

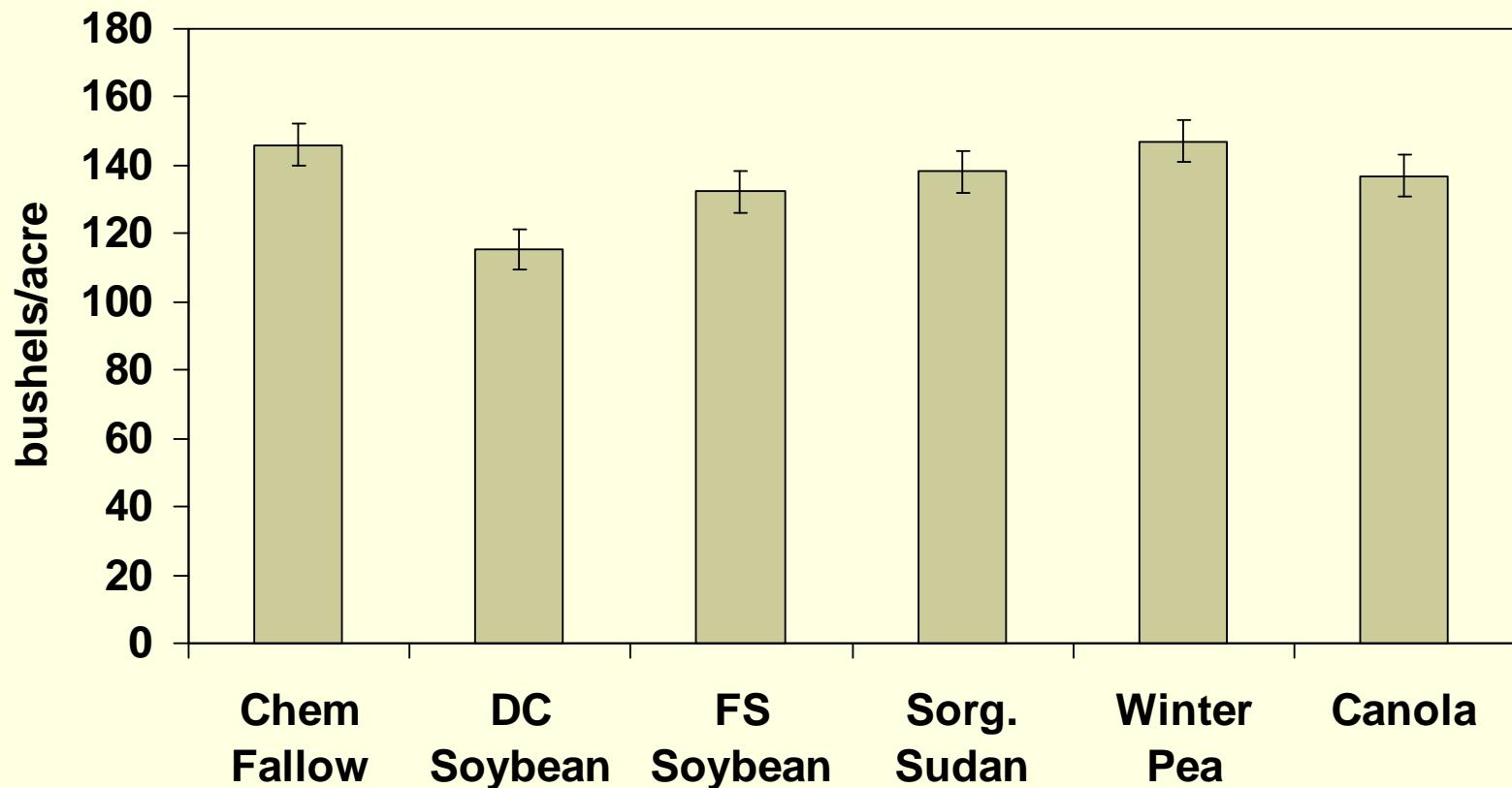
Cover Crop Effects in a Wheat/Sorghum/Soybean Rotation

