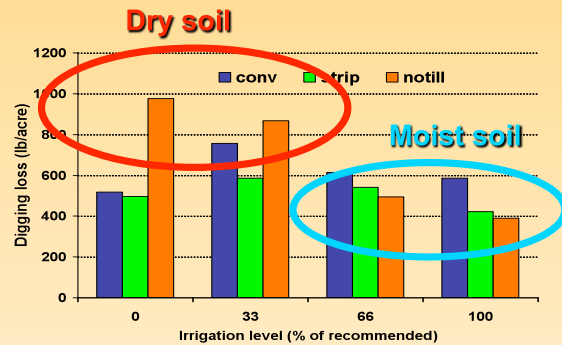


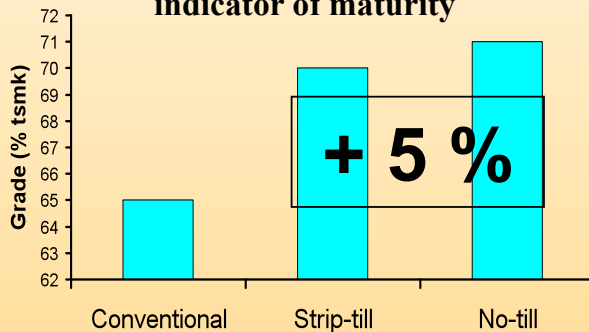
**MYTH #8: CONSERVATION TILLAGE PROMOTES DIGGING LOSSES IN PEANUT**  
Peanut digging loss



**✳ No evidence of increased digging losses in conservation tillage with adequate soil moisture!**

**MYTH #9: PEANUT MATURITY IS SLOWER IN CONSERVATION TILLAGE**

Peanut grades are a good indicator of maturity



**✳ Peanut grades actually increased 5% in conservation tillage indicating a more uniform and mature pod set at harvest!**

**MYTH #10: CONSERVATION TILLAGE IS NOT ESSENTIAL TO LONG-TERM PRODUCTION AND ECONOMIC SUSTAINABILITY**

**What if you could.....**

- Increase soil organic matter and carbon content (and get paid for it!!)
- Make the same or better crops
- Decrease irrigation withdrawals
- Decrease fuel costs and operator hours by decreasing tillage operations

**ALL AT THE SAME TIME**

**✳ MUCH GREATER SUSTAINABILITY IN CONSERVATION TILL SYSTEMS FOR SOIL, WATER, AND CROPS!**

**For more information, contact:**

Diane Rowland, University of Florida, 229-869-2952

or

Wilson Faircloth, USDA-ARS, National Peanut Research Laboratory, 229-995-7400

**CONSERVATION TILLAGE MYTHBUSTERS:**

**Uncovering the Facts and Fiction about Conservation Tillage Systems**

Top 10 Myths About Conservation Tillage

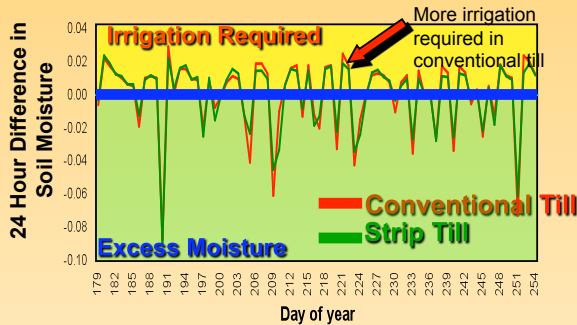
-OR-

Why aren't you using conservation tillage in your operation?

