

A Farmers Approach to Identifying & Adopting Management Practices for High Yields

David Hula





A & L LABORATORIES
THE ONE SOURCE



PIONEER[®]
A DUPONT BUSINESS

KINZE



Bayer

MONSANTO



**Crop
Production
Services**



Renwood Farms, Inc.







Renwood Farms, Inc.



"Yield Management"

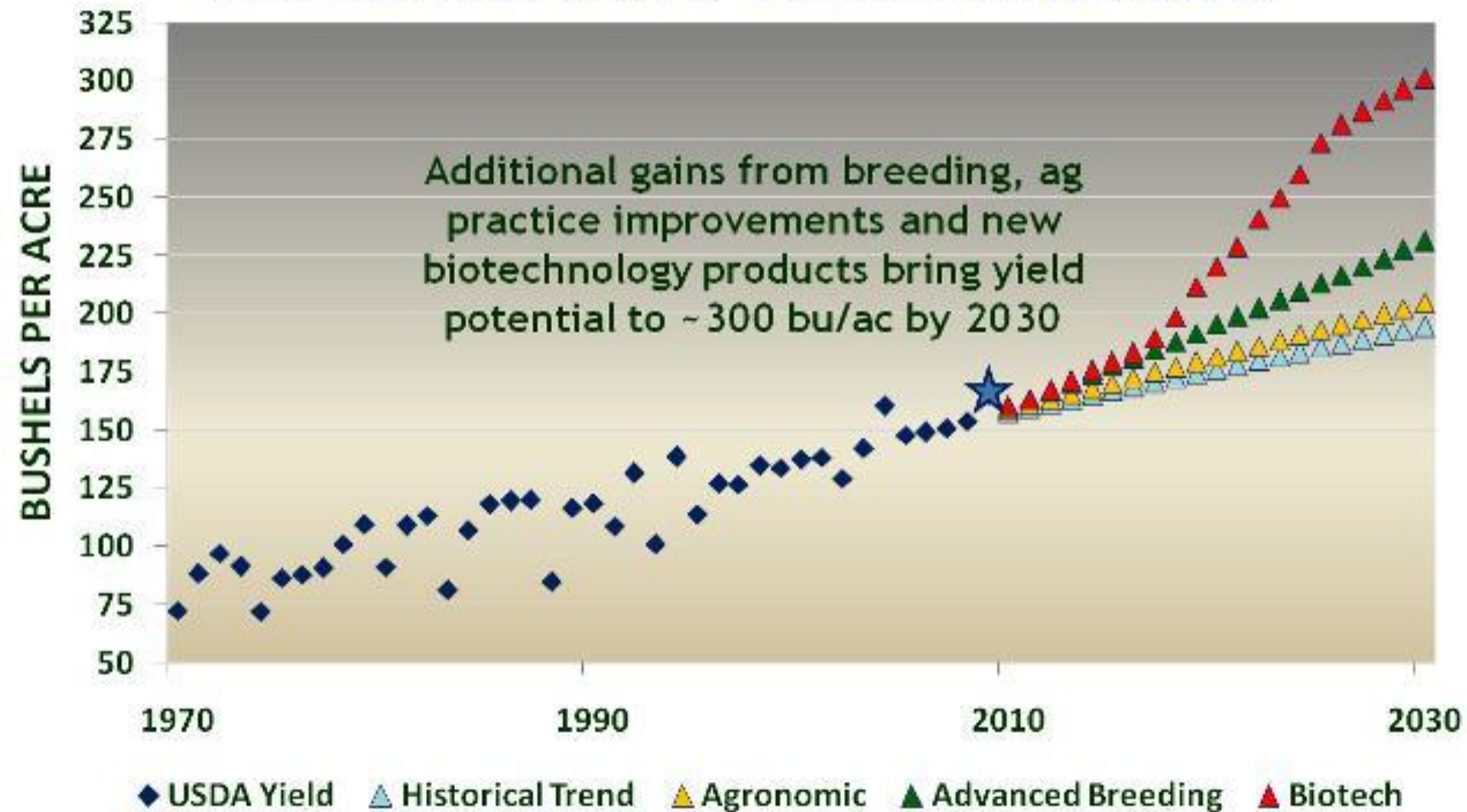


Attitude

"Must Be Open Minded"



CORN YIELD POTENTIAL TO 2030 IN THE UNITED STATES



Yield Management

Theoretical maximum
For Today



Theoretical maximum
For Tomorrow



Renwood Farms, Inc.



