

Why Don't We Change?

Farming Already Risky Enough.

If It Works Don't Change It.

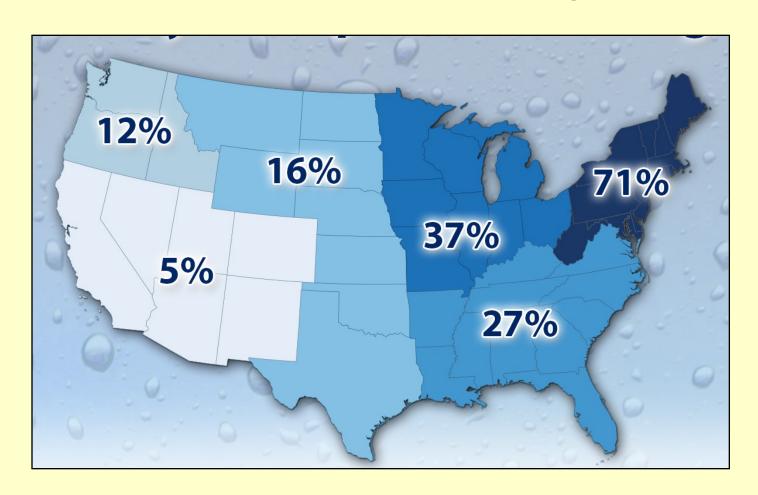
I Already Get Good Yields.







#### Trends in Extreme Precipitation

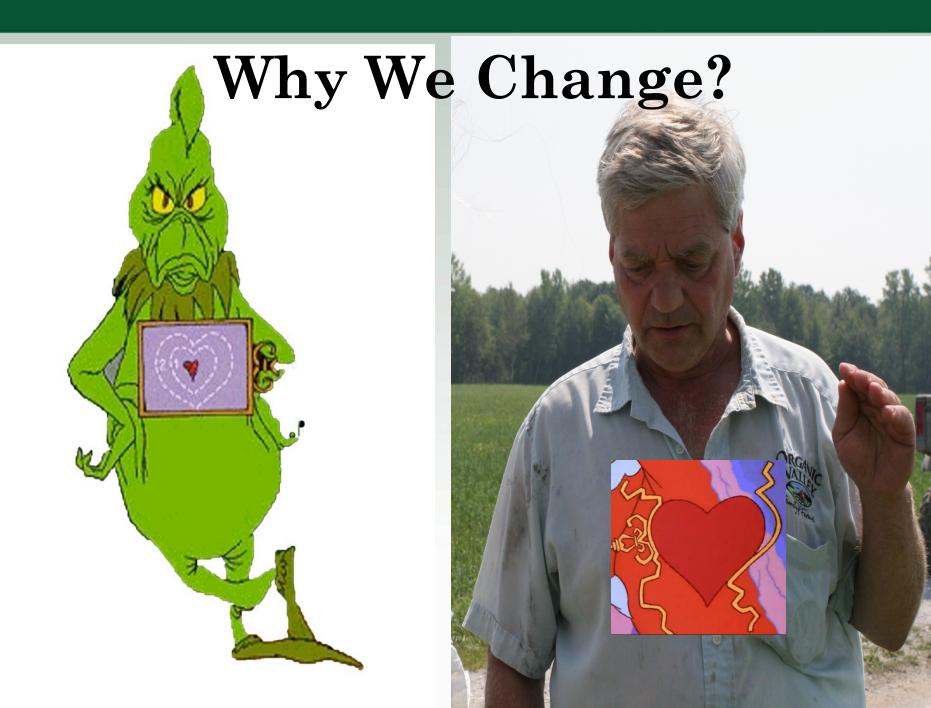


Increase in the number of 2" rainfalls per year from 1958 to 2011









# What is the value of Your topsoil?

Why are YOU just giving it away?





