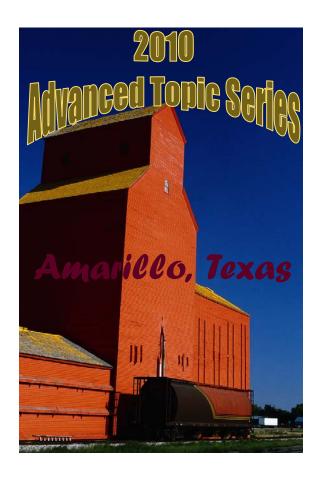


Improving Lives. Improving Texas.

Identifying Weather Risk and Incorporating It Into Your Marketing Plan



Presented by:
Dr. S. Elwynn Taylor
Extension Climatologist
Jowa State University



Identifying Weather Risk and Incorporating It Into Your Marketing Plan

Weather is always a critical factor in the success of a farm operation. In this course participants will gain a better understanding on how to identify long range weather patterns and their potential impacts on crop yields. Yield trends, a balance sheet approach and the use of growing degree days will be discussed. The effect of high temperatures, low precipitation and how you evaluate stress impact will be addressed. Finally, a unique approach incorporating weather and market risk into a marketing strategy will be presented.

— S. E. Taylor

Н

Weather Outlook "for Agriculture"



S. Elwynn Taylor
Iowa State University Extension Climatologist
Agronomist

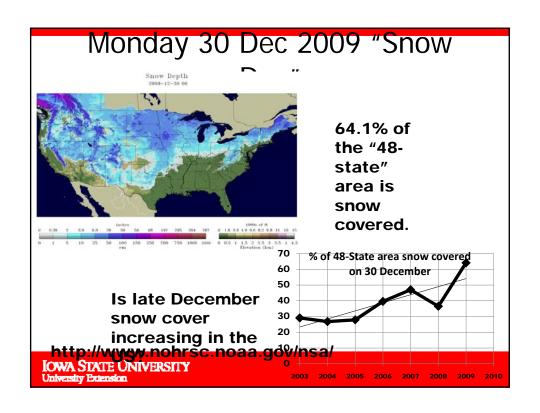
IOWA STATE UNIVERSITY University Extension

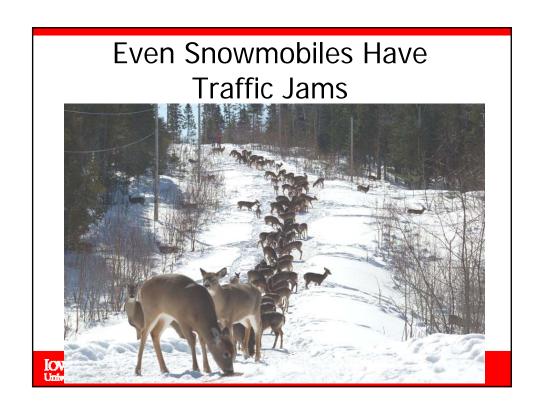
Crop Weather Risk 2010

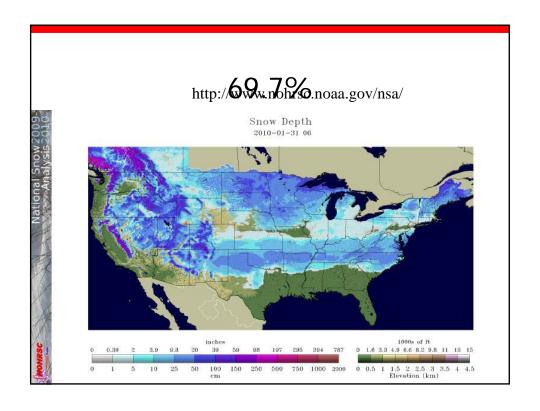


www.twitter.com/elwynntaylor

vww.extension.iastate.edu
Iowa State University Extension





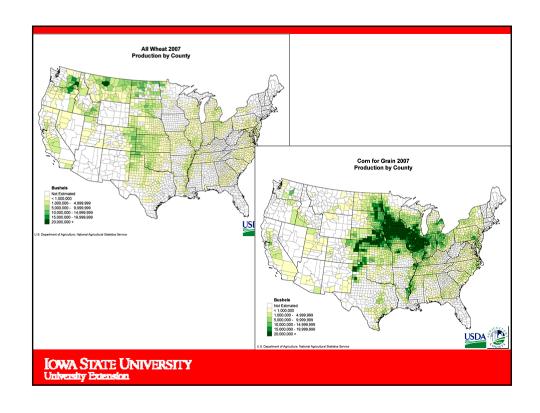


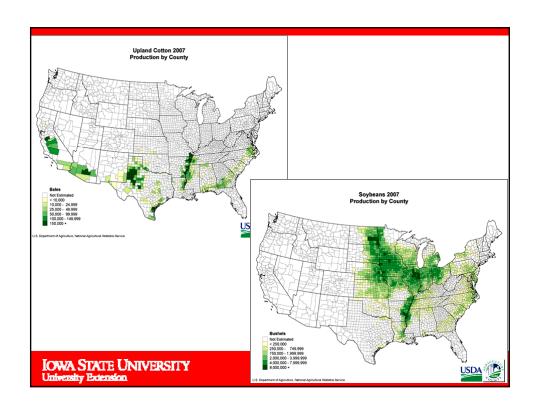
DFW Snow

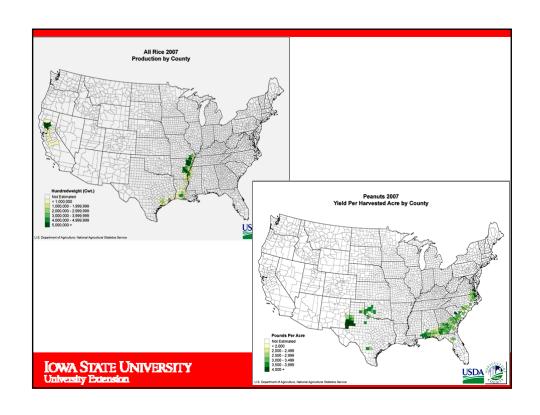
John: Good point. Here in the DFW area, our 5 snowiest winters since 1950 are as follows:

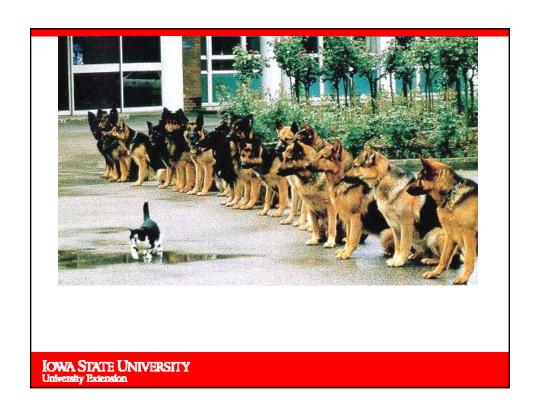
- 1) 1977/78 17.6"
- 2) 2009/2010 15.7" (as of Feb 21, 2010)
- 3) 1963/64 15.3"
- 4) 1976/77 10.4"
- 5) 1965/66 7.3"

