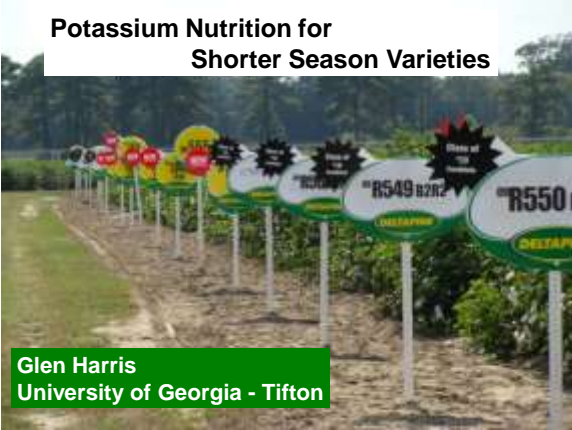


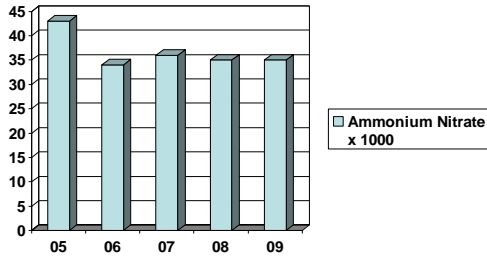
Potassium Nutrition for Shorter Season Varieties



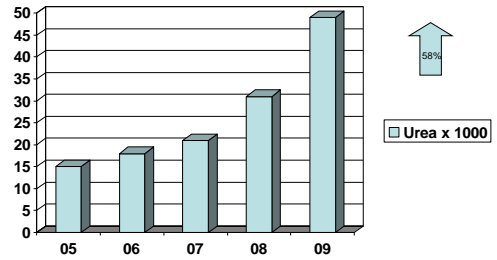
Fertilizer Prices (cents/lb)

	Pre-2005	2008	2009	2010 ?
Nitrogen	28	85	50	45
P2O5	22	85	25	25
K2O	12	80	70	50

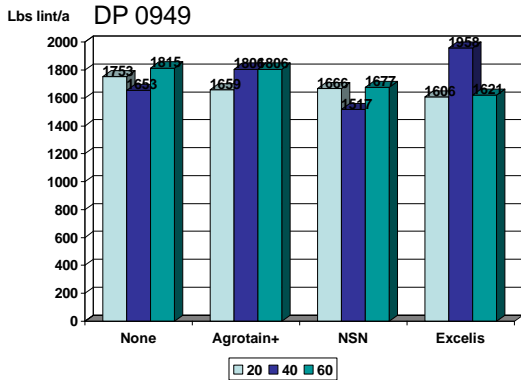
Ammonium Nitrate



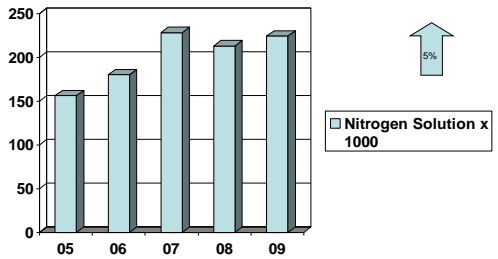
Urea



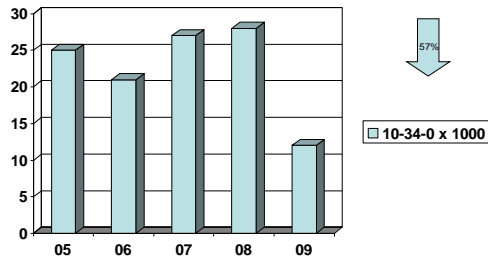
**N EEs on Cotton – Sunbelt Expo 2009
DP 0949**