## Legendary Tillage Radish





Tillageradish.com

# What Can We Do?



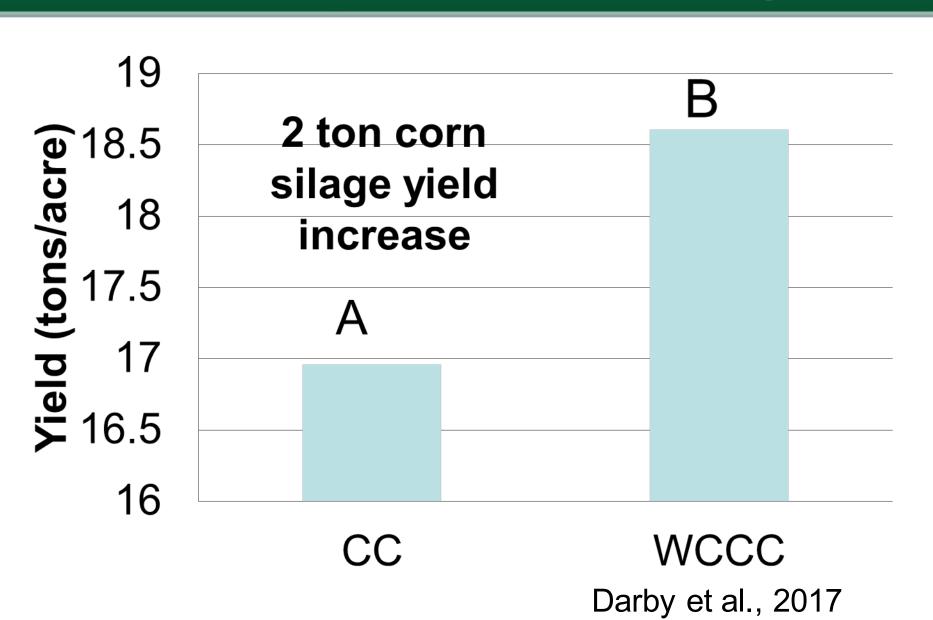
#### 50 Top Corn Silage Growing Counties Winter Hardiness Zones The black line indicates the area of the country with seasonally low temperatures similar to Vermont. The work proposed in this grant could be applied to areas north of this line. 25 of the 50 top producing corn silage counties are north of this line encompassing 919815 acres. Legend Vermont State Boundary Top 50 Corn Silage Acres in Production Counties Top 50 Corn Silage Counties **Hardiness Zones Low Temperatures** 0 - 10-29 - -25 -19 - -10 -44 - -40 -39 - -30 -24 - -20 11 - 20

#### 50 Top Corn Silage Growing Counties 30 Year Average Precipitation The Black line indicates the area of the country with similar growing season to Vermont. This map indicates that In the Northeastern US there is more precipitation than other corn silage growing regions which creates challenges for using cover crops on a wide scale. Legend Vermont State Boundary Top 50 Corn Silage Acres in Production Counties Top 50 Corn Silage Counties 30 Year Average Precipitation (Inches) 1.79- 6.7 15.7-21.8 30.7-38.8 44.5-49.53 49.6-56.4 56.5-65.8 6.8-15.6 21.9-30.6 38.9-44.4