Kevin Arnet, Justin Petrosino, Anita Dille and Kraig Roozeboom



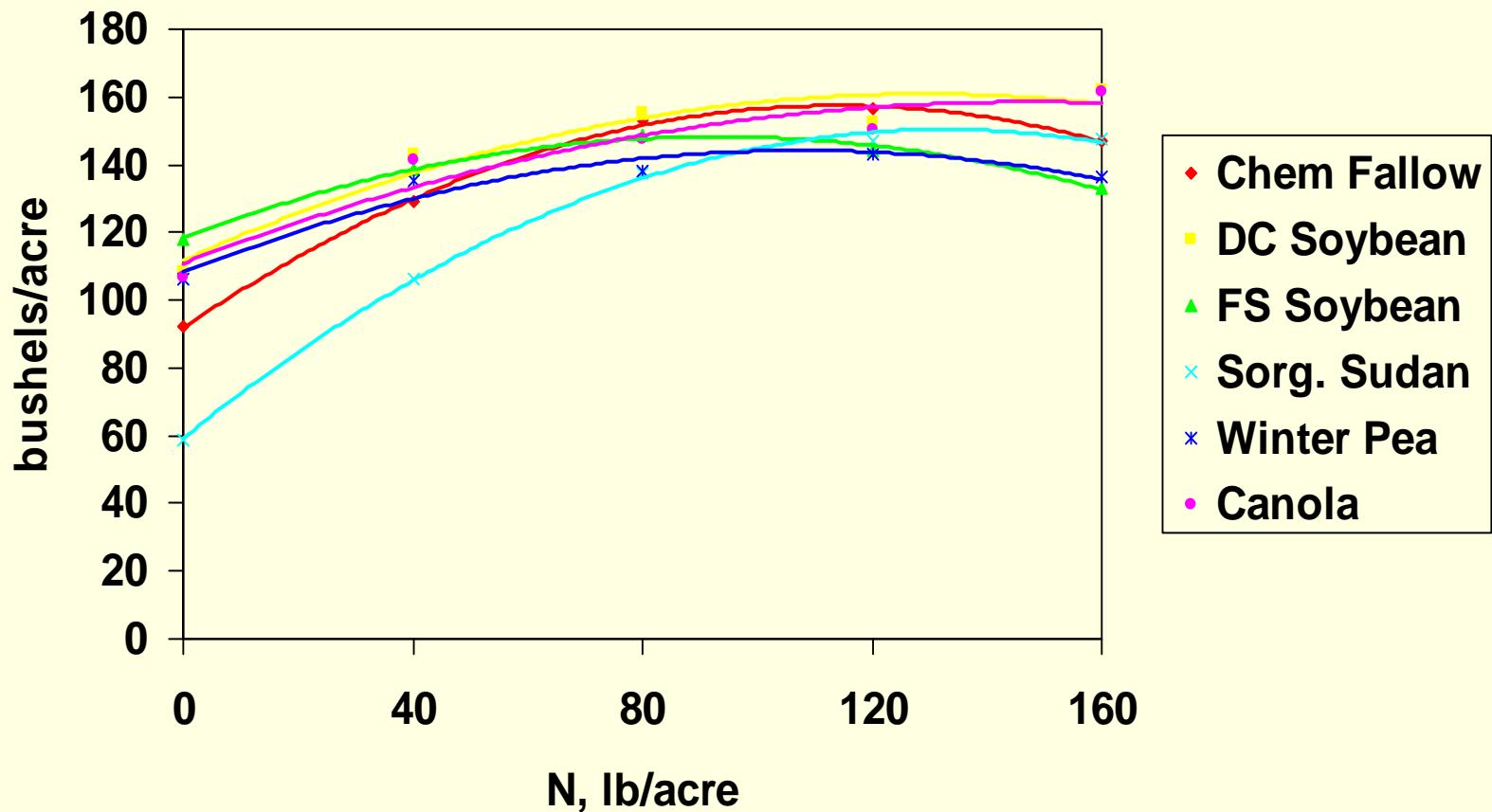