Yield Management

502



1312



Yield Management



- Soil Management
- Fertility Management
- Pest Management



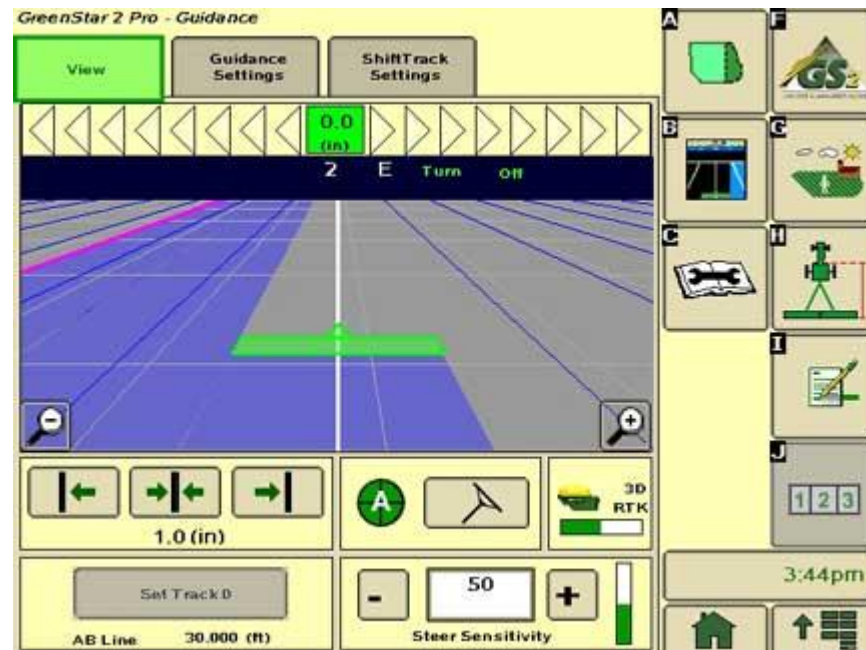
Soil Management

No-Till



Soil Management

Control Traffic Patterns



Soil Management

Manage Residue



Renwood Farms, Inc.



Fertility Management

Soil/Tissue Sampling
Timing of Application
Product - Analysis
Method of Application

