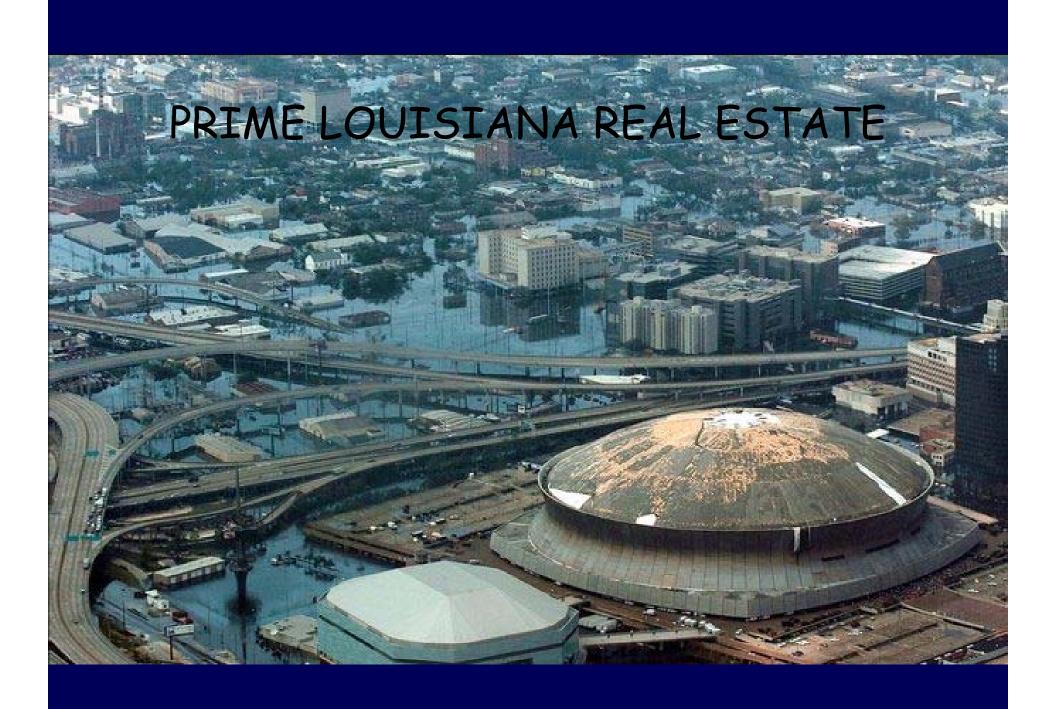
#### Precision Ag in Cotton -Consultant's Perspective

Tim White Walter Myers Nate Wellborn Wil Miller Matt Myers Roger Carter



### OFFERS EXCELLENT HUNTING



## AMS, Inc.

- Began in 1978
- Five Certified Consultants on Staff
  - Twelve or more seasonal employees
- Consult and/or Manage Crops
  - Cotton 60,000 acres +
  - Grains 10,000 acres +
- Soil Management 5,000 acres +

#### Launched into Precison Ag in 2000

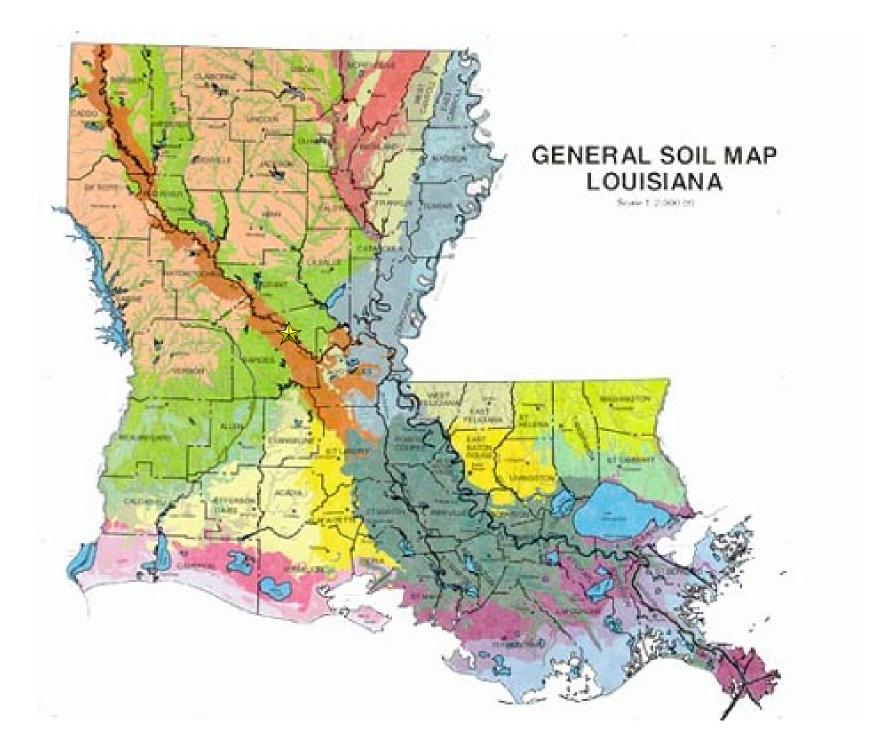
2.2

# Precision agriculture is not new. Our perception of what it entails or includes is new.

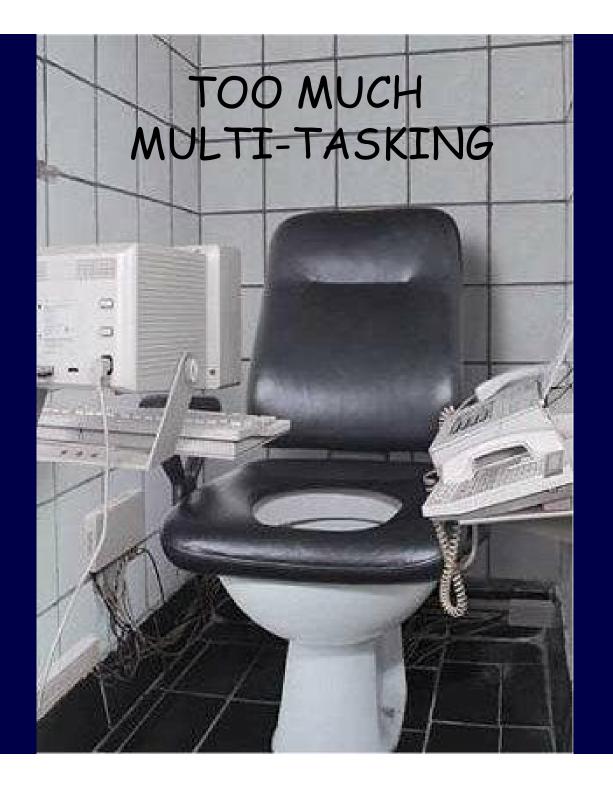
The first "precision agriculture" occurred when man first started to sow seeds at various planting rates or depths or harvest the best portions of the fields first.