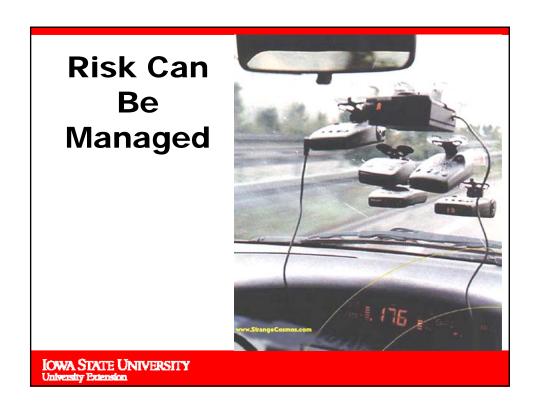
According to an analysis by the Fort Worth NW510ffttethesewantsterseventstants Elektrosare far Wildtethese in El Nino years than in other circumstances. - John John Nielsen-Gammon [n-g@tamu.edu]

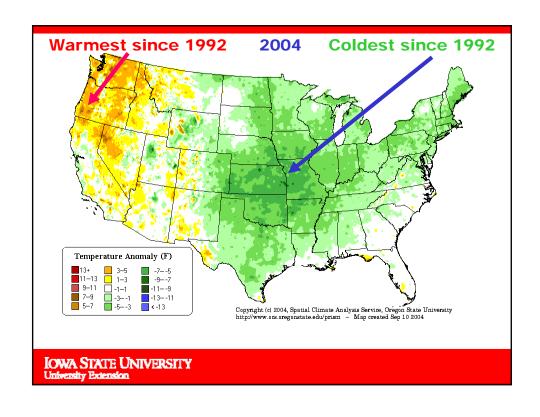


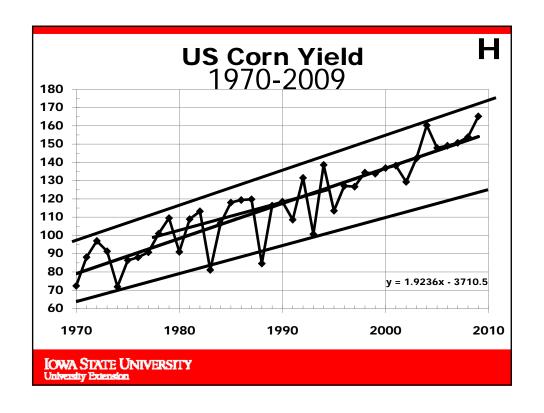


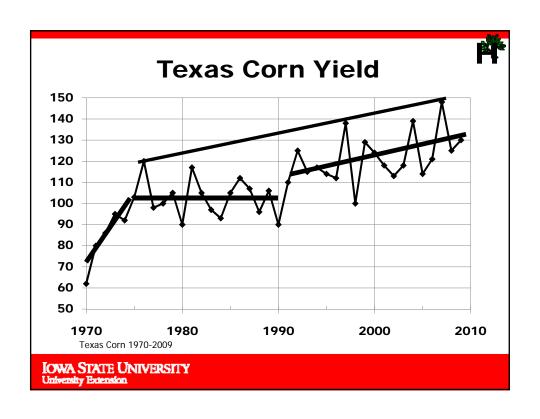


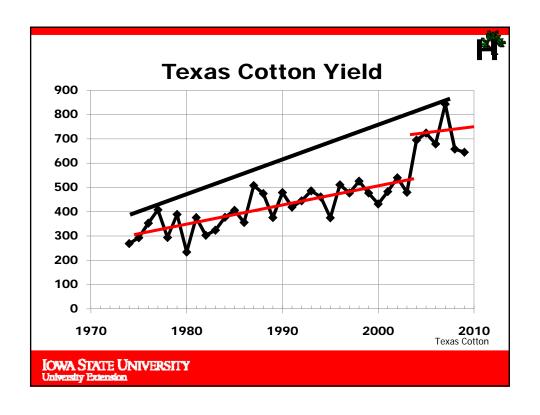


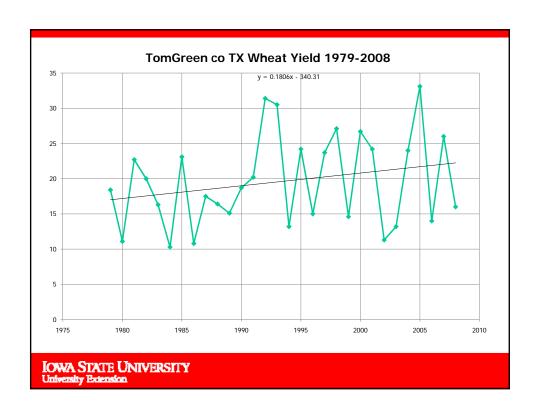


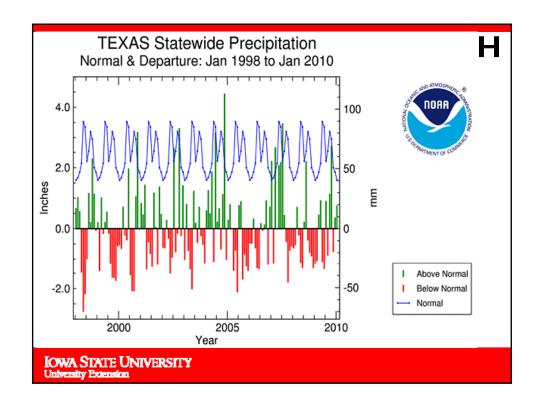


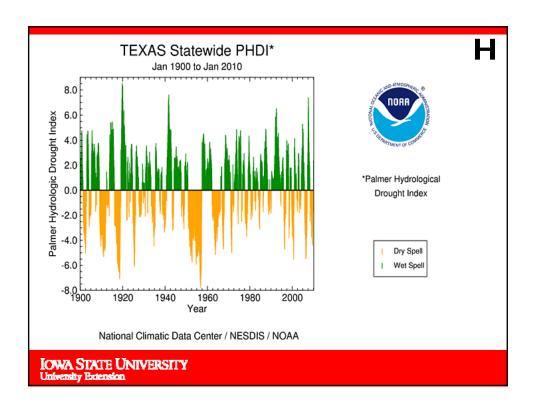


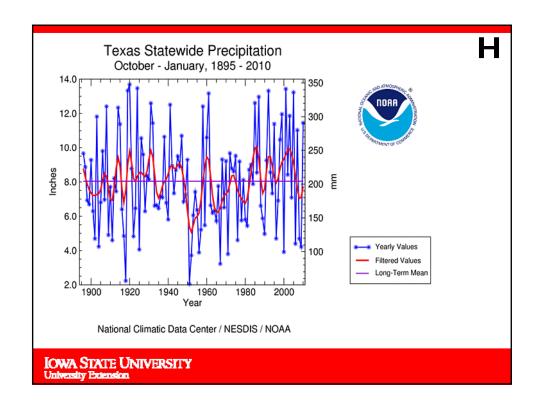


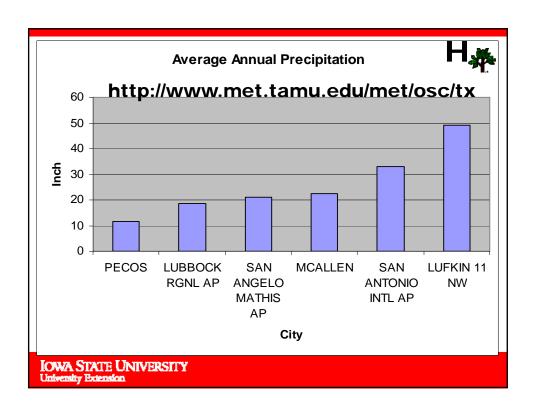


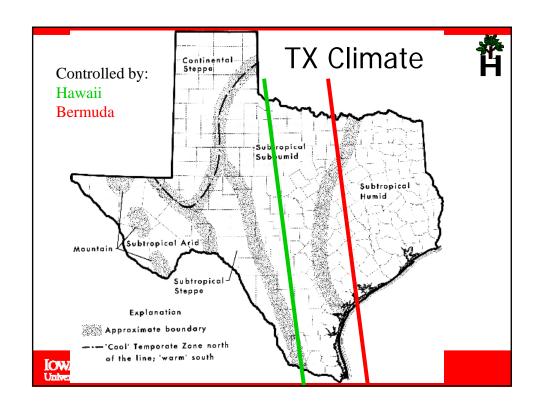


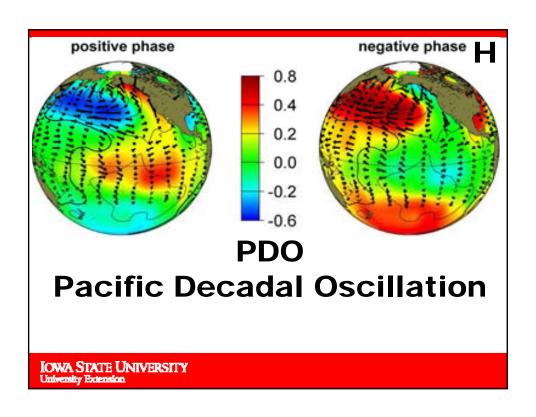