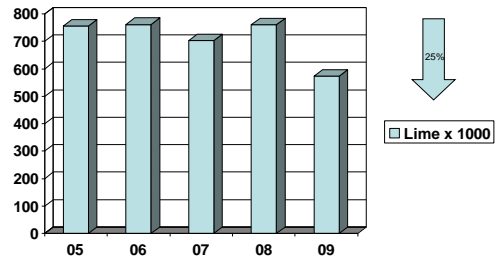
Nitrogen Solution



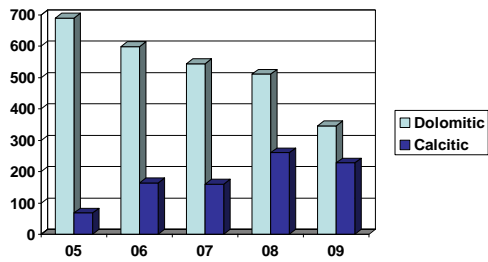
Ammonium polyphosphate



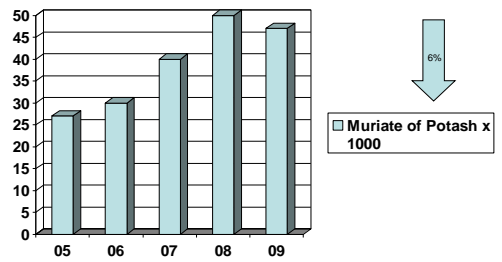
Total Lime Tonnage



Calcitic and Dolomitic Lime



Muriate of Potash



Why Worry about K ?

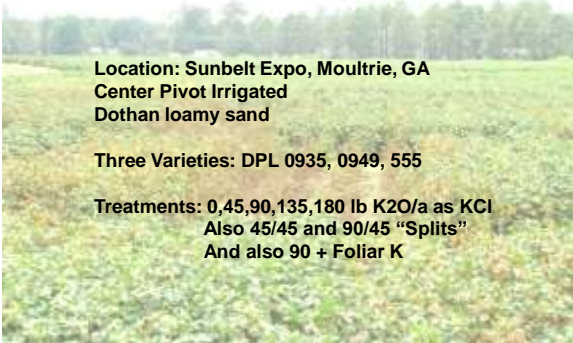
- New, shorter-season, higher-yielding varieties (Compared to 555)
- K still more expensive than N and P
- Spring 2009 Rainfall
- Leafspot



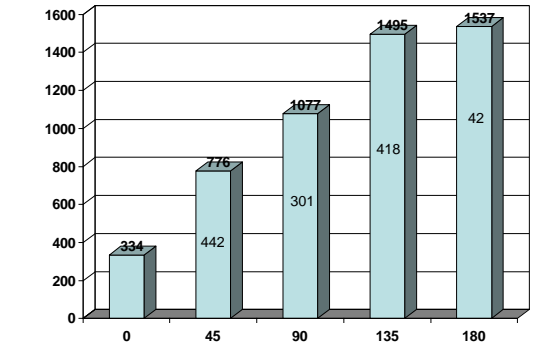


Leafspot and K Deficiency

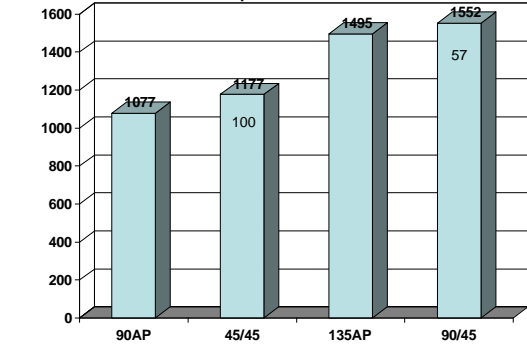
K Rate Studies in 2009



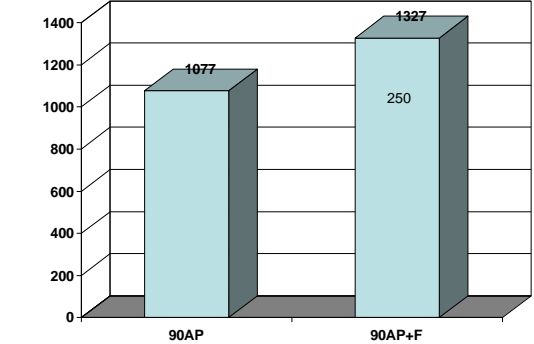
K Rate on Cotton – Sunbelt Expo 2009
 DP 0935 (STK = 46 Rec= 135)