The first "site specific management" may have occurred when man put a fish head next to a plant in order to increase production.

#### Alluvial soils next to the Big Ditch (aka MS River) are fertile, but diverse









#### Precision Soil Sampling



#### Precision Tillage

# P.A. HISTORY AT A.M.S.

- 1970's began with spot sampling and spot applications
- 1980's early 90's reviewed & observed Midwest results from PA - observed mistakes and successes
- 2000 began GPSing of field boundaries
- 2001 installed 1<sup>st</sup> cotton yield monitor
- 2001 rented Veris from Harold Lambert and recorded EC data

#### P.A. HISTORY AT A.M.S. (continued)

- 2002 wrote prescription VR applications in Farm Works
- 2002 demonstrated VR on several clients' farms
- 2003 began using In-Time aerial imagery
- 2003-2004 Veris'd 5,000 acres

## P.A. HISTORY AT A.M.S. (2005)

- On-farm demonstrations of VR
- Signed up clients with In-Time
- Aided in selection and use of VR equipment
- Wrote prescriptions
- Begin fee program

### P.A. HISTORY AT A.M.S. (2005)

- EC Data 4,000 Acres
- Zone Sampling 19,000 Acres
  - 15,000 Sub-contracted Acres in Mississippi & Arkansas
- Continuing Education of Clients

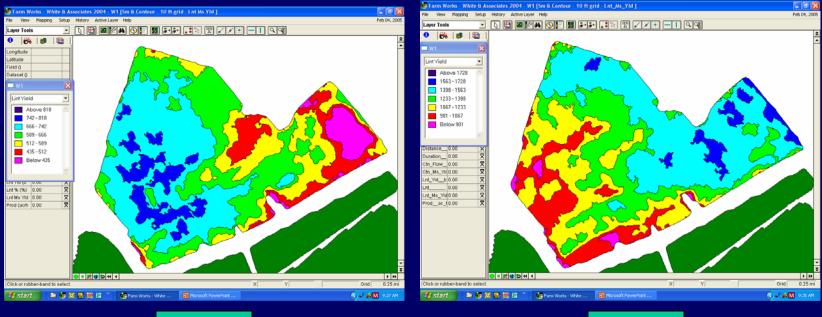
### P.A. HISTORY AT A.M.S. (2006)

- EC Data 4,000 Acres
- Zone Sampling 5,000 Acres
- Continuing Education of Clients
- Encouraged Sign-Up on NRCS-PA Program.

# EQIP - Precision Ag

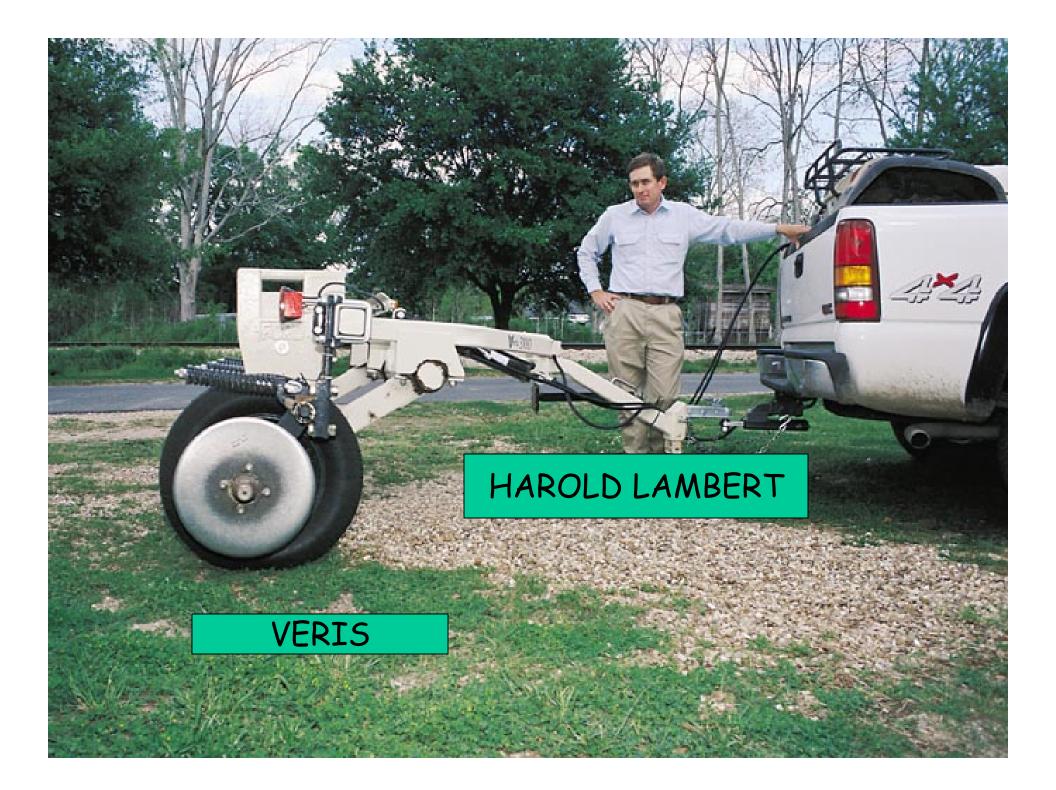
- 1<sup>st</sup> Year sampling from EC data or grids
- 2<sup>nd</sup> & 3<sup>rd</sup> Year VR fertilizer + yield monitor data
- Pays \$14/acre/year (\$42/acre/3 yr) with YM data or \$7/acre/year (\$21/acre/3 yr) without YM data Limited to 600 acres/entity/county