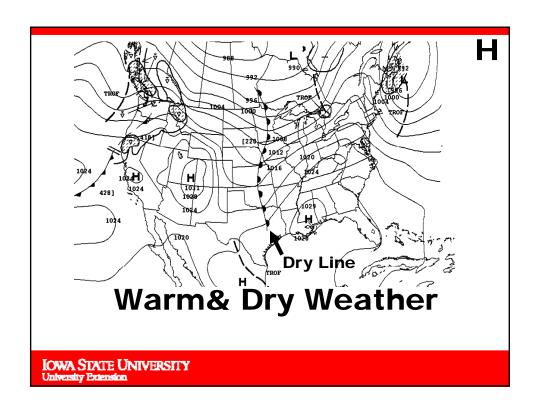


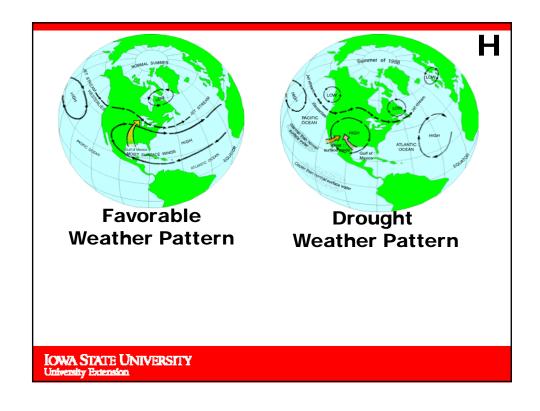


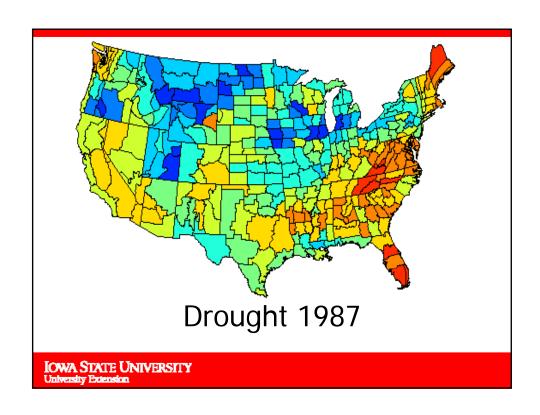


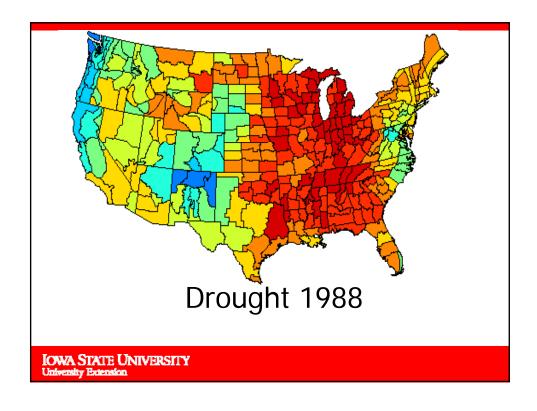














IOWA STATE UNIVERSITY University Extension

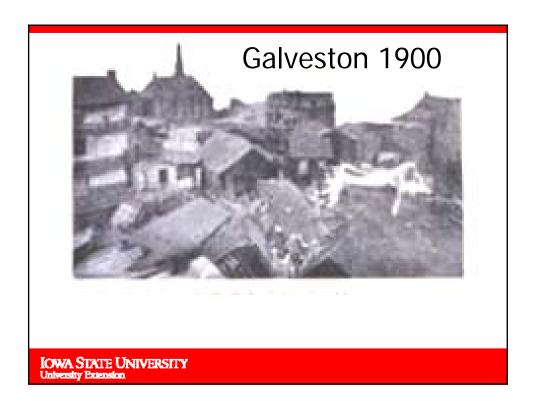
Forecast: What it is doing

What it has done before The worst drought spanned the period

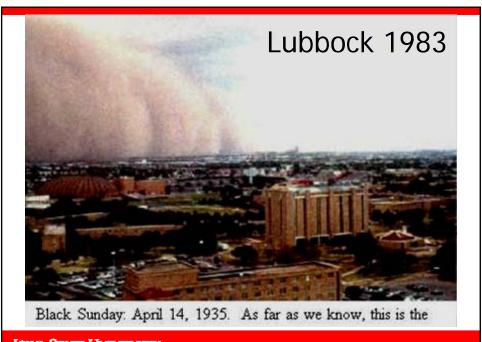
The worst drought spanned the period 1950 to 1957. Much has been written about this drought; among the more impressive statistics from this period is Texas's statewide average precipitation for the month of October 1952: 0.02 inches. (then the general Midwest drought came in 1954.