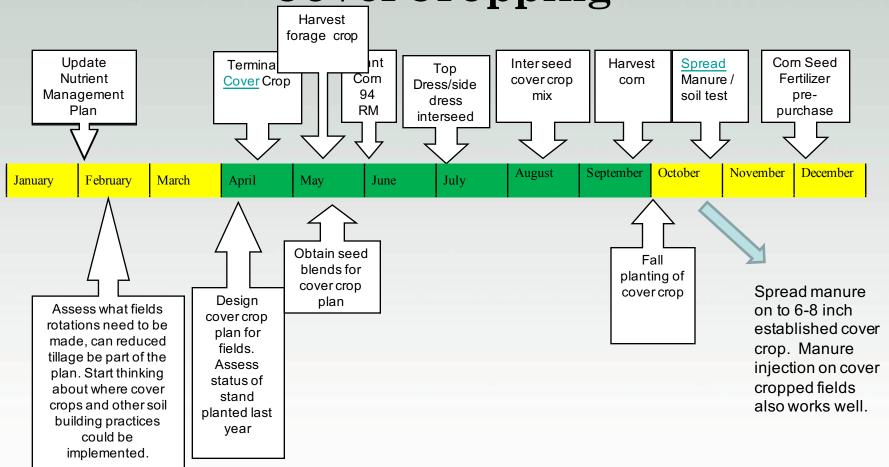


#### Corn Yields and Cover Crops

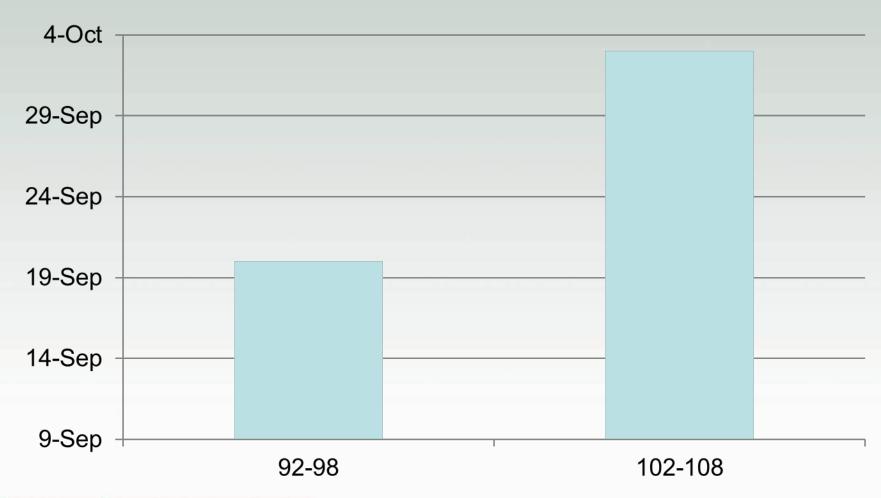




#### 12 Month Cropping System for CoverCropping

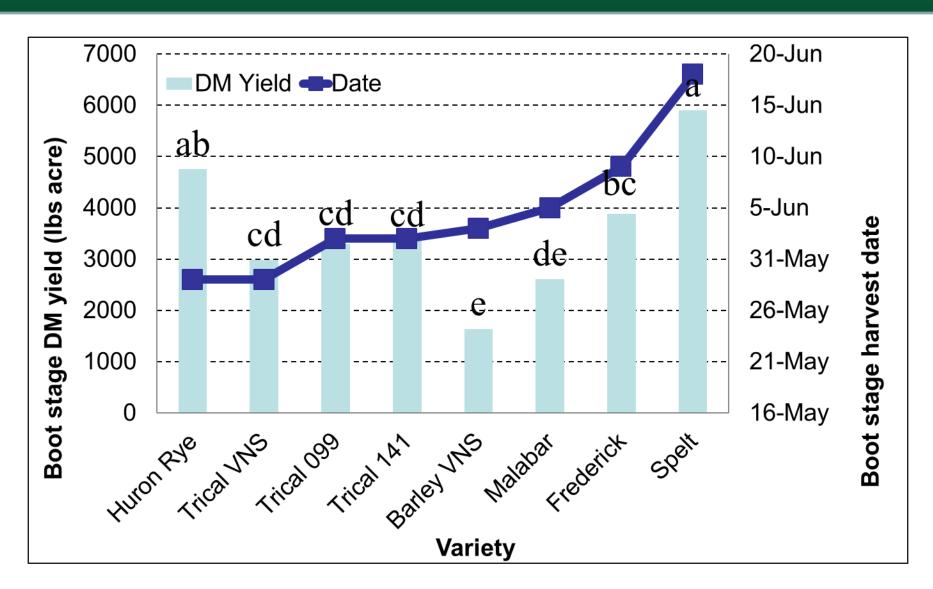


# Harvest Dates of Corn

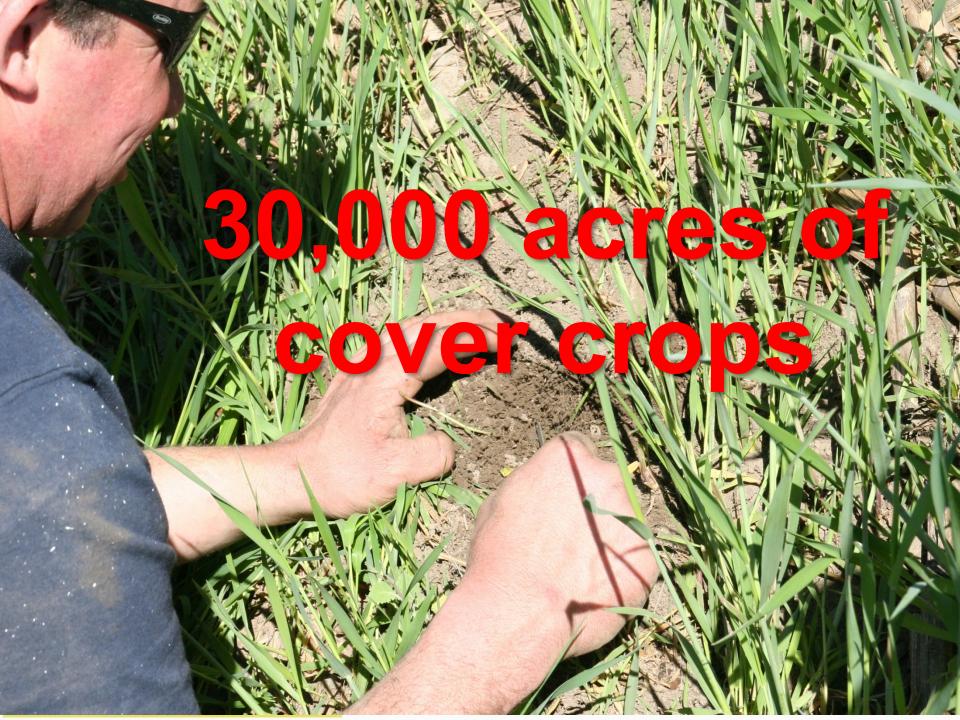




## Winter Grain Forages

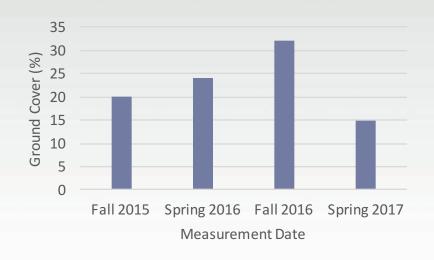


