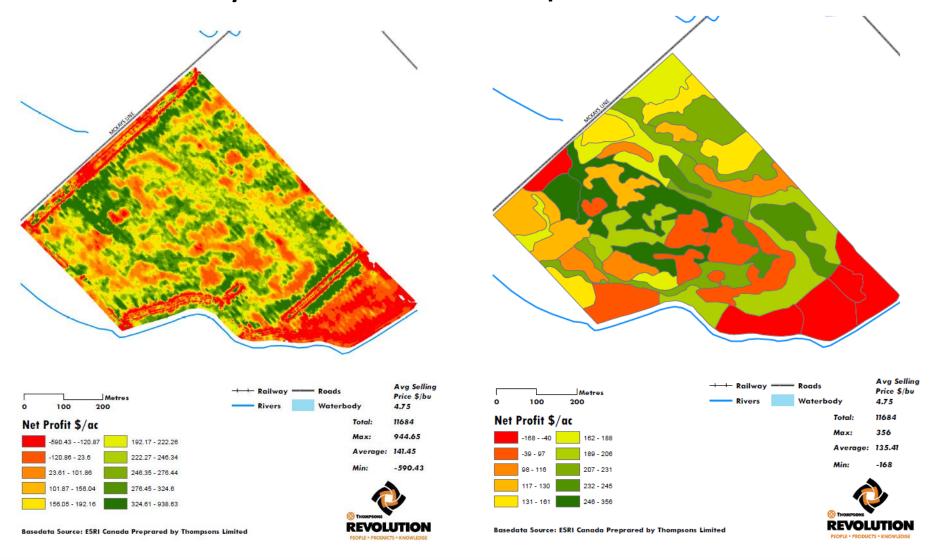
The list continues!



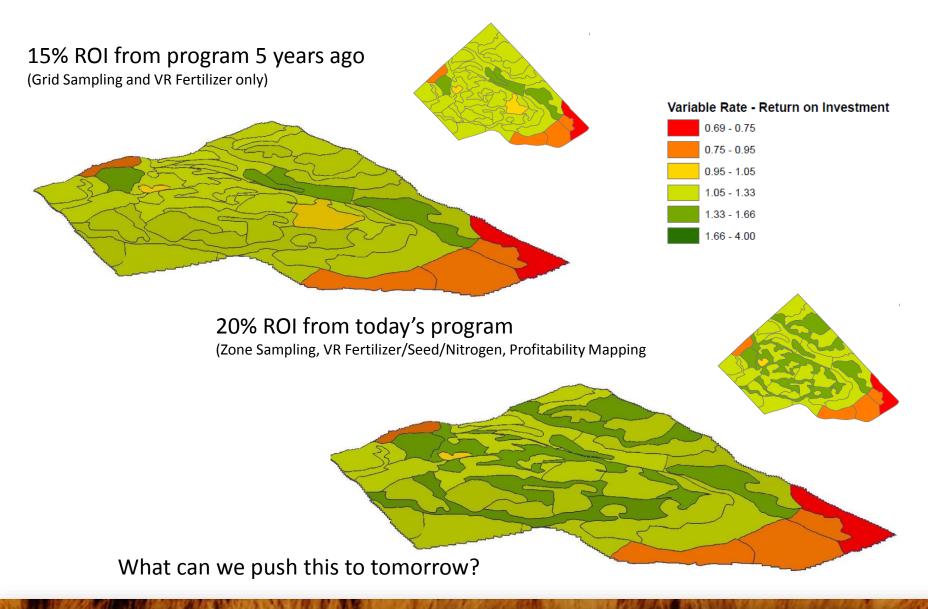
Profitability: As-Applied Data (Variable Rate Info)



Profitability: Net Income Map



A long-term Investment in Precision Ag = A Positive Change Over Time





Conclusions:

- We have stopped farming based on bushels per acre and now measure our performance with dollars per acre and with calculated return on investment numbers.
- If we continue to farm based on our farm average, we will continue to harvest average yields.
- Precision Ag has allowed us to measure more about our operation and also so manage it more effectively.
- We have tackled the easier low producing areas first reducing costs to increase profitability. Over the next few years we look to economically increase yield in the high producing areas to produce more.
- You don't have to tackle this alone. There many ways to start this process. Ask for help from someone with experience.



Thank You

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&
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