May 16, 1917, Texas: Hail covered the ground up to 3 feet deep in Ballinger, reportedly taking seven days to clear.







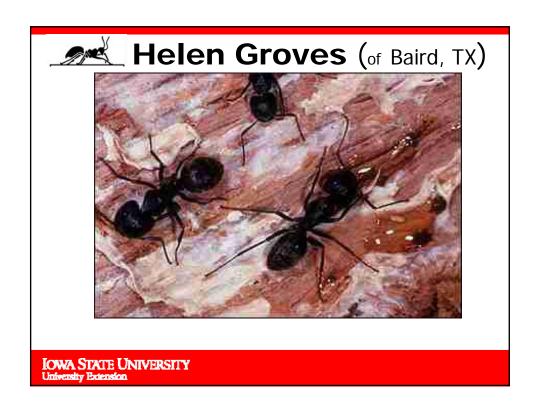


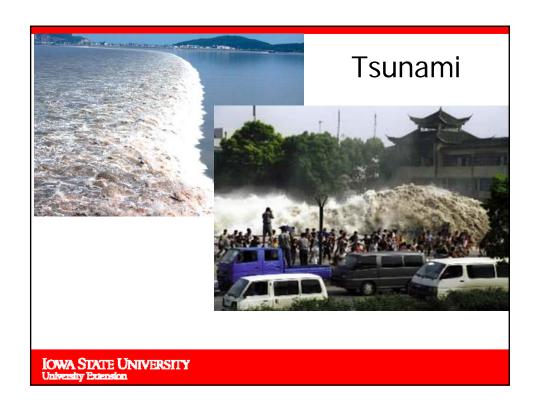




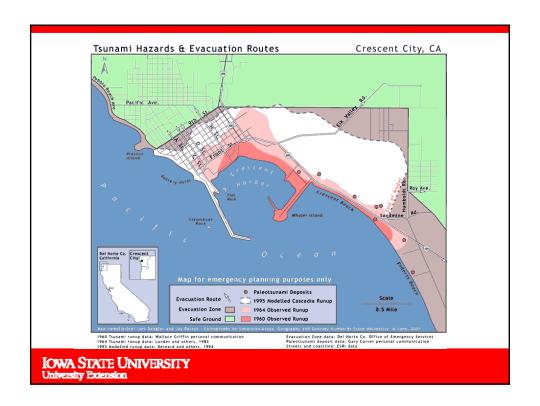








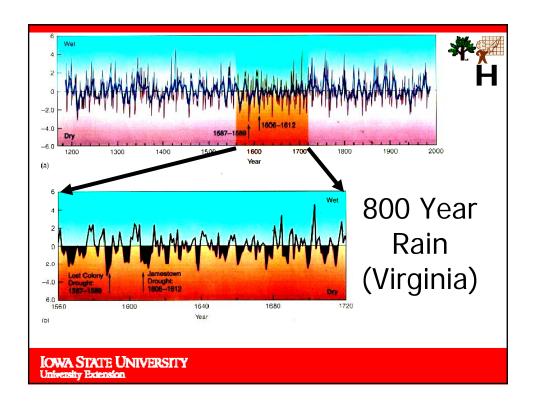


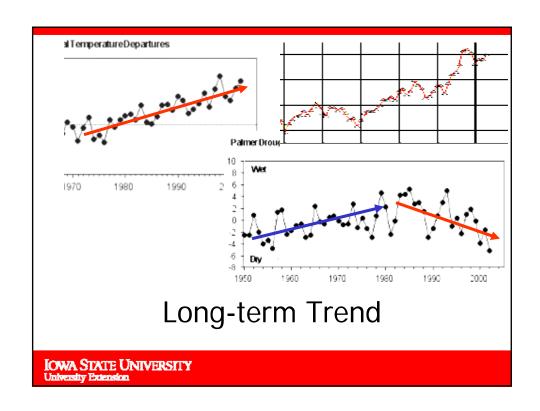


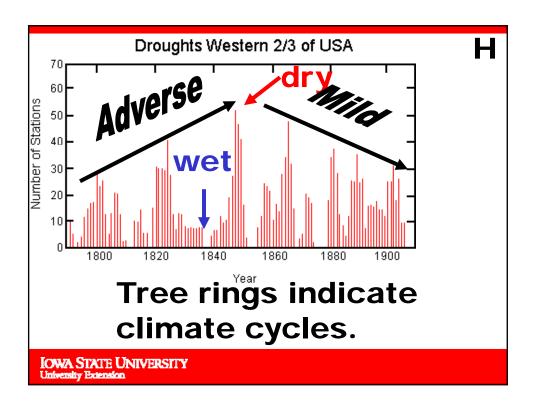
Climate, Past & Future

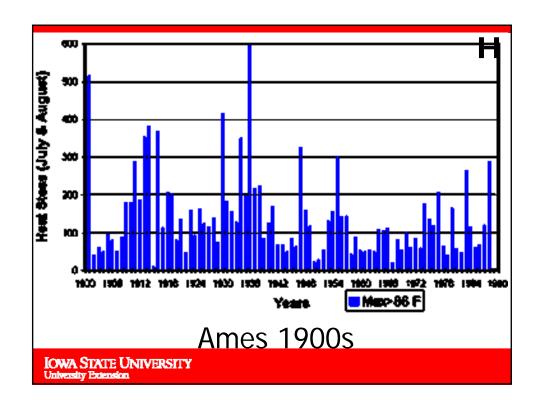
"The climate is changing, climate has always changed & will always change. The question is; 'how much, how fast, how come?'" D. M. Gates '66