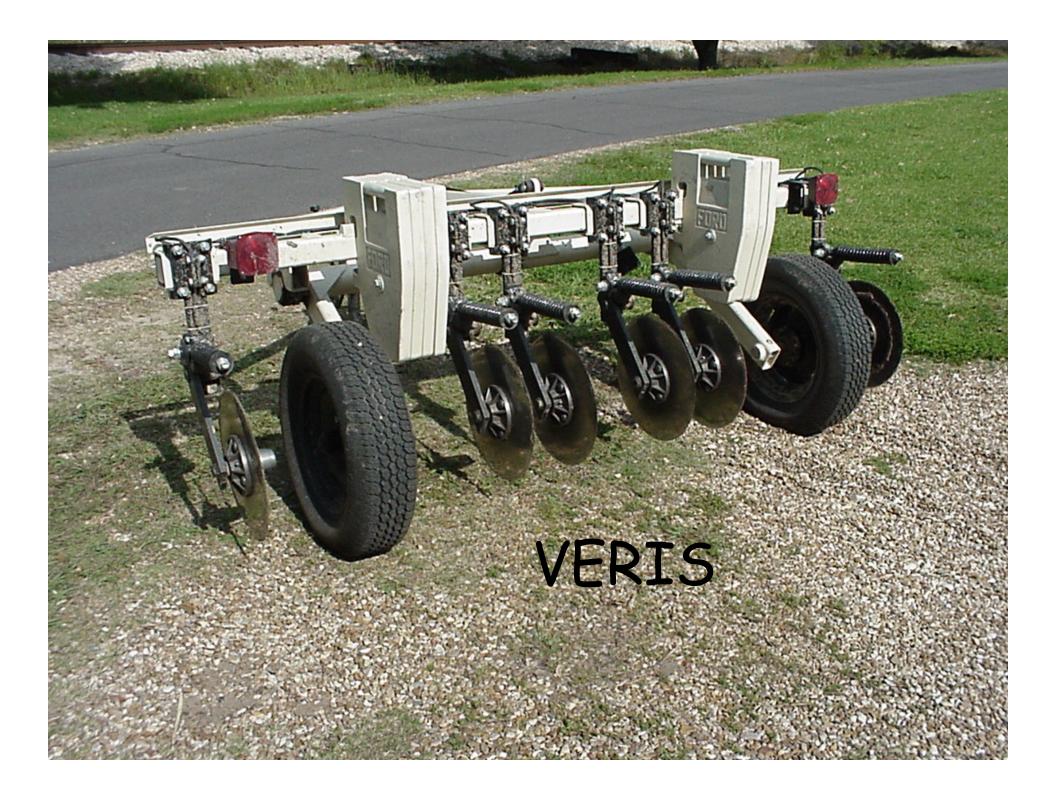
# YIELD 2002 VS 2003

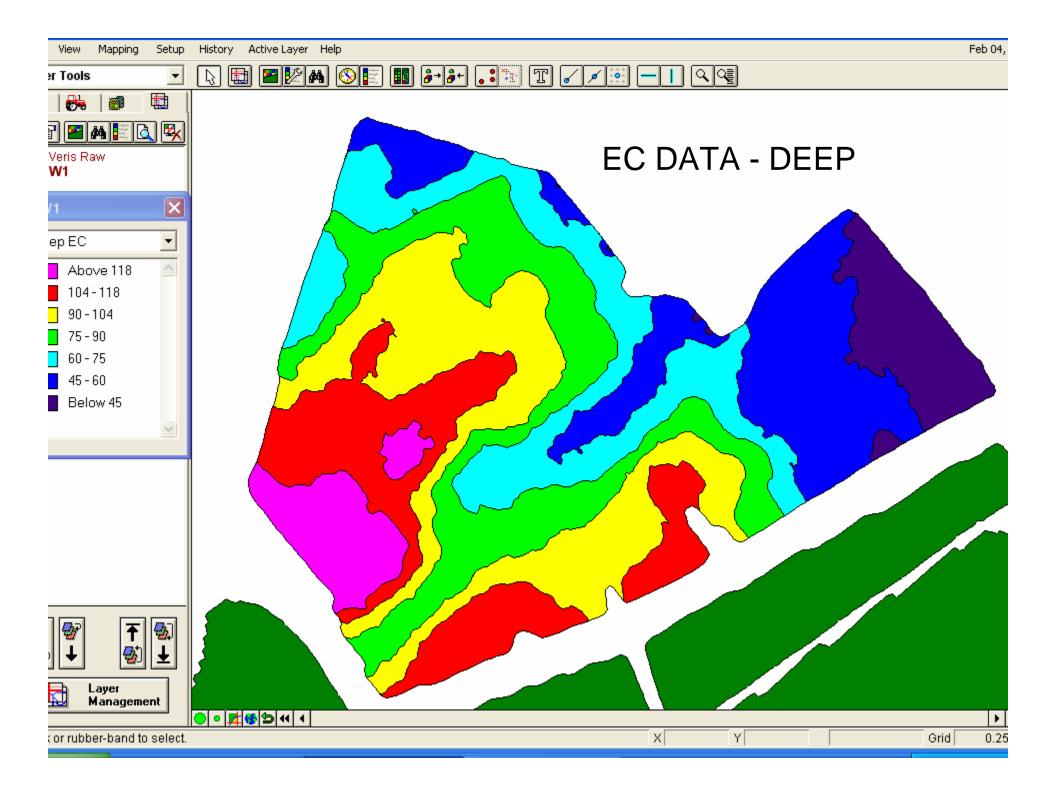


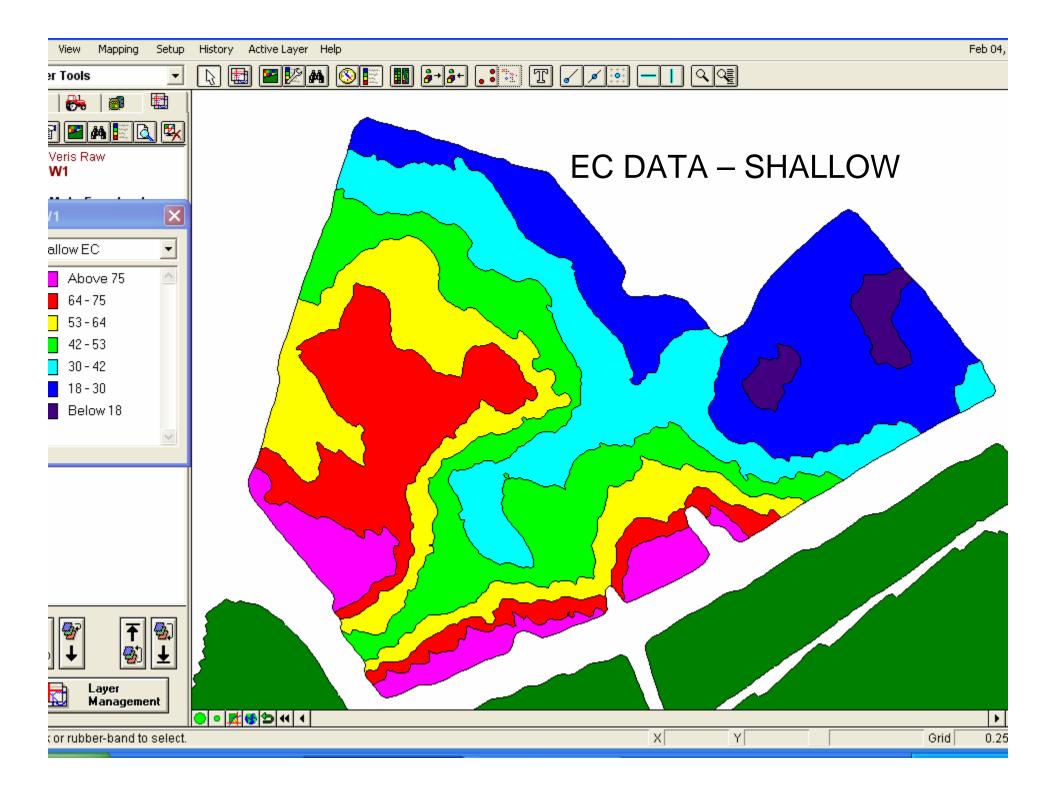




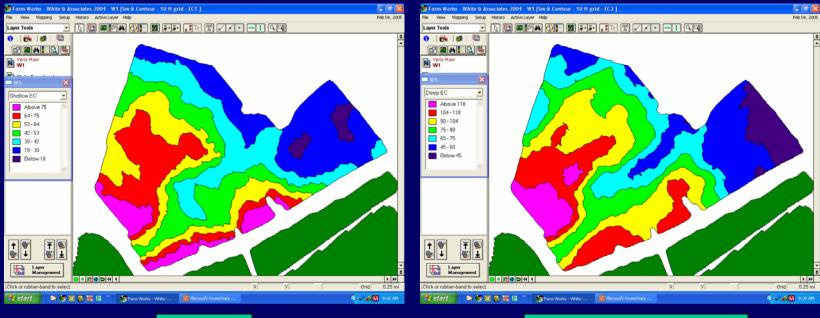






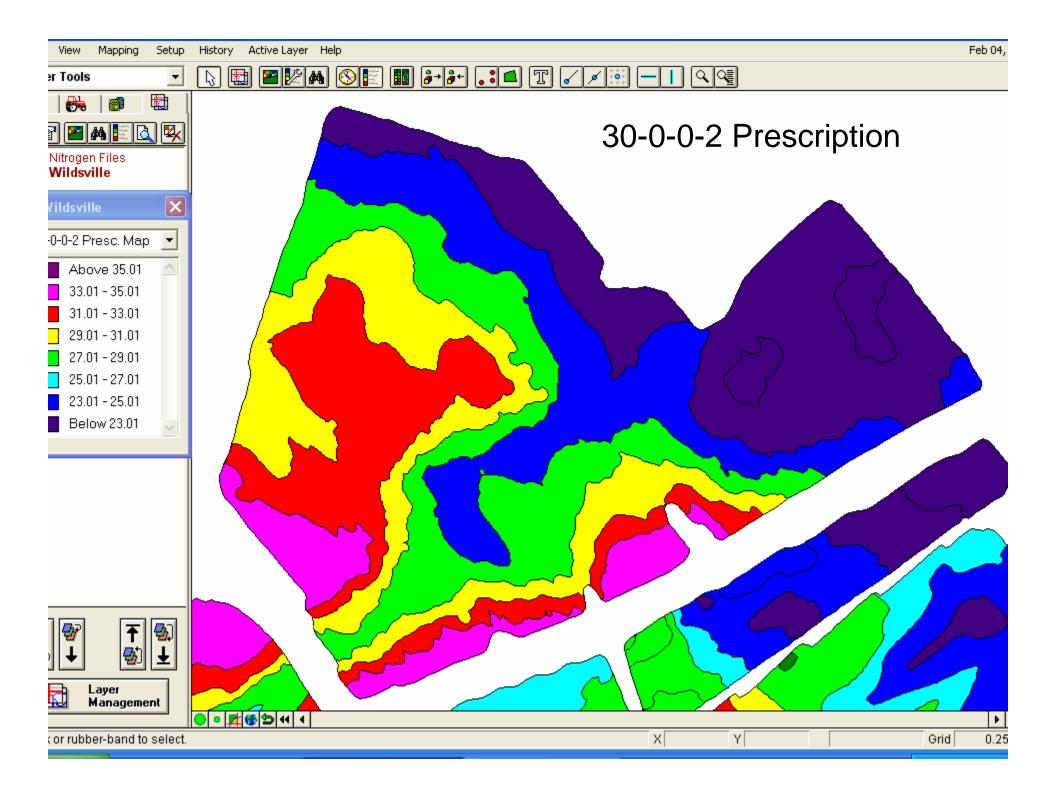


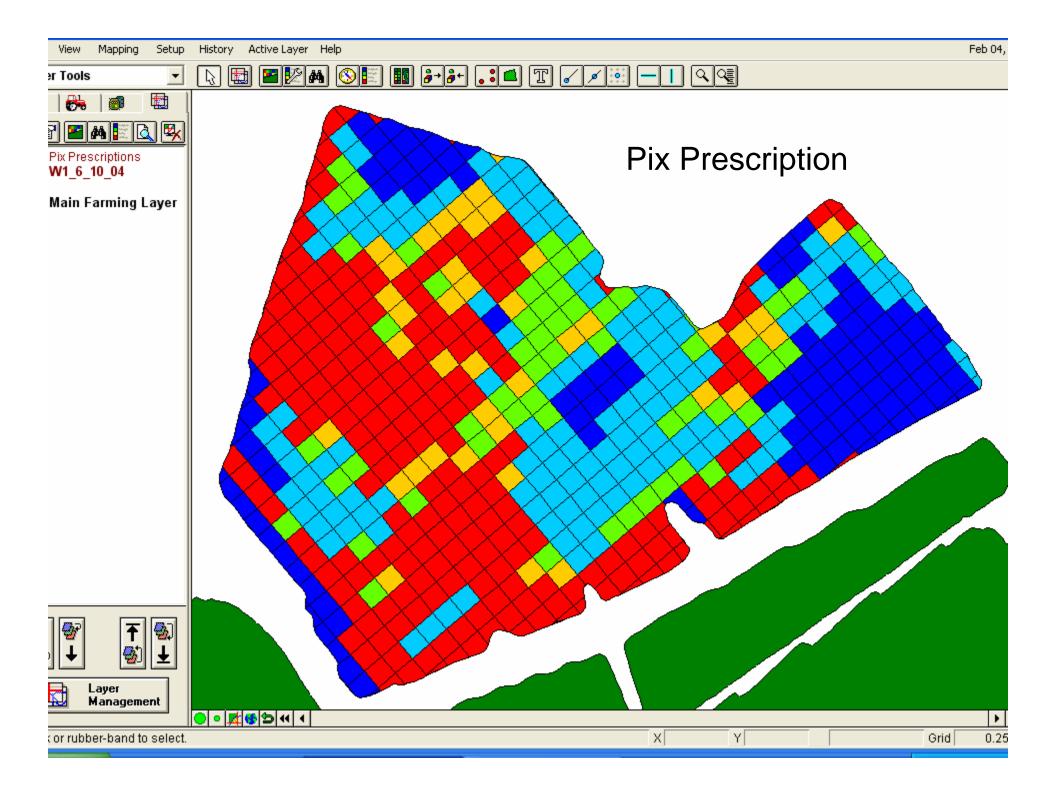