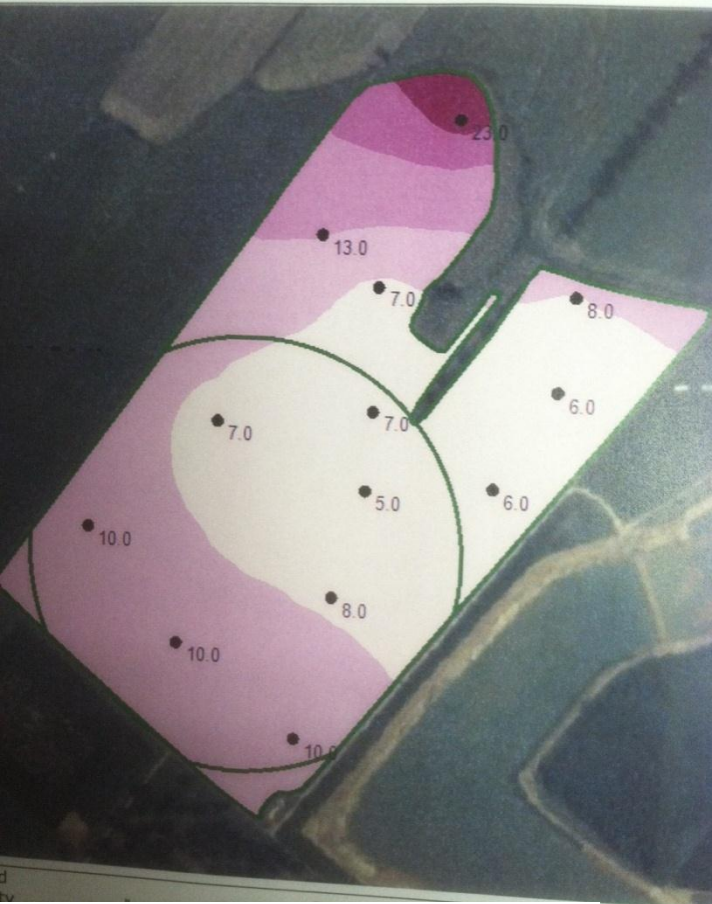


Fertility Management

Veris Soil Sampling



P Mehlich III

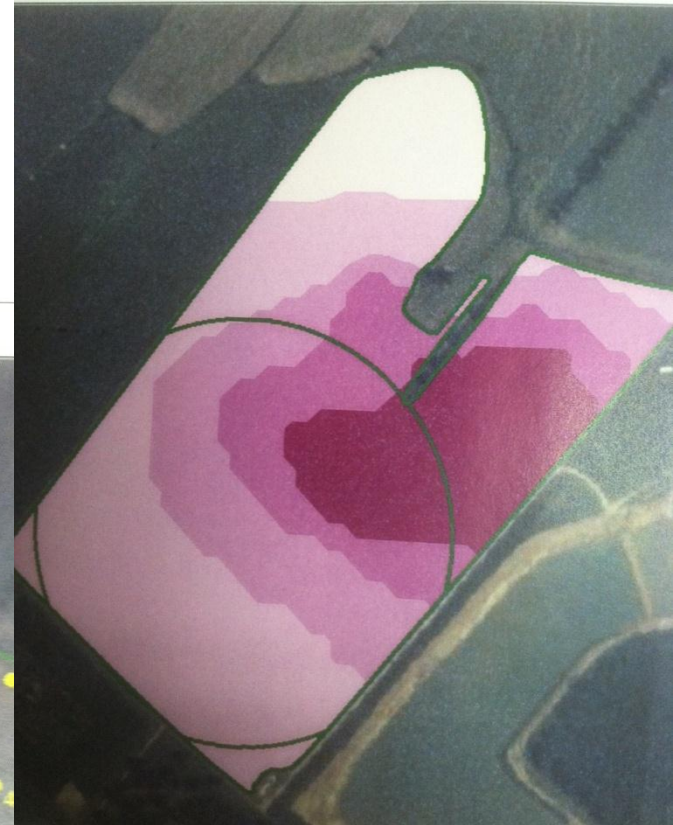