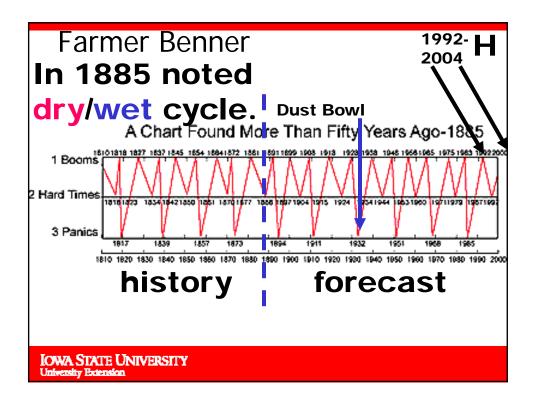


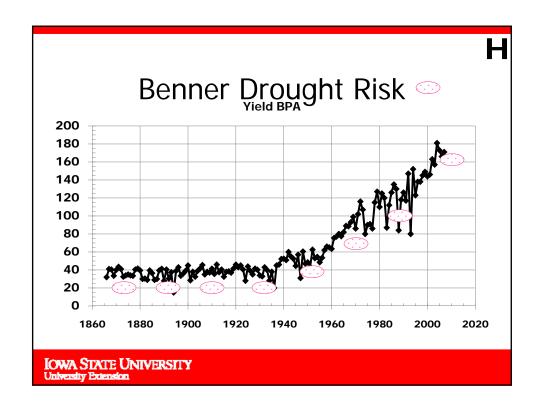


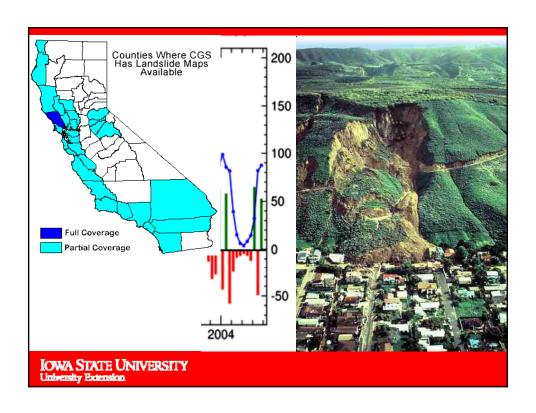




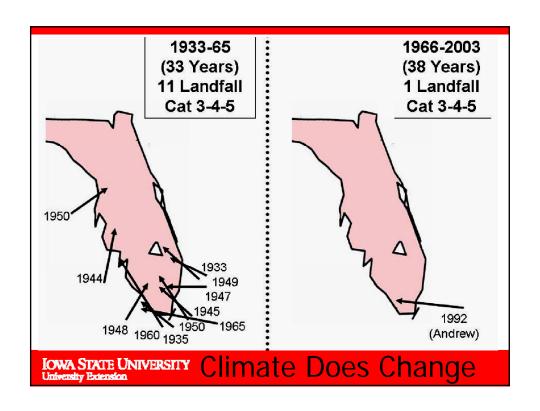




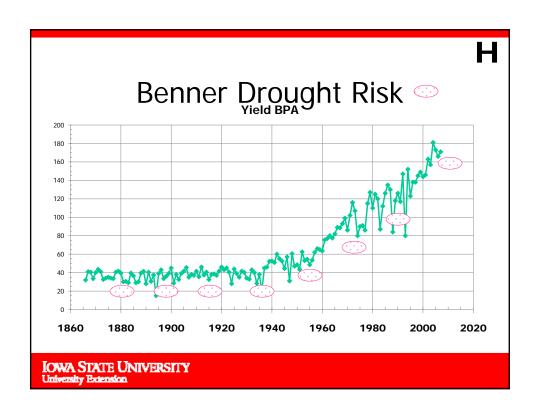


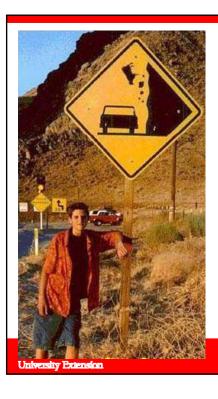






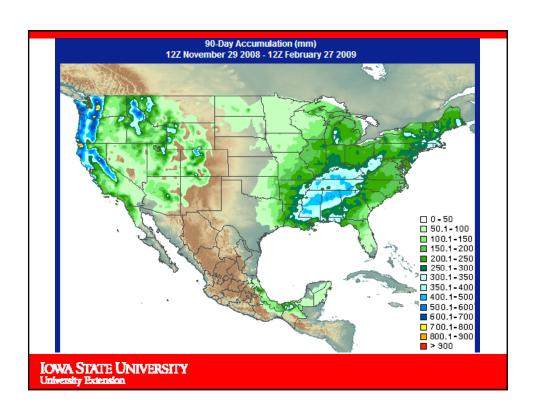


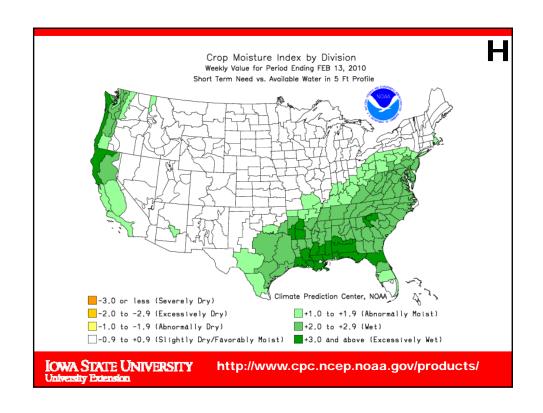


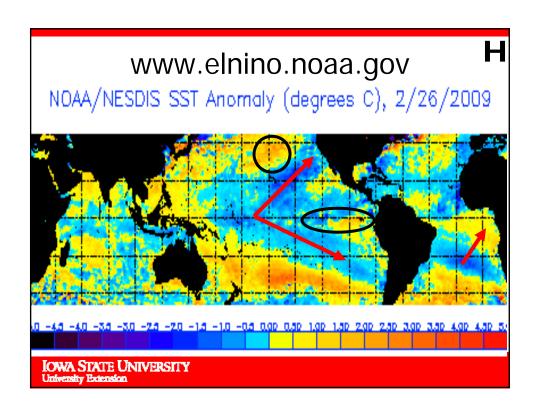


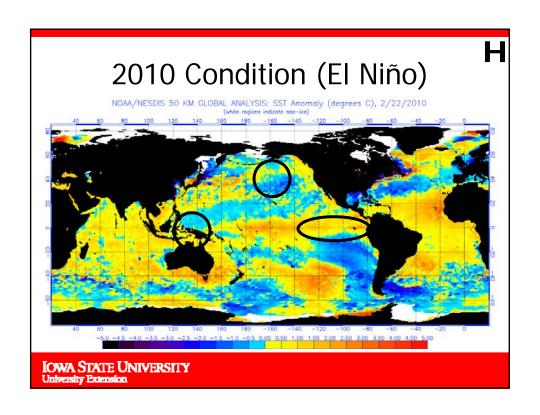