# SHALLOW VS DEEP

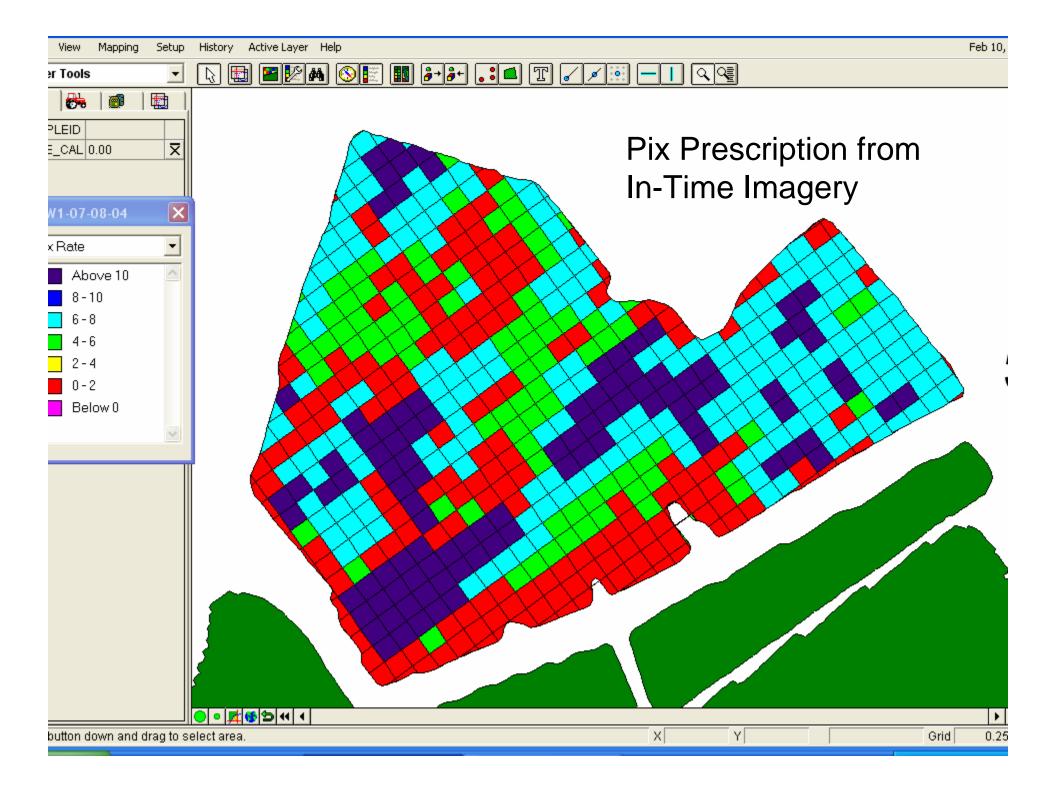




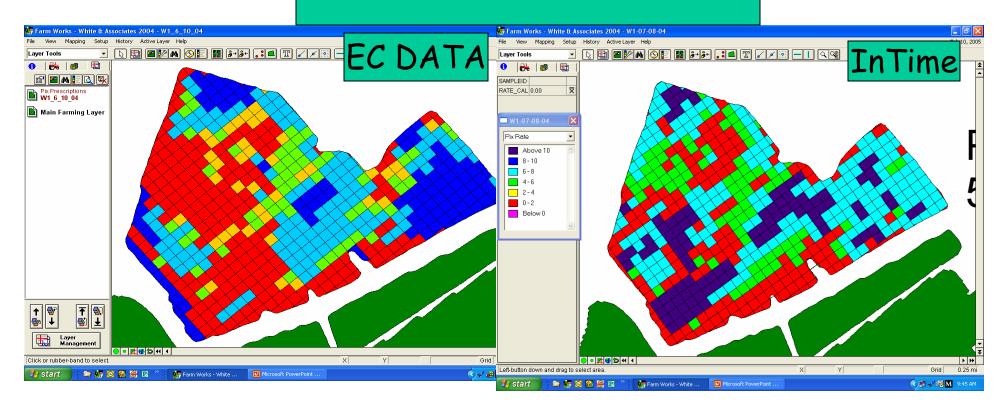


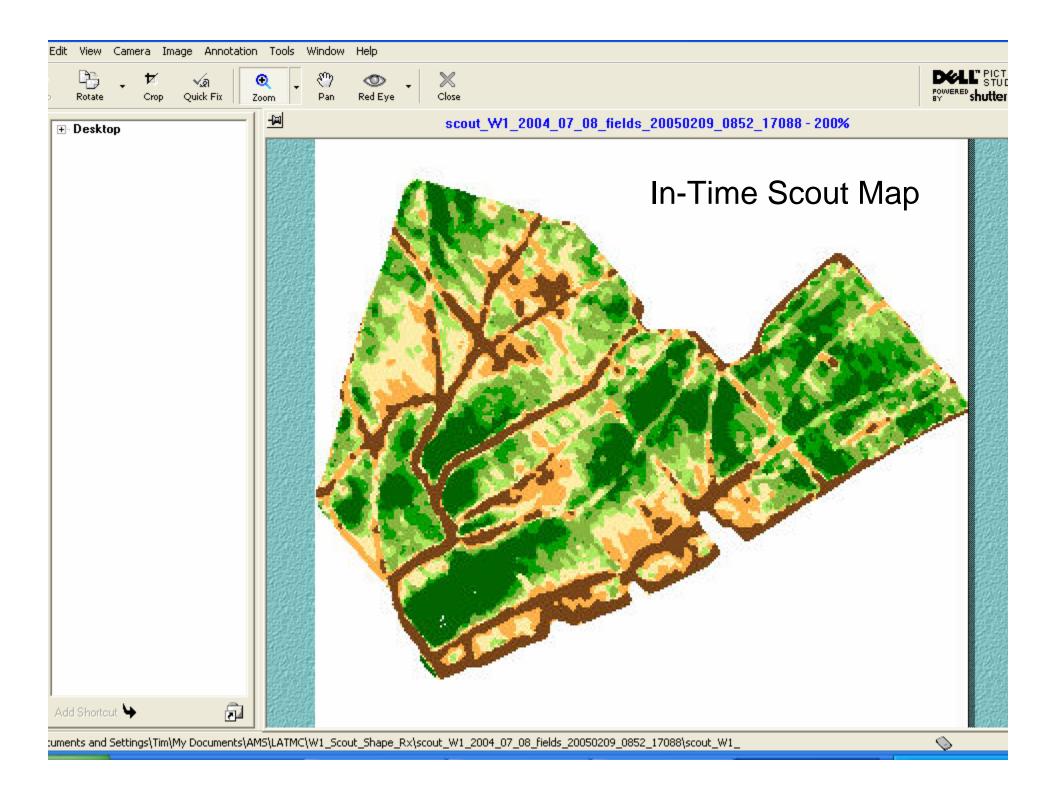




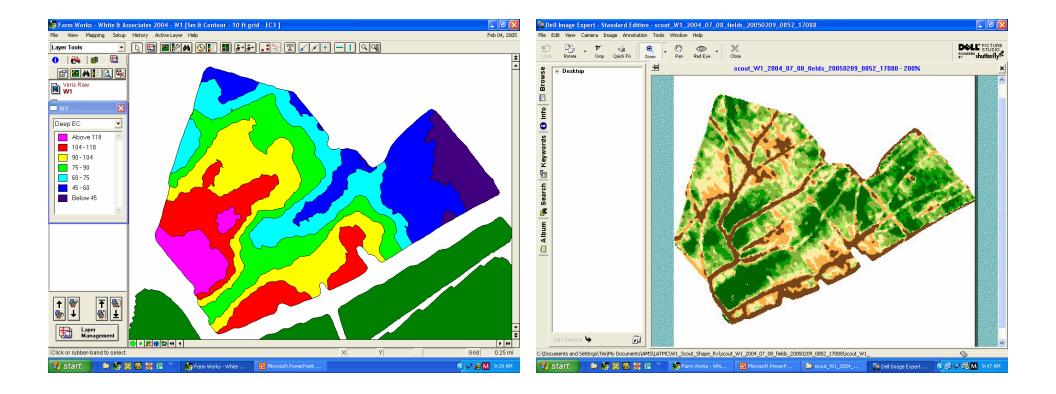


#### PIX PRESCRIPTIONS

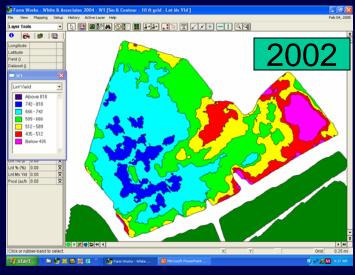


