Cotton Variety Performance



Environments



Dennis Burns Brooks Blanche Nan Huff Grayson Close









- Seed is a major investment
- Varieties have a short shelf-life
- New technologies change rapidly





Research Areas



•Goals:

- -Variety x Soil Type
- -Variety Stability
- -PGR Management
- -Variety x Irrigation
- -Planting Dates x Varieties





On-Farm Cotton Trials Considerations



üTrial Plan

üField Location

üEquipment

üLayout

üAnalysis

üLarger Areas





Trial Plan
 Treatments
 Site Selection
 Producer

Field Location
 Drainage
 Fertility
 Irrigation





CEquipment Application Harvest CayoutFieldData CollectionHarvest





üAnalysis What criteria How Analyzed Carger Areas More Resources More Producer Time



PGR x Variety x Soil Type

Varieties (2 Reps): •STV5288 •DP1133 •DP1137 •PHY499

Soil Types (2): •Dundee Loam • Tensas-Alligator Clay Complex

Location:

Concordia ParishOn-farm

<u>Cooperators:</u> •Tim White, Producer

2011 Soil Map



2011 VERIS Map



2011 Variety Map



2011 Yield Map



Lint Yield - Soil Type

Variety	Whole Strip	Silt Loam	Clay
STV 5288	574	599	565
DPL 1133	480	495	475
DPL 1137	507	546	491
PHY 499	626	633	624

Lint Yield x Deep Ec Zones

Variety	1	2	3	4
STV 5288	624	755	598	479
0110200	021	100		
DPL 1133	521	668	464	422
DPL 1137	567	705	499	422
PHY 499	661	744	652	559

Lint Yield x Soil Type



Lint Yield x Deep Ec



Stability Across Soils

	Whole Strip %	Dundee Silt Loam 6 of Average Yi	Tensas- Alligator Clay ield
DPL 1133	88	87	88
DPL 1137	92	96	91
PHY 499	114	111	116
STV 5288	105	105	105

Summary

üExpand Research Station Results to Production Farms üProper Planning Makes a Good Trial **üWork with Producer's Equipment üProducer Education** üLarger Acres & Data Sets



Acknowledgments



Millie Deloach, Research Associate
Grayson Close, Research Associate
Darrell Franks, Farm Manager
Tim White, Producer