Weather Risk Benner Cycle

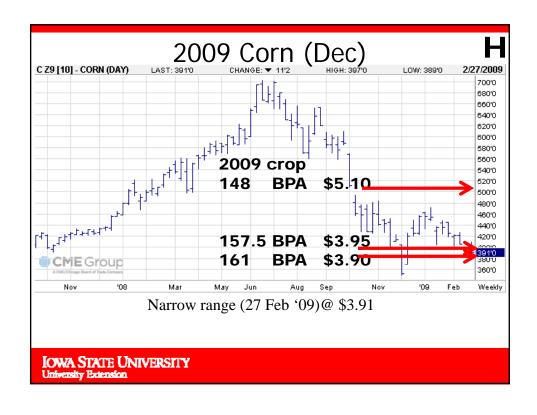
- Soil Moisture
- El Niño







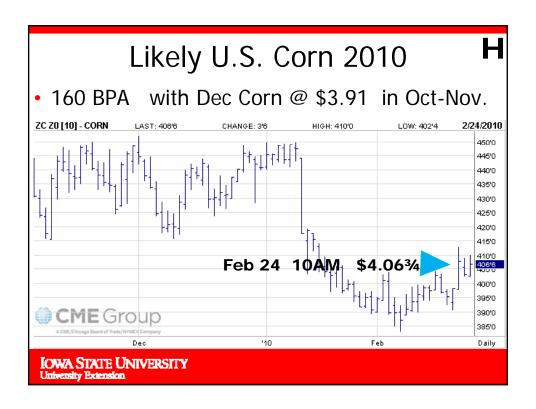


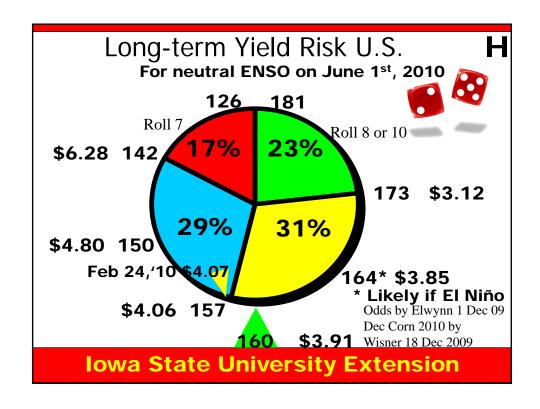


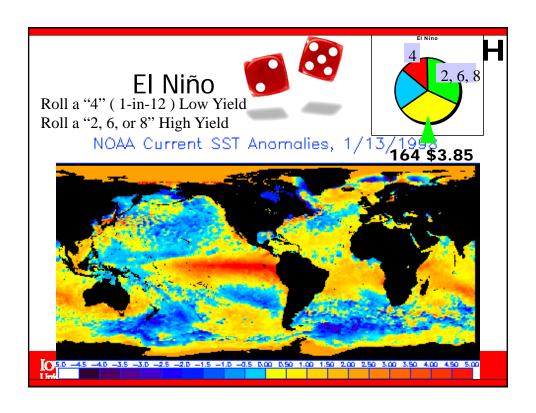


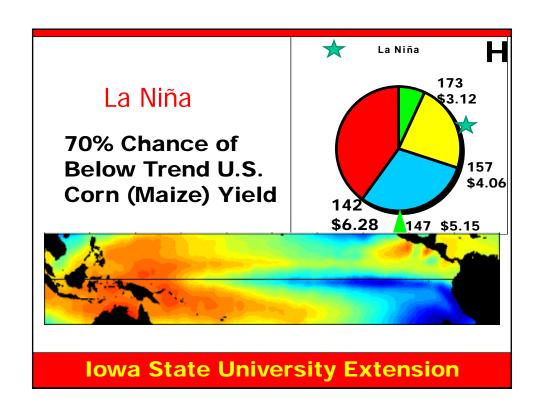
Our Feb '09 estimate Dec Corn: \$3.90 yield estimate 161 BPA

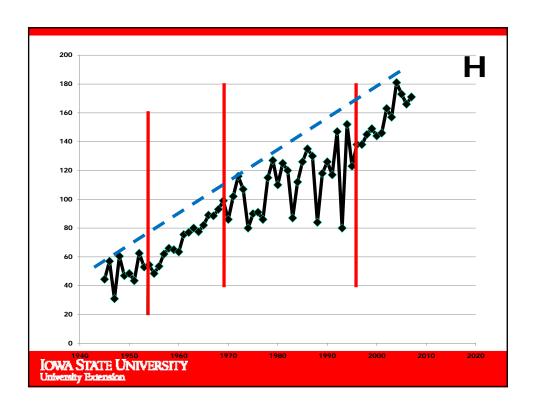
Overnight 3 Dec. e-Corn Price: \$3.93 1/4 Estimated yield 162.9 BPA