Variable Rate

Soil Test Points



18-45-0

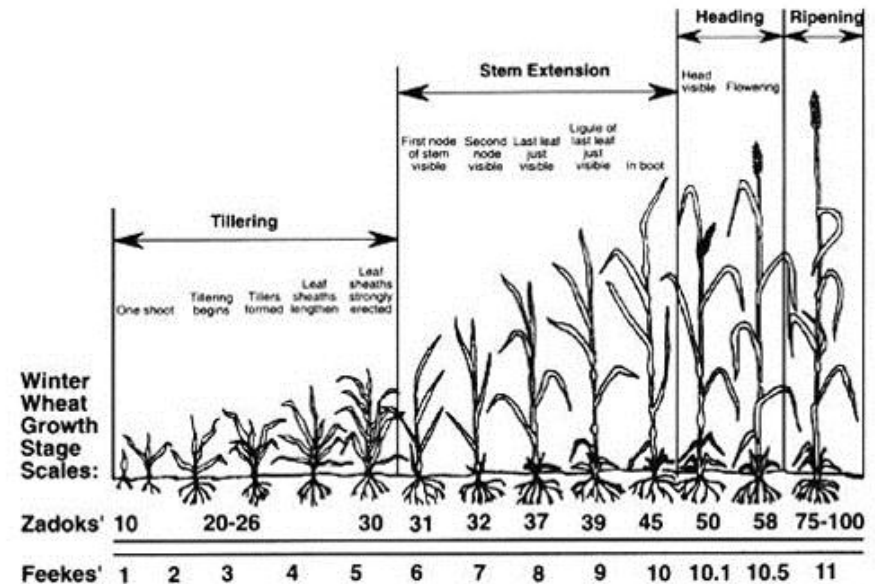
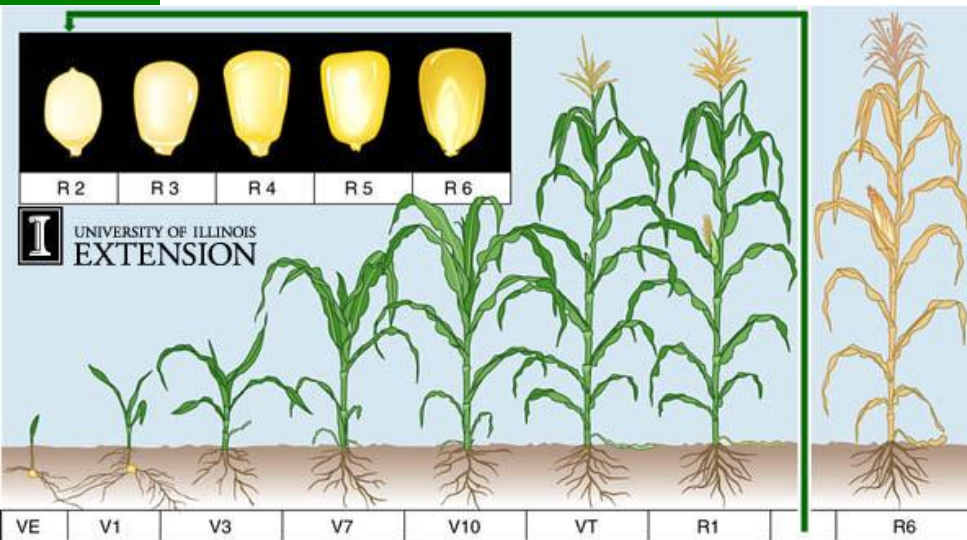