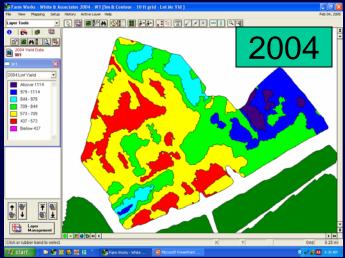


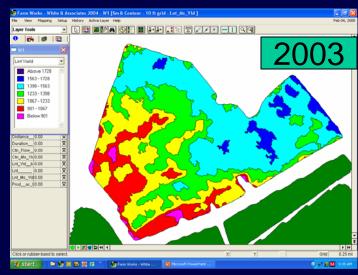
#### **VERIS VS AERIAL**

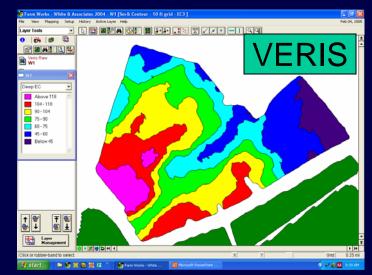


#### **YIELD VS VERIS**









#### EC DATA & AERIAL IMAGERY

#### EC DATA

- + Good until soil moves
- + Can measure fertility
- Not user friendly
- More expensive
- Timeliness
- Conditions must be right
- Not right for every soil

#### AERIAL IMAGERY

- + Actual plant growth
- + Inexpensive
- + User friendly
- Requires clear weather
- +/- Timeliness
- Must keep crops clean