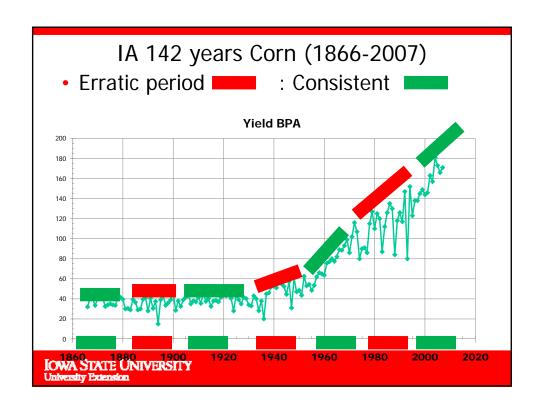


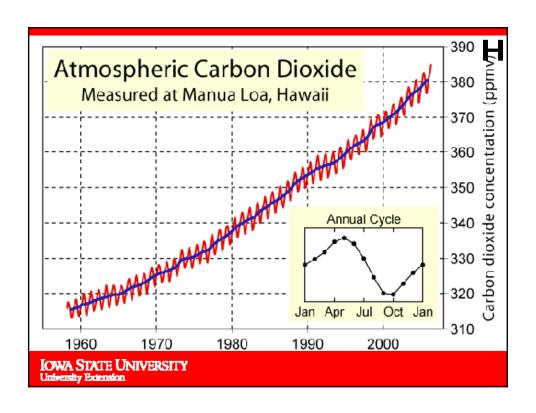


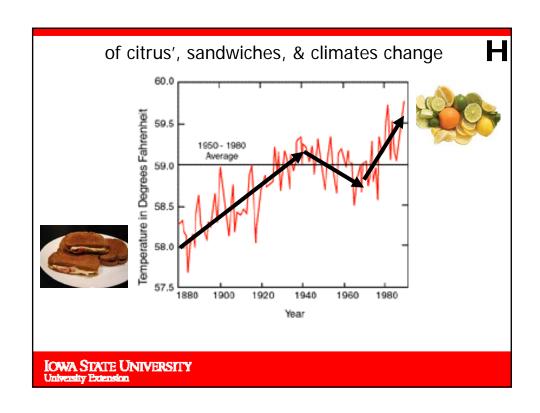




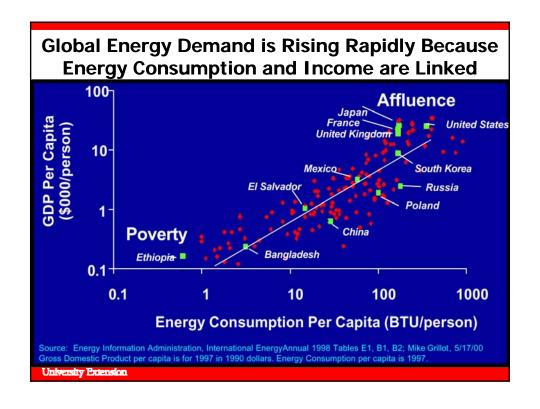


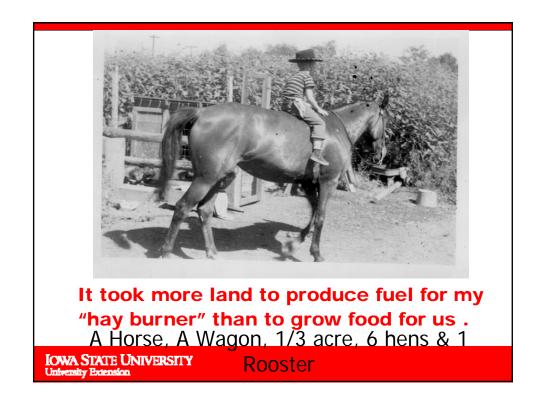










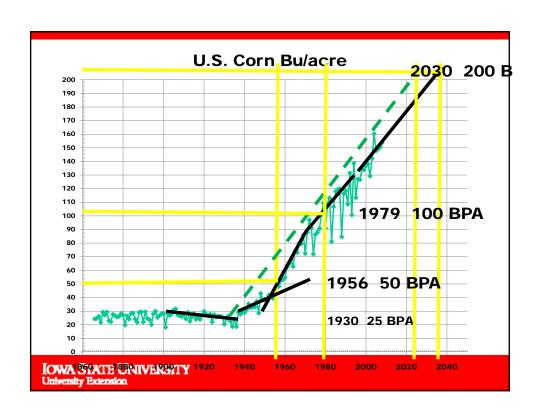


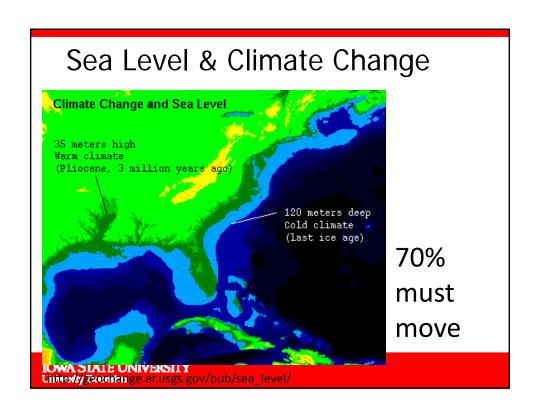
Enough Yield for Food & Fuel? For bio fuel potential native Midwest prairie is superior to corn

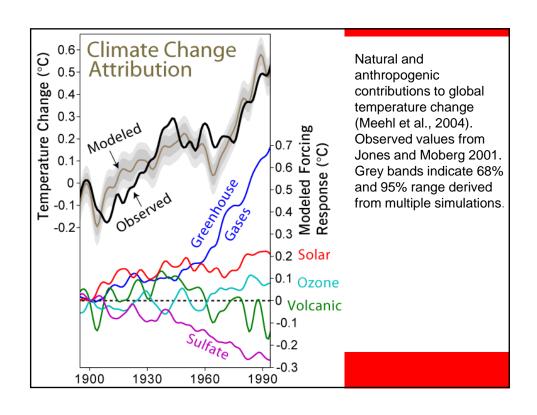
AS OF NOW

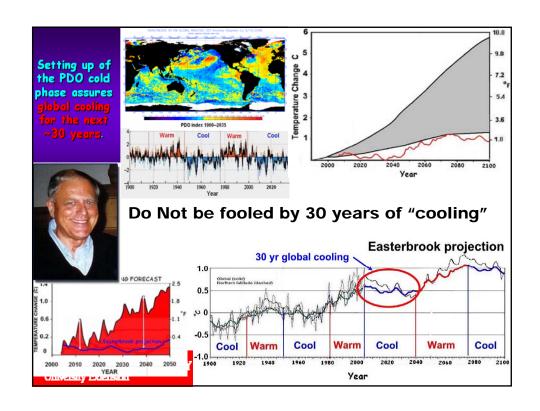
Can We Double Corn Yield?

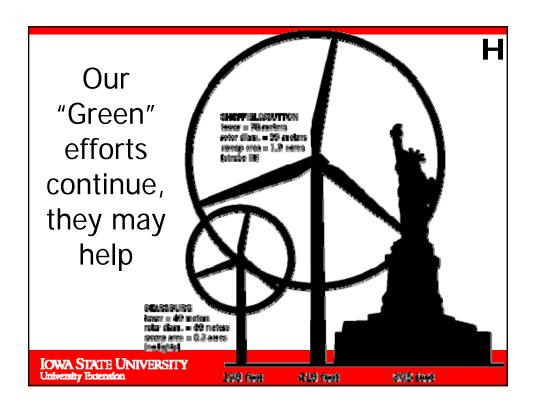
IOWA STATE UNIVERSITY University Extension

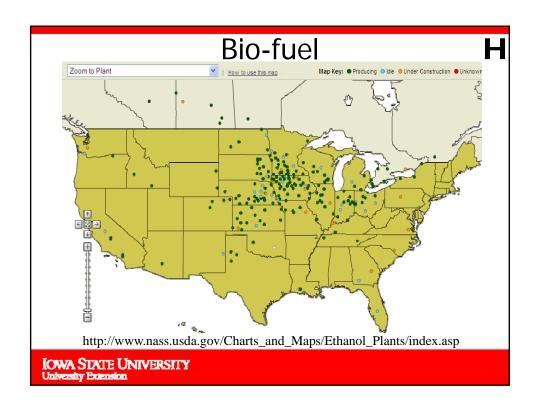


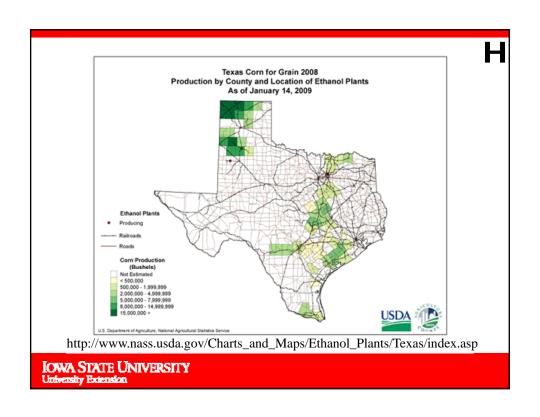


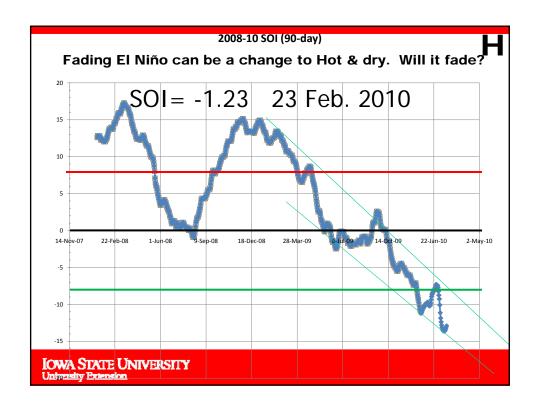












2010 Indicators & Impacts F

- Benner (19-year) Cycle
- + Subsoil moisture
- El Niño possibly fades
- Too wet spring possible
- Dry "West" possible
- + Wide-spread Corn belt drought not as likely as SE U.S. has near normal to moist weather.

Yield likely to be above trend: Corn 160+ Soy 45 (rust?)