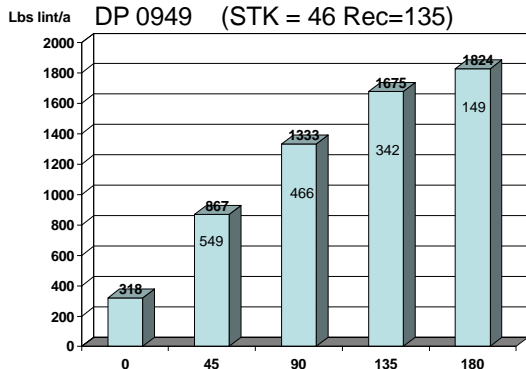
K Rate on Cotton – Sunbelt Expo 2009
 DP 0935 - "Splits"



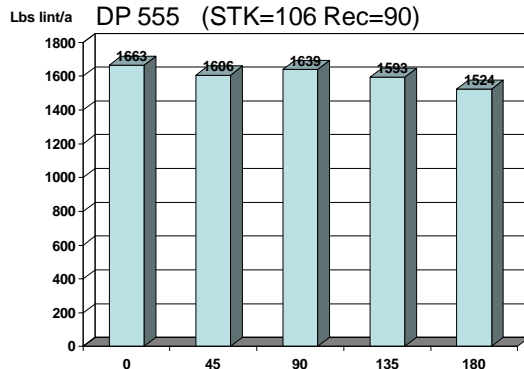
K Rate on Cotton – Sunbelt Expo 2009
 DP 0935 - Foliar



K Rate on Cotton – Sunbelt Expo 2009
DP 0949 (STK = 46 Rec=135)



K Rate on Cotton – Sunbelt Expo 2009
DP 555 (STK=106 Rec=90)



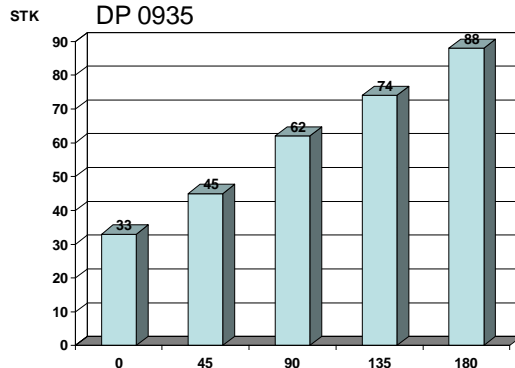
Soil Test Interpretation

For P and K

All Agronomic Crops – Including Peanuts !

Soil Test Rating	Chance of Yield Response to Applied Fertilizer (%)
Low	80
Medium	50
High	10
Very High	Near Zero

K Rate on Cotton – Sunbelt Expo 2009
DP 0935



Soil Test Index #

All Agronomic Crops
(Except Peanuts)

	Low	Med	High	Very High
P	0-30	31-60	61-100	101+
K	0-60	61-150	151-250	251+

Peanuts

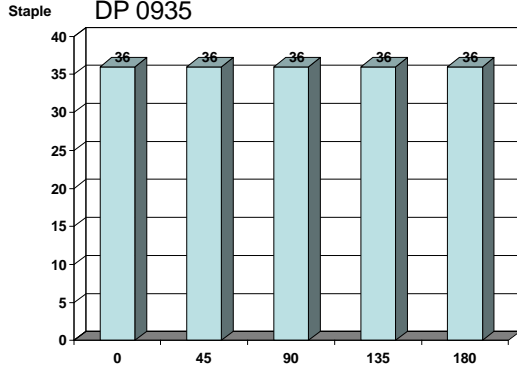
	Low	Med	High	Very High
P	0-15	16-30	31-60	61+
K	0-30	31-60	61-150	151+