One in = 565 feet

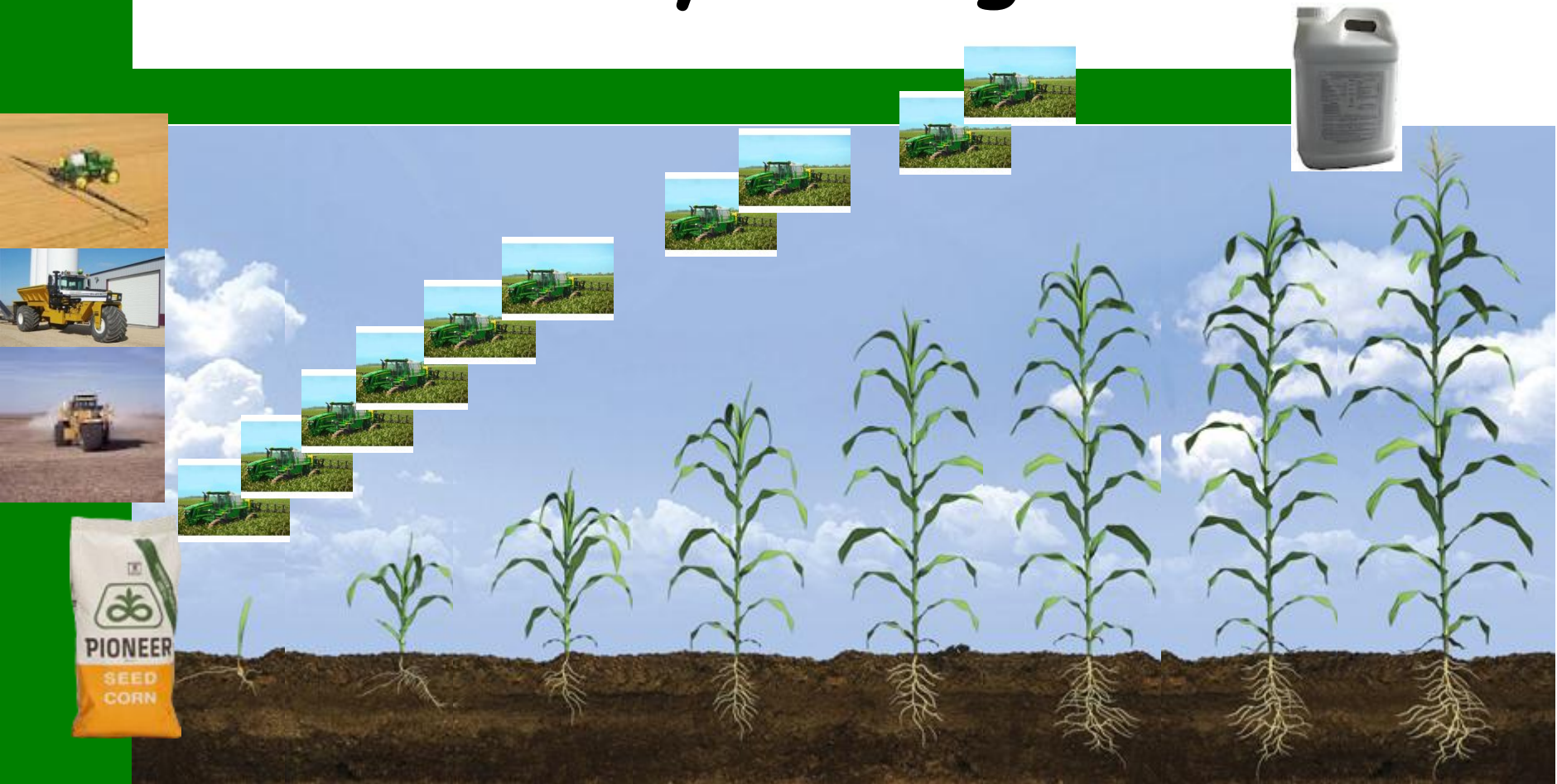
Variable Rate Equipment



Fertility Management



Fertility Management



Fertility Management



Fertility Management



Muriate Potash

Lime



Fertility Management

Fertilizer Seed Treatments



+9.1 bu



-0.6%Moisture



Fertility Management

In Furrow 3-18-18

(+7.25 bu)

Starter (3"*2")

66-33-0-6S-0.5Zn-0.1B



Fertility Management

Sidedress and Foliar

V-4: Micro Cocktail (Cu, Fe, B, Zn, Mn, Ca)

(+21.5 bu)



Fertility Management

Sidedress and Foliar

V-4: Micro Cocktail (Cu, Fe, B, Zn, Mn, Ca)

V-5: 3-18-18 (5 gal) Foliar

(+6.3 bu)



Fertility Management

Sidedress and Foliar

V-4: Micro Cocktail (Cu, Fe, B, Zn, Mn, Ca)

V-5: 3-18-18 (5 gal) Foliar

V-5: 160-0-0-20S Sidedress



Fertility Management

Sidedress and Foliar

V-4: Micro Cocktail (Cu, Fe, B, Zn, Mn, Ca)

