

# Do the nitrogen requirements of irrigated cotton vary with yield potential?

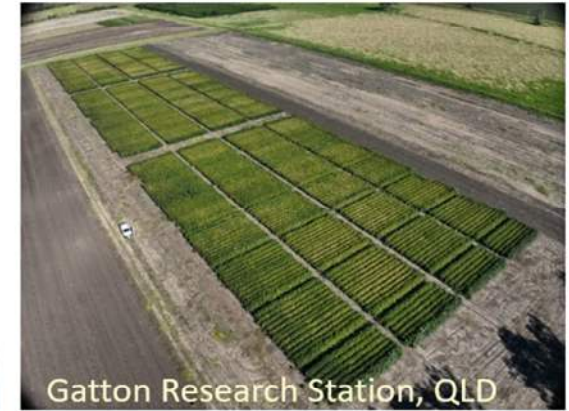
Split-plot design (3 or 6 reps) – 144 plots

Whole-plot (Crop yield potential)	Sub-plot (N rate)	
1. Standard-pix / Upfront N	0	200
2. Extra-pix / Upfront N	50	250
3. Shading / Upfront N	100	300
4. Standard-pix / Split N	150	350
5. Extra-pix / Split N	kg/ha N	
<b>Upfront N : 1-month before planting</b>		
<b>Split N : ½ upfront   ½ top-dressed (flowering)</b>		
<b>N source : Urea + urease inhibitor NBPT</b>		



**Pix (Mepiquat chloride)**

- Inhibits gibberellin production
- ↓ vegetative growth



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