July 10 '09

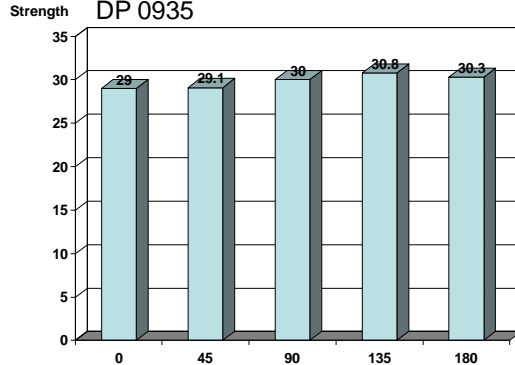




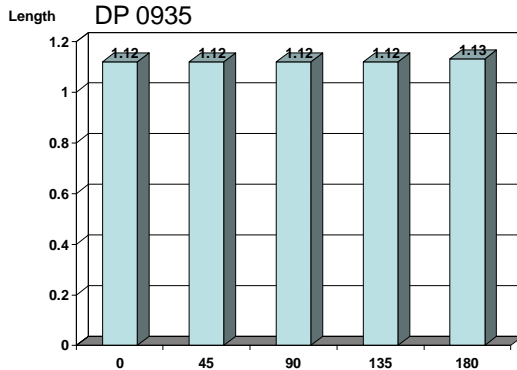
K Rate on Cotton – Sunbelt Expo 2009
DP 0935



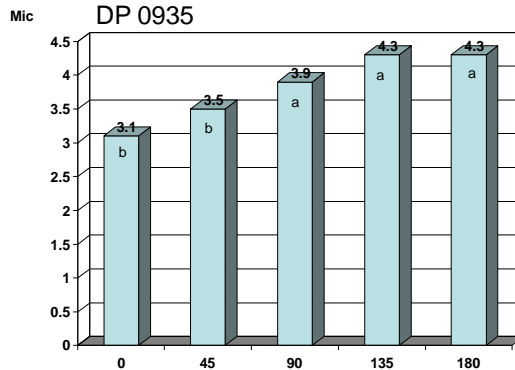
K Rate on Cotton – Sunbelt Expo 2009
DP 0935



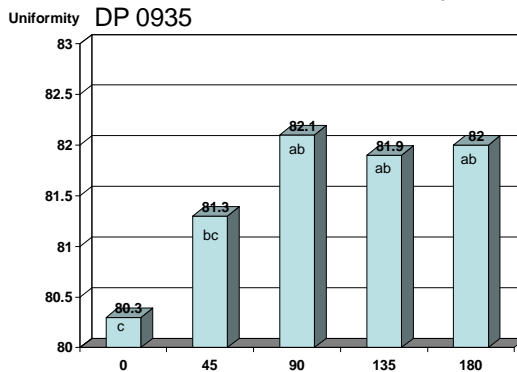
K Rate on Cotton – Sunbelt Expo 2009
DP 0935



K Rate on Cotton – Sunbelt Expo 2009
DP 0935



K Rate on Cotton – Sunbelt Expo 2009
DP 0935



HVI Quality

	Staple	Mic	Strength	Length	Uniformity
0935	36	3.9	29.9	1.12	81.8
0949	37	4.5	31.7	1.17	83.3
555	36	4.2	29.2	1.11	80.8

Conclusions

- UGA Cotton K recommendations are “on target”
- Low Fertilizer K on Low K soils with new varieties will dramatically reduce yield, turnout and grade
- Foliar K can increase yields if recommendation is “under cut”
- Evaluation of Split applications of K fertilizer needs to be continued