2008 Sorghum Yields

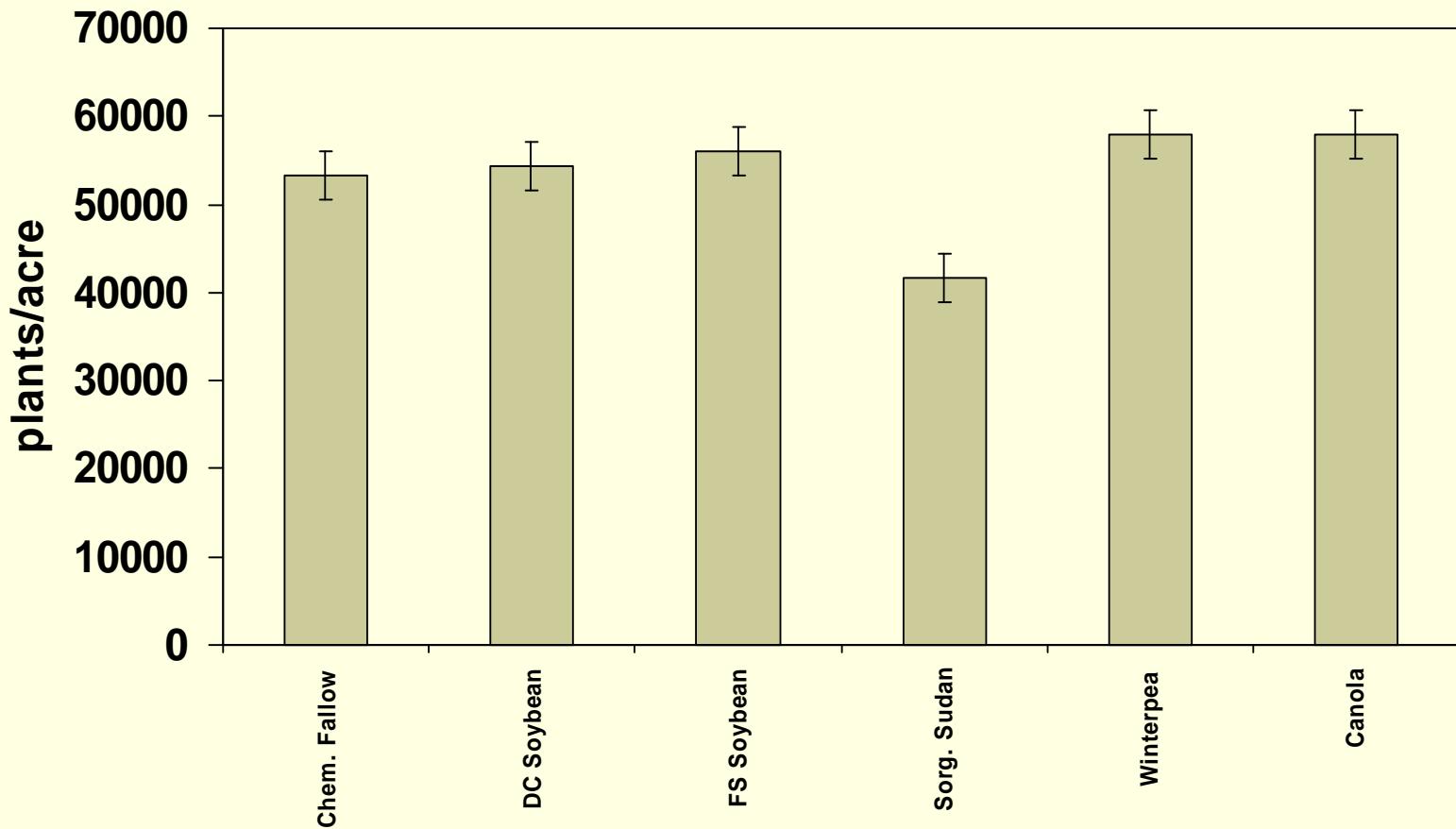


No response to N rates (0, 40, 80, 120, 160 lb/acre)