V-5: 3-18-18 (5 gal) Foliar

V-5: 160-0-0-20S Sidedress

V8: 80-0-0-10S Sidedress



Fertility Management

Sidedress and Foliar

V-4: Micro Cocktail (Cu, Fe, B, Zn, Mn, Ca)

V-5: 3-18-18 (5 gal) Foliar

V-5: 160-0-0-20S Sidedress

V8: 80-0-0-10S Sidedress

PreVT:100-0-0 Sidedress



Fertility Management

Aerial Foliar

R1: 26-0-0-0.5B (2 gal) Foliar
(+4.6 bu & 1.2 lb)



Method of Application



Method of Application



Pest Management



Seed Treatment



Foliar V4

Foliar V7

Brown Silk



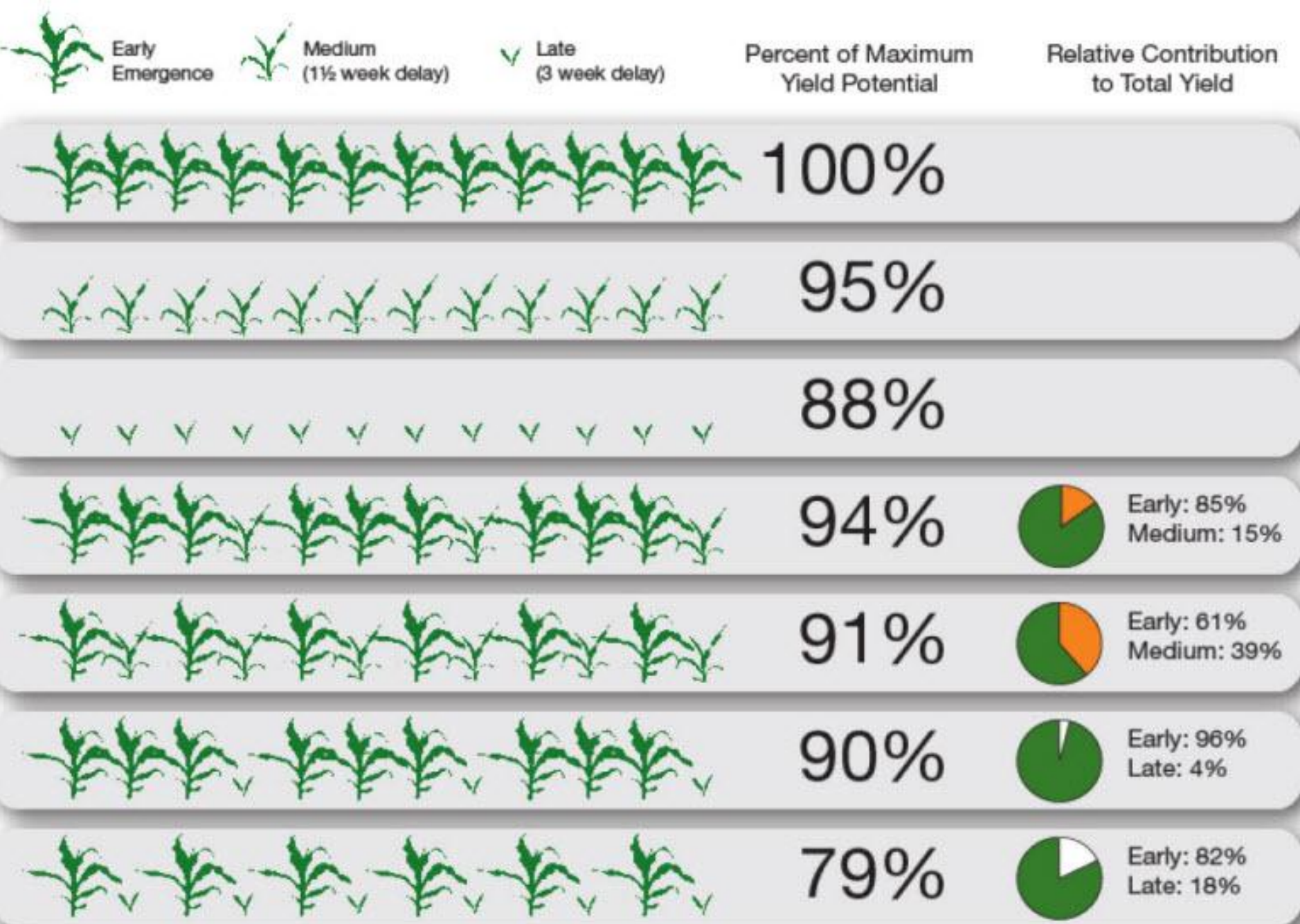
Equipment

(Middle or Mechanical)



Equipment Management





Seed - Genetics

Variety Selection
Yield potential
Emergence score
Standability score
Disease package
Unique traits
Test weight



Plan Management

- Develop Plan
- Execute Plan
- Adjust Plan
- Evaluate Plan





Plan Management

Tissue Sampling



Plan Management

Test Plot Evaluations





0.0
inst
(bulb)

wet



0.00
inst
(%)

Yield
bulb



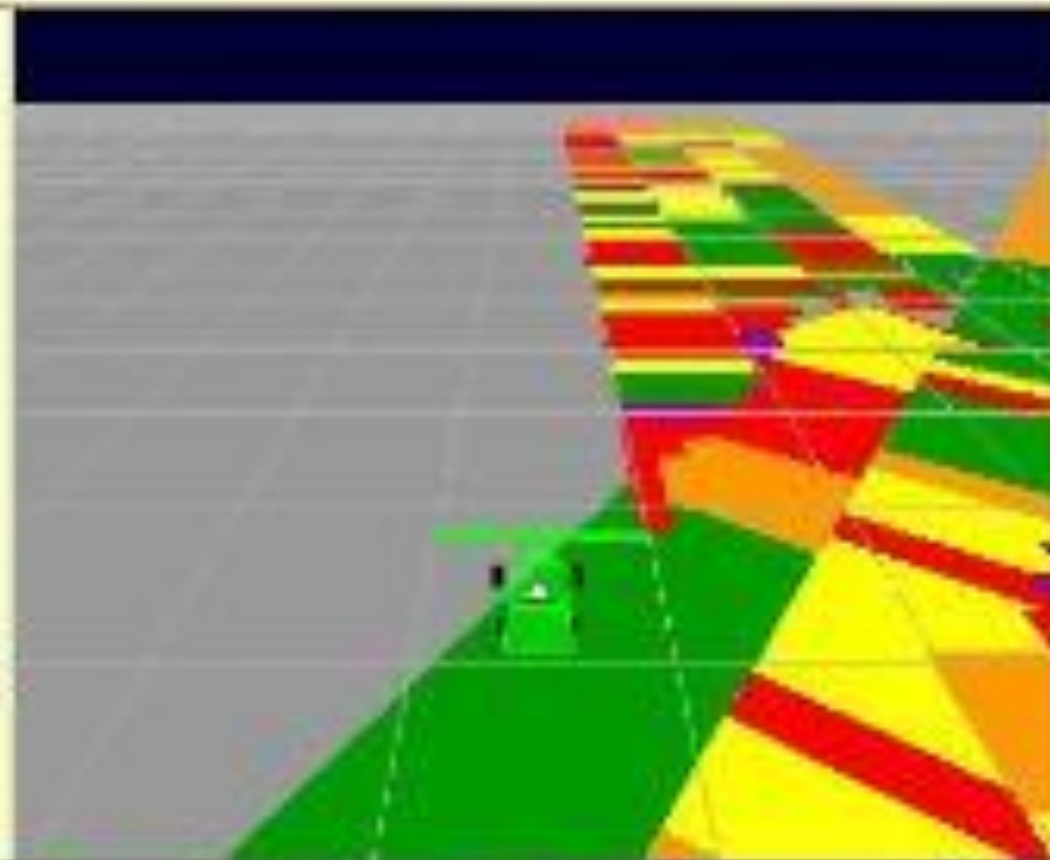
200.0

175.0

150.0

125.0

Recording...