# COMPAQ 0 IPAQ WITH iPAQ Pocket PC 4 2:36 Map 🚏 Data 🔍 Configure A RECIPE d p

# IPAQ CONNECTED TO SPRAY CONTROLLER

5550

# SPRAY CONTROLLER VALVE

#### RAVEN INJECTION SYSTEM

INSTALLATION AND SERVICE MANUAL

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Ran Barres area

SCS SIDEKICK

INJECTION SYSTEM

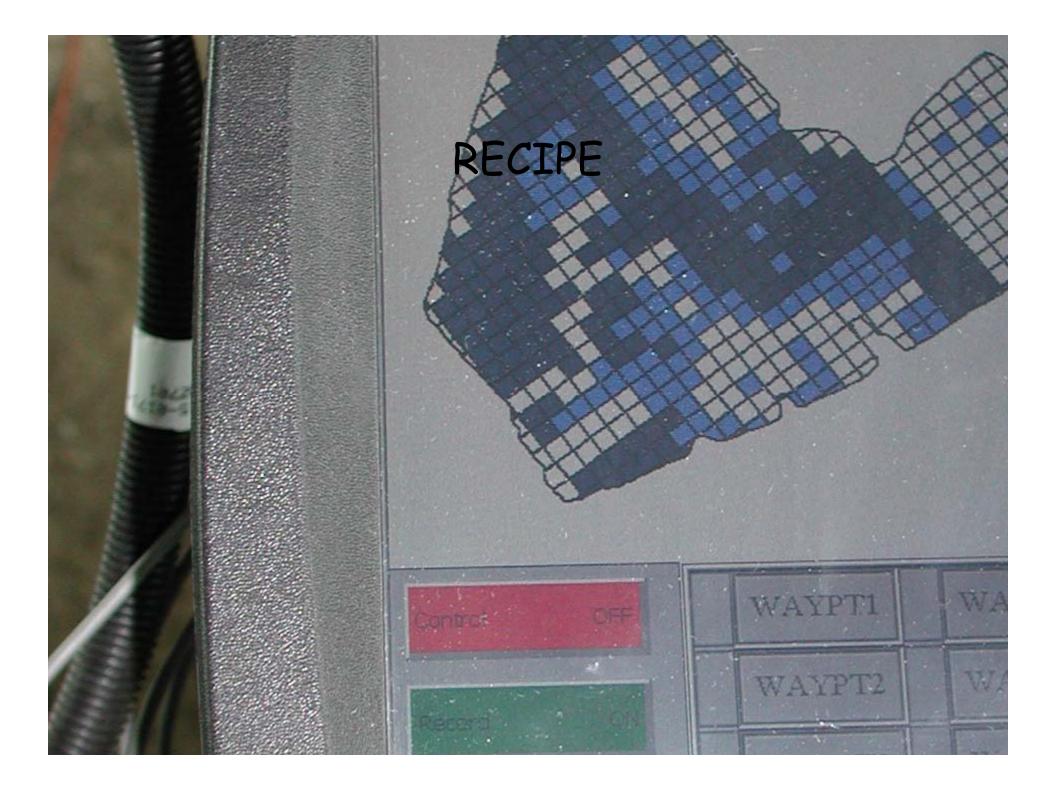
# RAVEN INJECTION SYSTEM

INSTALLATION DESTRICT AND ALAUNAL

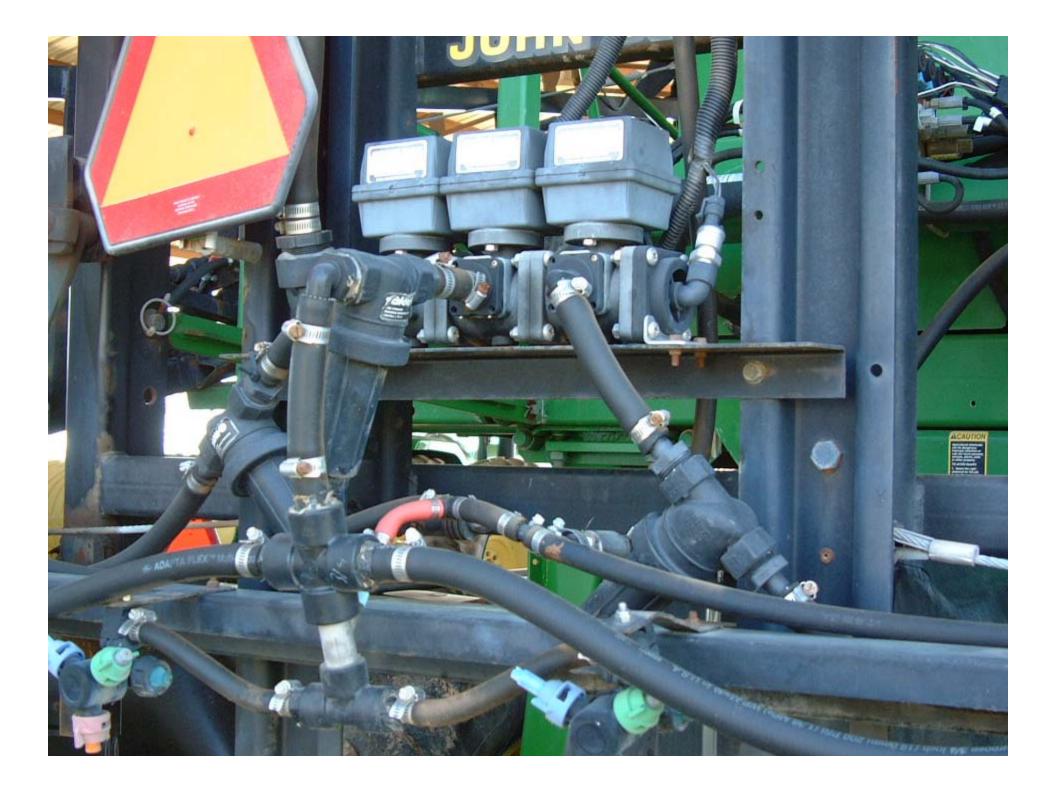
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#### COMMERCIAL VR GROUND APPLICATOR

### VR APPLICATORS

Two aerial applicators with VR equipment
3 - 6 ground applicators with VR equipment only two have dry material capabilities
Three farmers with complete VR equipment
Numerous farmers with VR spray controllers, some with GPS, few with both
Will have 20+ fully equipped by 2007

# 2007

- RTK compatable equipment
- RTK remotes & towers
- 5,000 acres committed for EC data & sampling





# FEES

- Veris \$5/acre/year x 2
- Prescriptions \$0.50 \$1.50/acre
- Zone Sampling including analysis \$2.00 -\$4.00/acre
- Mapping \$0.00 \$1.00/acre
- Equipment Instruction \$50 \$200 /hr