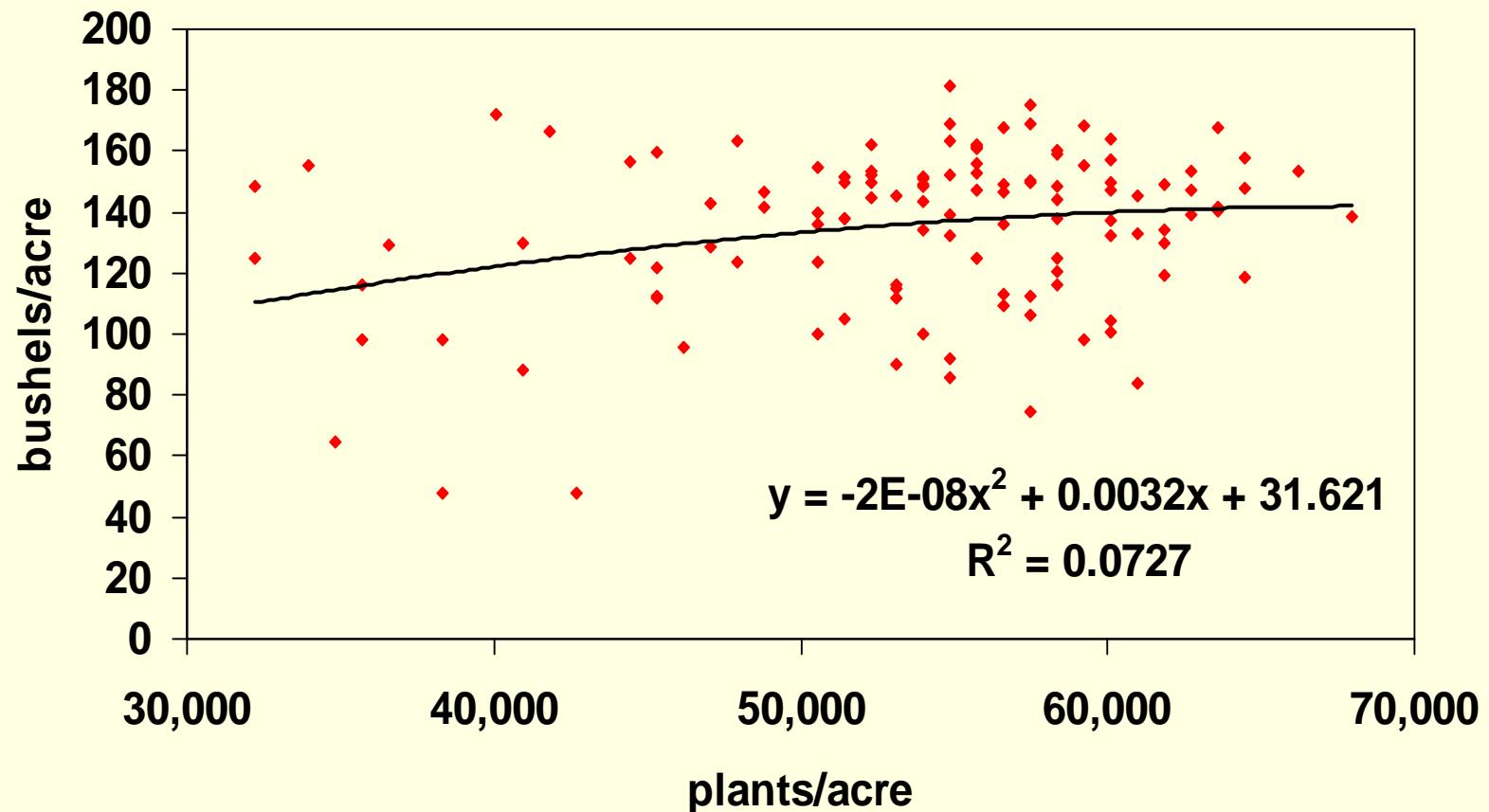
2009 Sorghum Yields



