# 2016 Cotton Flow Meeting 

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## Changes in Planted Acreage Over Time



- Total acreage has been on slight increasing trend
- Irrigated acres are declining
- Dryland acres are increasing


## Changes in Harvested Acreage Over Time



- Dryland acreage has been holding essentially steady
- Irrigated acreage is declining


## Changes in Yield Over Time



## Trend Production



- Forecasting out irrigated and dryland acreage and yield, we see a slight upward trend in expected production over time
- Does not take account impacts of future declines in water except what is already included in irrigated acreage trends
- Assumes trend yields will continue, which is not likely unless new technology is developed
- Very little development in dryland yield technology to date


## Gin Trends-U.S.



## Gin Trends-Texas and Hockley County



## Bales Per Gin



- Bales per gin is increasing at an average 1,445 per year.
- Based on the forecasted production from earlier, this means that Hockley county will likely shrink to 4-5 gins in the coming years.


## Changing Marketing?

- With fewer gins (points of collection), what role will the merchant play in the future?



## MARKET DESIGN

The PanXchange trading platform is a patented software as a service (SaaS) product that revolutionizes the way commodity traders locate and execute trades.
The platform is designed to provide a market structure solution that is scalable across all physical commodity markets. Never before have traders had a servic
that allows them to enter orders into an active marketplace, where a service is constantly searching for matches, 24 hours a day. We're excited about what this
platform means for traders, trade houses, and the market as a whole.

## Think your business model can't change?



## A new paradigm?



Can electronic trading in physical commodities by-pass the merchant? The warehouse? Consider that United Cotton Growers in Hockley County produces 120-150,000 bales per year alone. Why do they need you (merchants)?

## New Opportunities

- Obviously, with change comes new opportunities
- Participation in new trading opportunities offers you the ability to lower transactions costs
- Fewer collection points means marketing can be more creative and specialized (already happening to some extent, but potential to grow longterm relationships with specific end users with specialized pools)
- Lower costs for things like identity preservation/traceability


## Conclusions

- Declining water is leading to a fundamental shift away from irrigated cotton to dryland cotton production systems
- Limited development in dryland technologies to limit downside risks
- So far, though, yield increases have offset acreage declines leading to growing production
- Economies of scale are leading to further structural shifts in cotton ginning
- Leading to larger and larger, but fewer gins
- Fewer collection points for cotton in the future


## Conclusions

- New trading platforms in physical commodities could influence has cotton is traded, stored, and shipped in the future
- Like to challenge especially the merchant sector to creatively fit within a new framework
- Consolidation and on-line trading opens up opportunities for lowering transactions costs and costs of identity preservation
- Overall, changes have increased in speed...expect change to get even faster