Overlap
Control On/Off



Recording... 3D
 RTK

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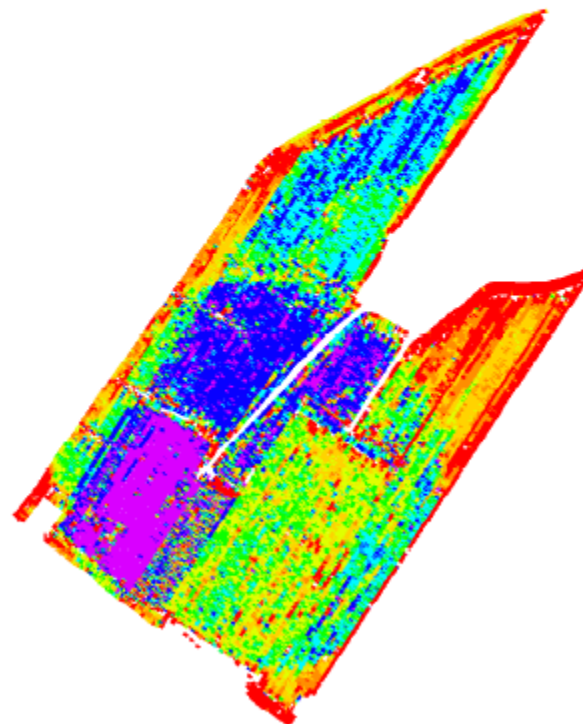
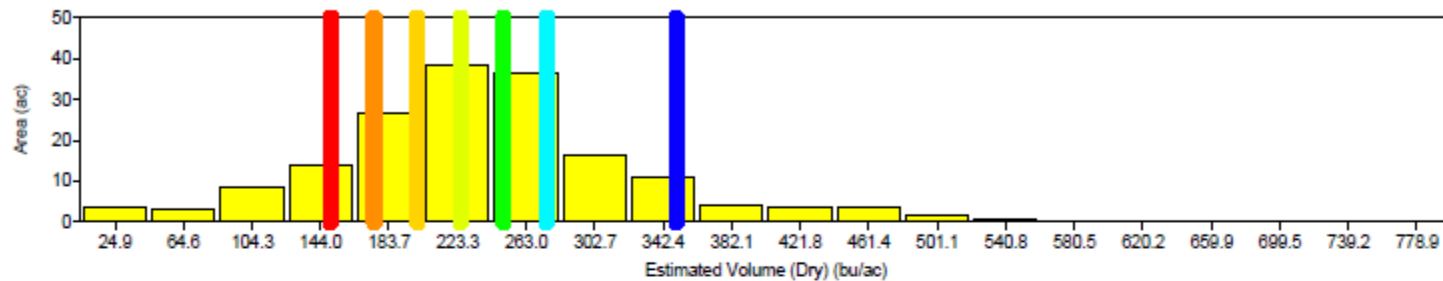








2011 - Corn - Renwood Farms - R678



Estimated Volume (Dry)
(bu/ac)

Above	350	(16.88 ac)
275 -	350	(30.35 ac)
250 -	275	(24.11 ac)
225 -	250	(25.93 ac)
200 -	225	(22.37 ac)
175 -	200	(17.96 ac)
150 -	175	(12.15 ac)
Below	150	(23.46 ac)

0 340ft

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Ag Leader Technology SMS Advanced

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ag.systems

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Timeline for Renwood Farms 2012



Timeline for Renwood Farms 2012

Growth

Hormones/Stimulants

Nutrient

Enhancers/Stabilizers

Micronutrients

Fertilizers



Timeline for 2012

Integrate Innovative Technologies to Act in Response to Plant Needs





Praise

(Palm)

"Give Thanks for your
many Blessings"