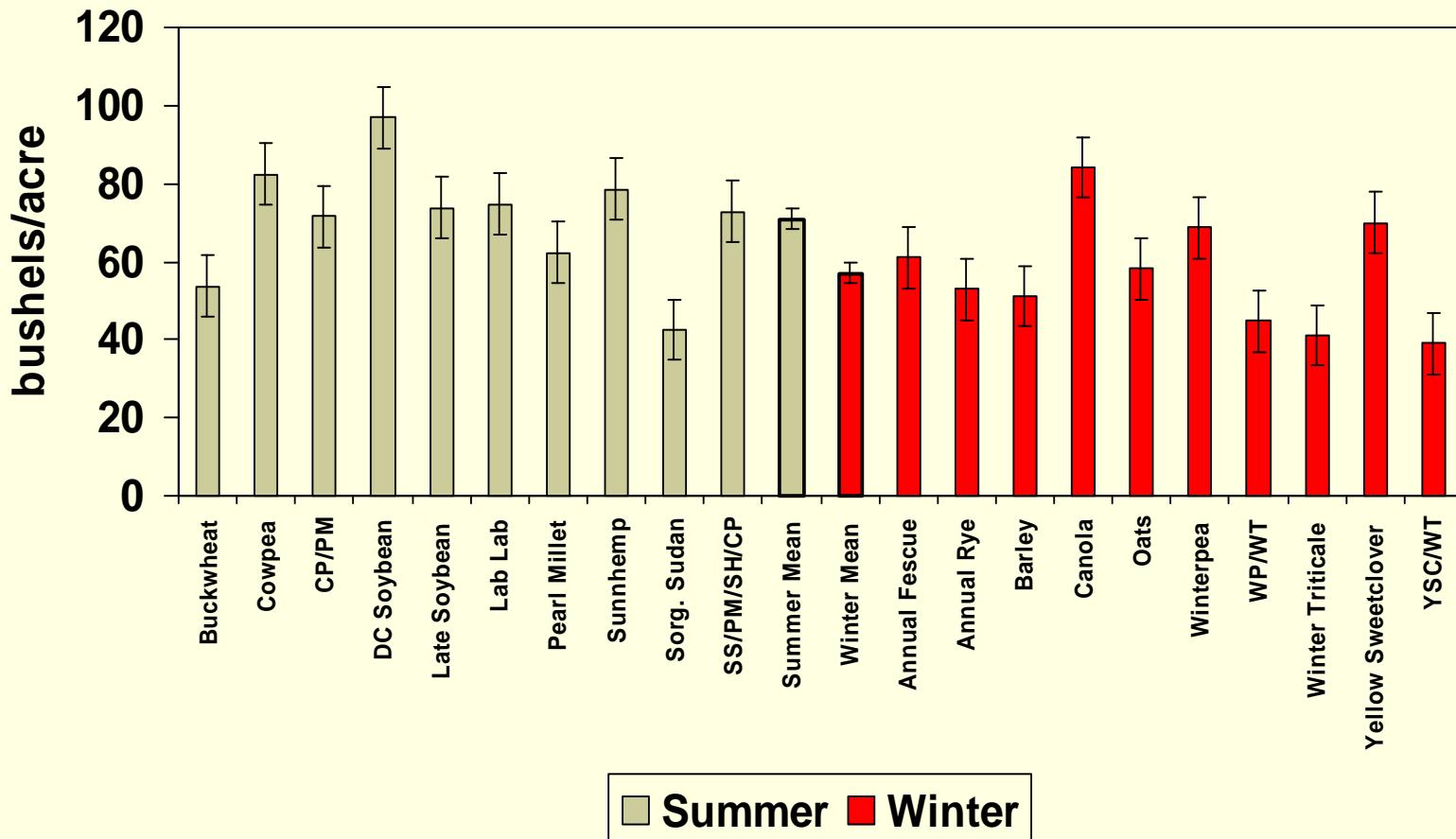
2009 Sorghum Stands After Cover Crops