Darby et al., 2014









# Developing Corn Silage Systems to Meet the Needs of Cover Crops



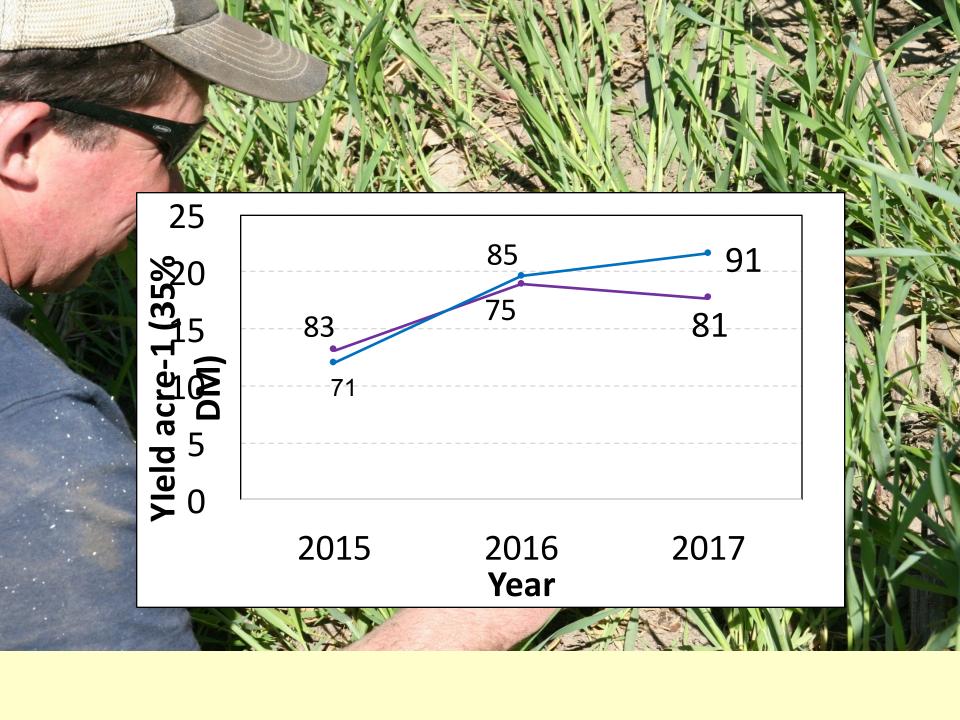
**NESARE Project # LNE18-361** 











#### Developing Technical Skills of Service Providers in the Northeast to Assist Farmers with Transition to No-Till



NESARE Project # ENE18-149