# SITE SPECIFIC MANAGEMENT

- 7,320,000 SITES ON GOOGLE
- MANY UNIVERSITY SITES
- www.ppi-far.org/ssmg

# PA, PF, SSM

- **BEGIN TODAY**
- DON'T GET BOGGED DOWN IN DEFINITIONS
- KEEP IT SIMPLE
- WORK IT EVERY DAY

## PA,PF,SSM

- OUTSOURCE YOU CAN'T DO IT ALL
- WORK WITH FRIENDS, PARTNERS, GROUPS
- REVENUE-EARNING VALUE-ADDED SERVICES

# PA,PF,SSM

- MAY REDUCE INPUTS/ACRE
- MAY ENHANCE YIELDS
- MAY IMPROVE COTTON QUALITY
- WILL ALLOW PRODUCERS TO PUT CERTAIN RATES ON CERTAIN AREAS
- SHOULD RETURN MANY TIMES OVER
   INVESTMENT

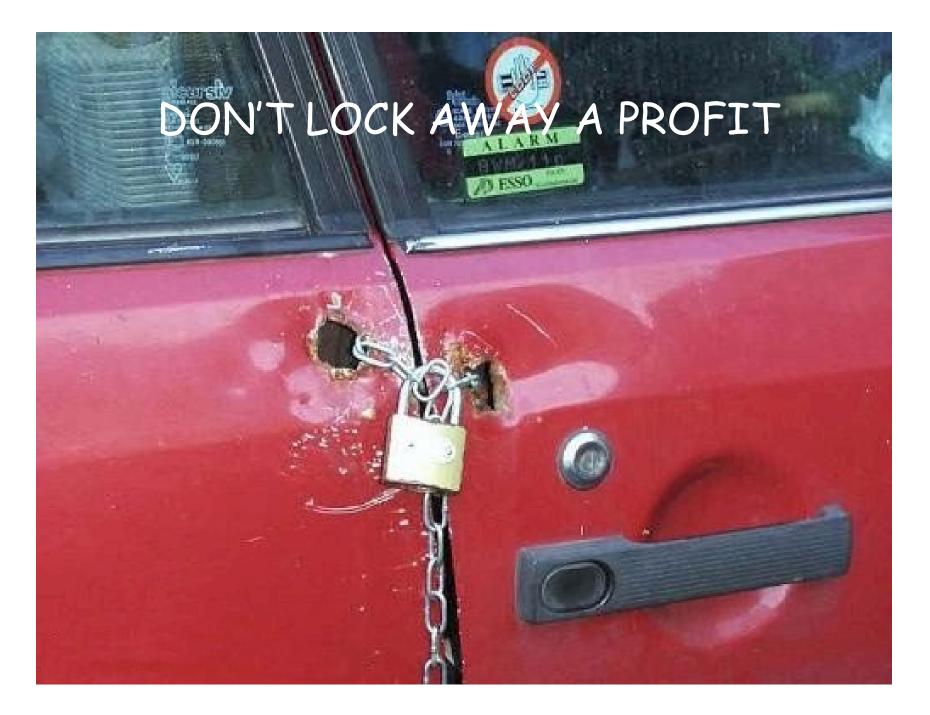
### PA,PF,SSM

UTILIZING VERIS DATA, WE REDUCED NITROGEN USE BY \$6.25/AC, AND REDUCED PIX USAGE BY \$7.50/AC

UTILIZING IN-TIME IMAGERY, WE REDUCED DEFOLIANT COST BY \$7.24/AC

#### EVERYONE IS WATCHING





#### LOTS OF WARM & FUZZY FOLKS WILLING TO HELP

St. ASTON South

#### BUT PERHAPS ONLY A LIMITED AMOUNT OF GOVERNMENT BONE TO CHEW ON

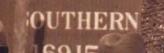
### **ROGER'S AXIOMS**

- EXPENSIVE EQUIPMENT WILL NOT MAKE UP FOR LACK OF TALENT OR PRACTICE.
- IGNORANCE IS EXPENSIVE.
- CONSULTANTS AND DEALERS -RISK YOUR MONEY, NOT YOUR CLIENTS' MONEY.









### ATTILAISMS PROBLEMS AND SOLUTIONS

 Huns should be taught to focus on opportunities rather than on problems.
 Some Huns have solutions for which there are no problems.

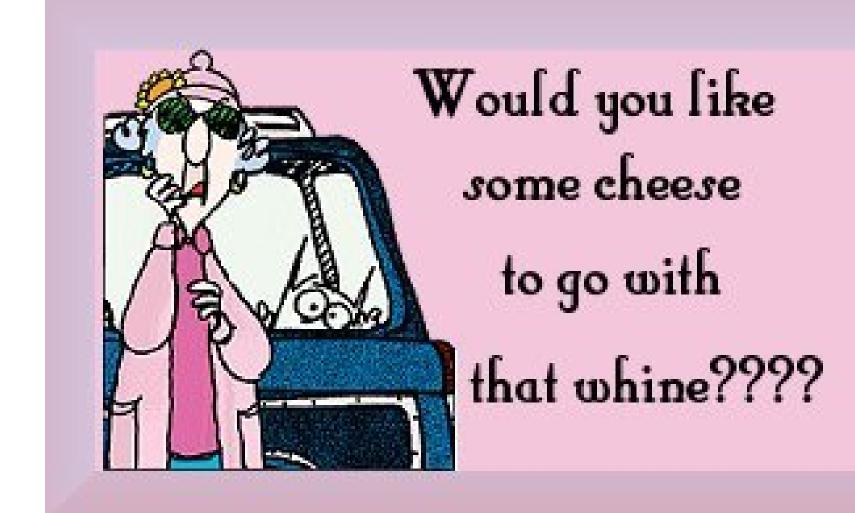
Leadership Secrets of Attila the Hun Dr. Wess Roberts

#### PRECISION AG DOES NOT SOLVE ALL OF OUR PROBLEMS

#### FOUR SEASONS **OF LOUISIANA** NORTH LOUISIANA SOUTH LOUISIANA DOVE CRAB DUCK CRAWFISH SHRIMP DEER TURKEY **OYSTER**









### CONSULTING

If you are not a part of the solution, there is good money to be made in prolonging the problem.



### You've got to know your priorities

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Roger Carter Cell (318)758-4411 AMSRoger@aol.com Tim White Cell (318)481-3147 timbw@bellsouth.net