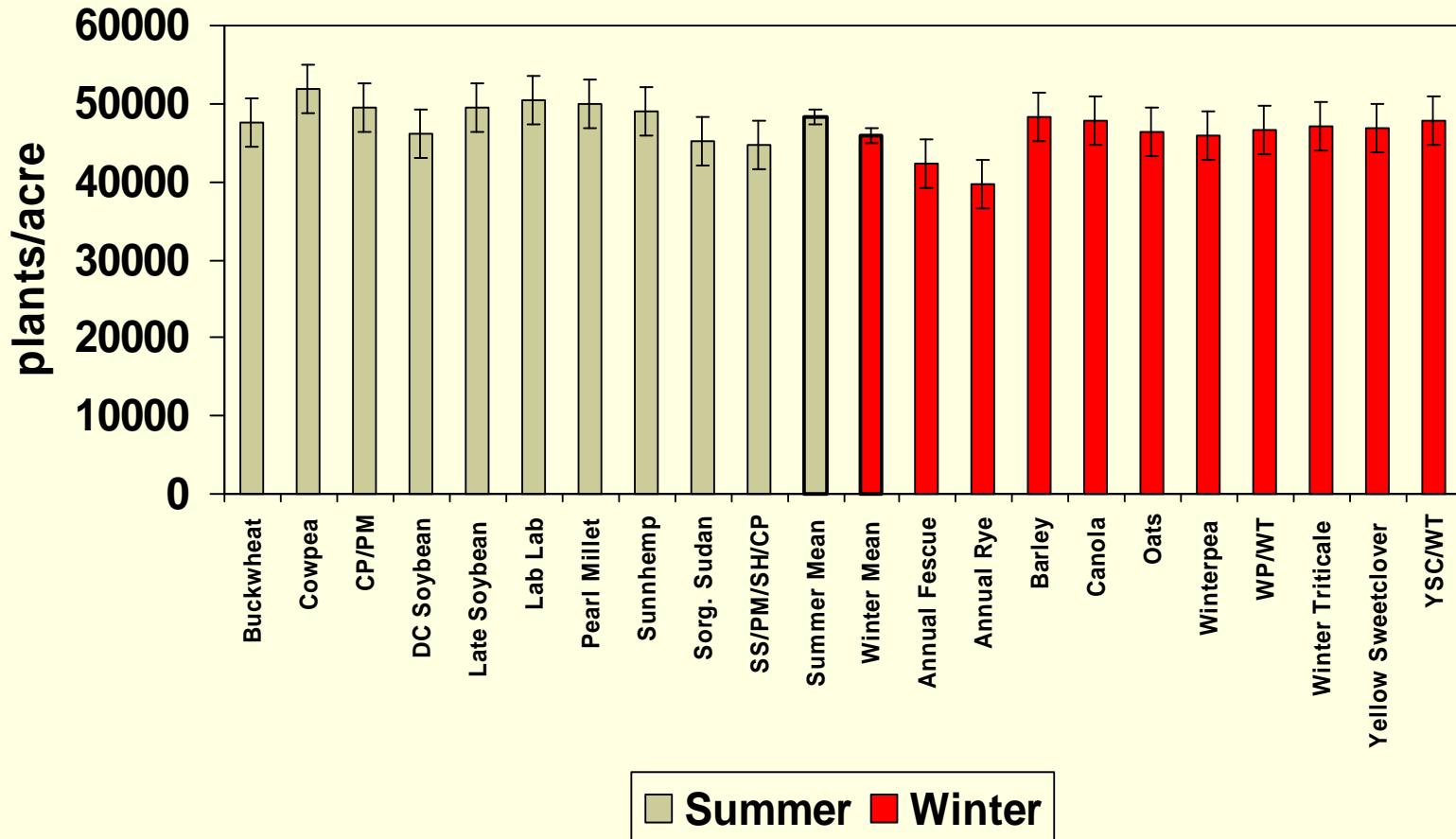
Relationship Between Yield and Plants/Acre (CC x N)