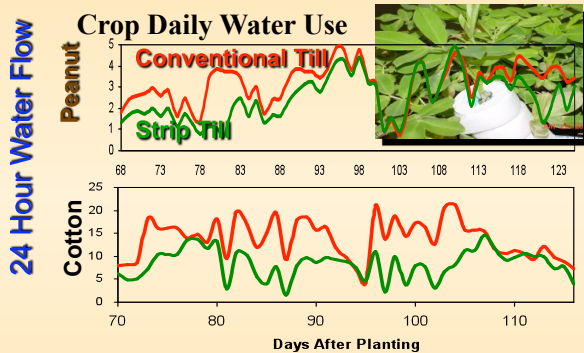


**MYTH #1: YOU SAVE MORE WATER USING CONVENTIONAL TILLAGE**

**Soil Moisture Deficits**

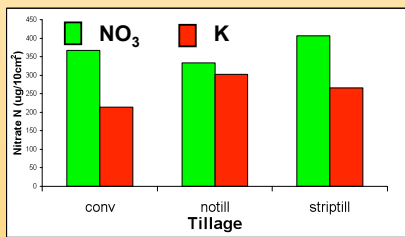


**Higher moisture deficits in conventional tillage!**



**Plants actually use MORE water in conventional till than in strip till!**

**MYTH #2: NUTRIENTS ARE LESS AVAILABLE TO THE CROP IN CONSERVATION TILLAGE**

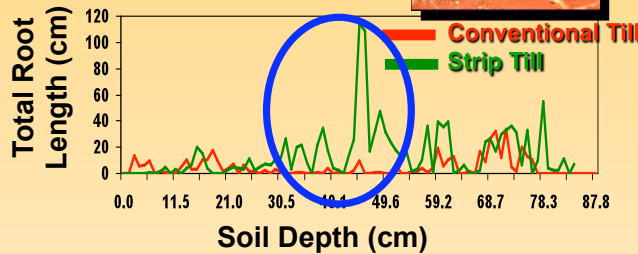


**Higher nitrogen in strip till and higher potassium in no-till over conventional tillage**

**Nutrients equal or better in conservation till!**

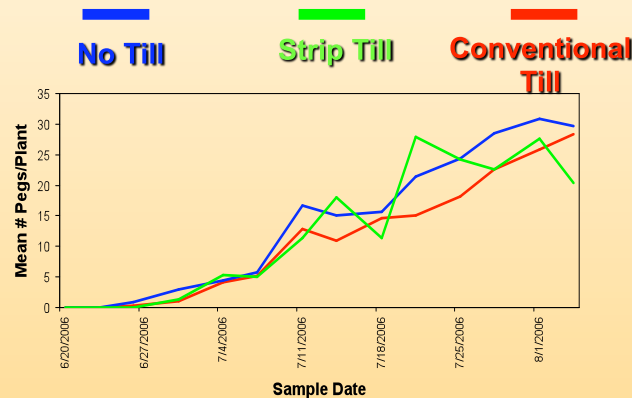
**MYTH #3: THE COVER CROP INTERFERES WITH ROOT GROWTH OF THE CROP**

**Root Length - Peanuts**



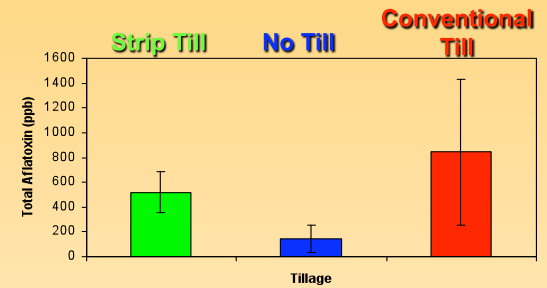
**Crop roots follow cover crop channels (50 cm depth) + more roots overall in the strip till!**

**MYTH #4: THE COVER CROP INTERFERES WITH PEANUT REPRODUCTION Number of Pegs**



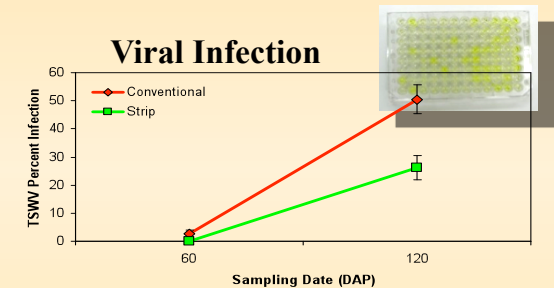
**In four years of research, no evidence of lowered flower, peg, or pod numbers in conservation tillage!**

**MYTH #5: AFLATOXIN IS INCREASED IN CONSERVATION TILLAGE PEANUTS**



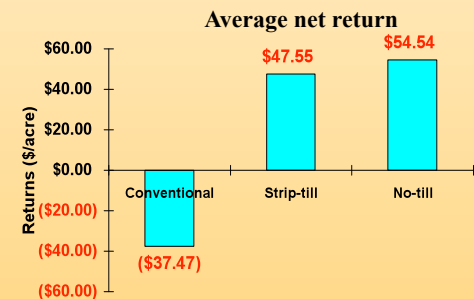
**No evidence of increased aflatoxin in conservation tillage!**

**MYTH #6: TSWV IS INCREASED IN CONSERVATION TILLAGE**



**Tomato spotted wilt virus decreased in conservation tillage!**

**MYTH #7: IT'S MORE EXPENSIVE TO USE CONSERVATION TILLAGE**



**4-year return was greater in conservation tillage!**