IOWA STATE UNIVERSITY

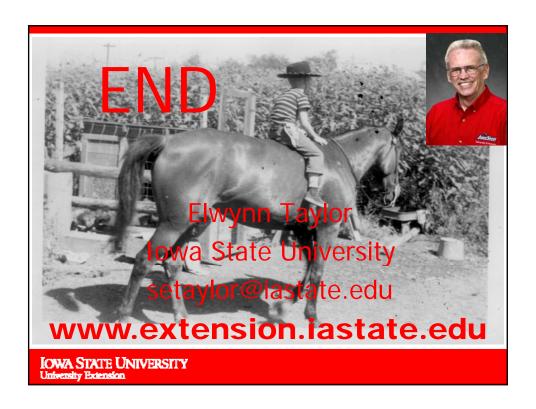


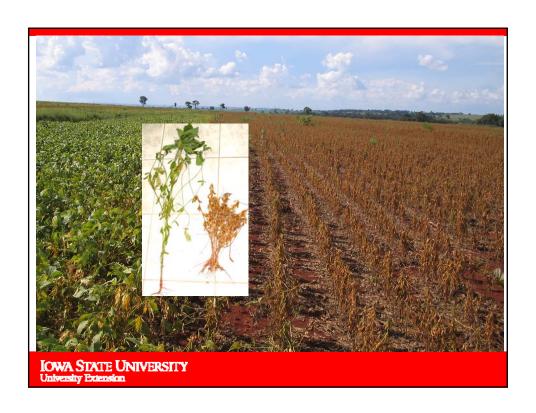


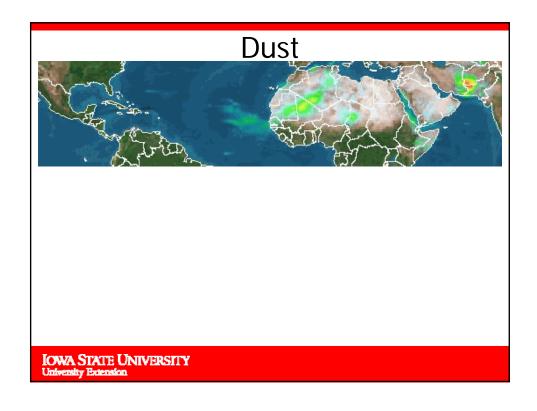
END

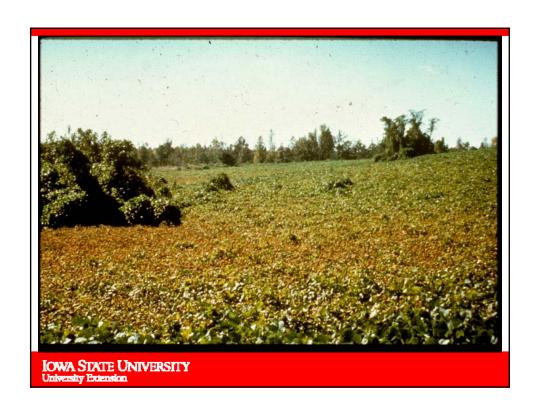
Elwynn Taylor
Iowa State University
setaylor@iastate.edu

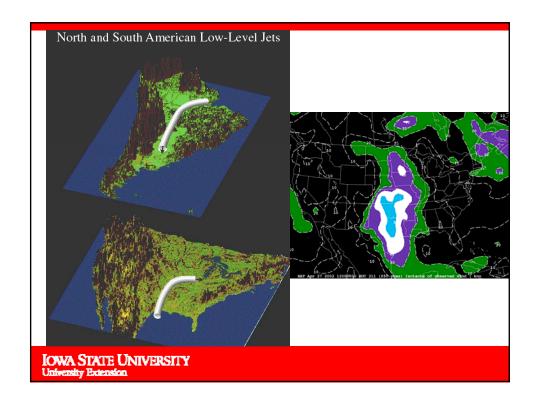
www.extension.iastate.edu
Iowa State University Extension

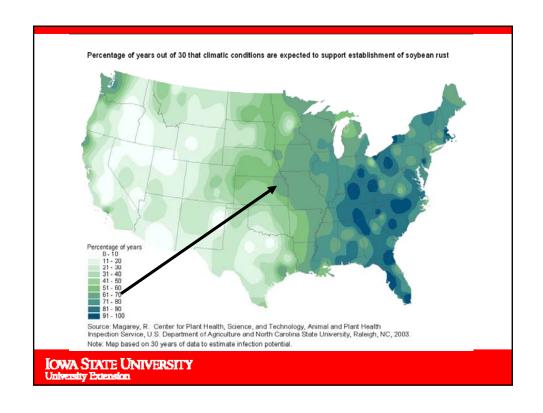


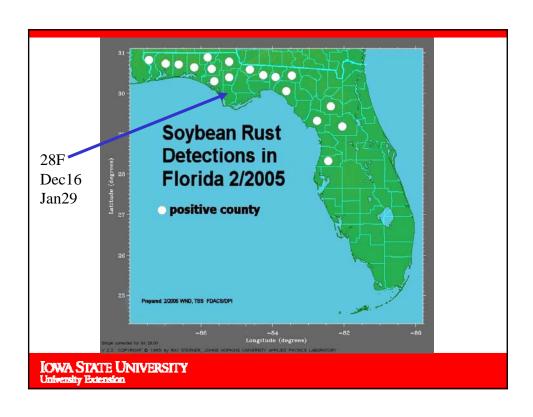


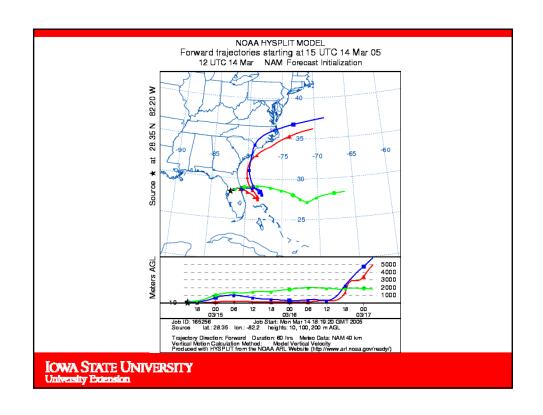


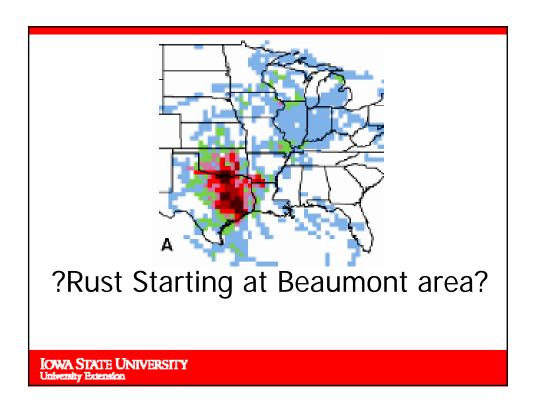














Agriculture and Natural Resources • Family and Consumer Sciences • 4-H and Youth Development • Community Development