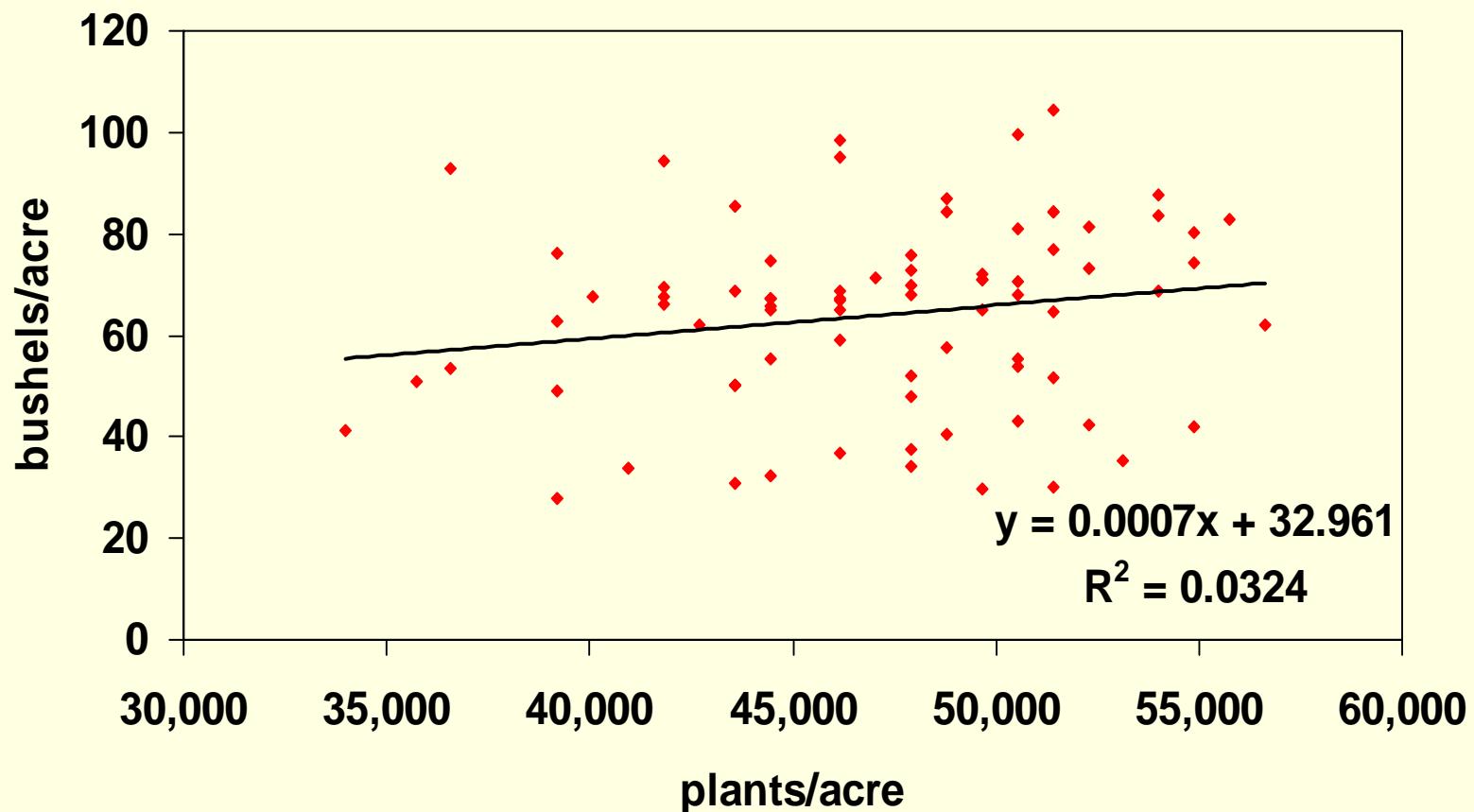
Sorghum Grain Yield After Cover Crops



Sorghum Stands After Cover Crops



Relationship Between Yield and Plants/Acre (CC)



Cover Crop Thoughts

- Cover Crops can be grown in Wheat/Sorghum/Soybean rotation without adversely affecting crop yield.
- Cover crops with low C:N ratios can result in greater yields with no additional N.
- Too much cover crop residue can slow early growth, reducing sorghum yield at low N rates.