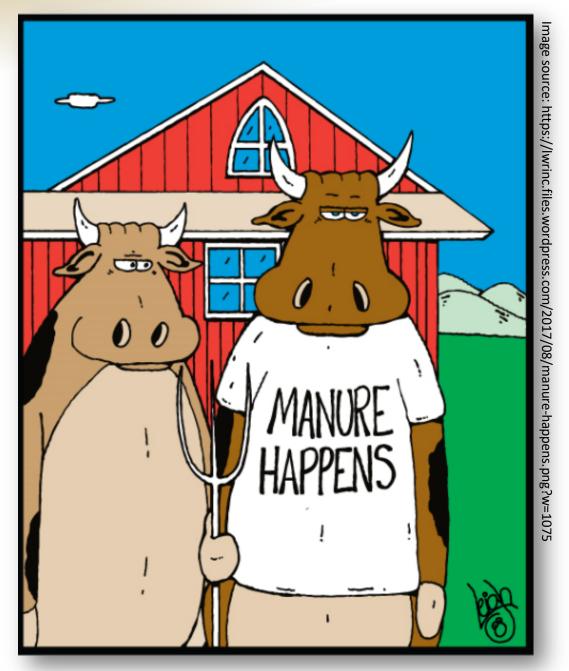


2019 Growing Season for Corn in Indiana

Dr. R.L. Nielsen
Extension Corn Specialist,
Dept. of Agronomy
Purdue University





2019: Many near-record achievements

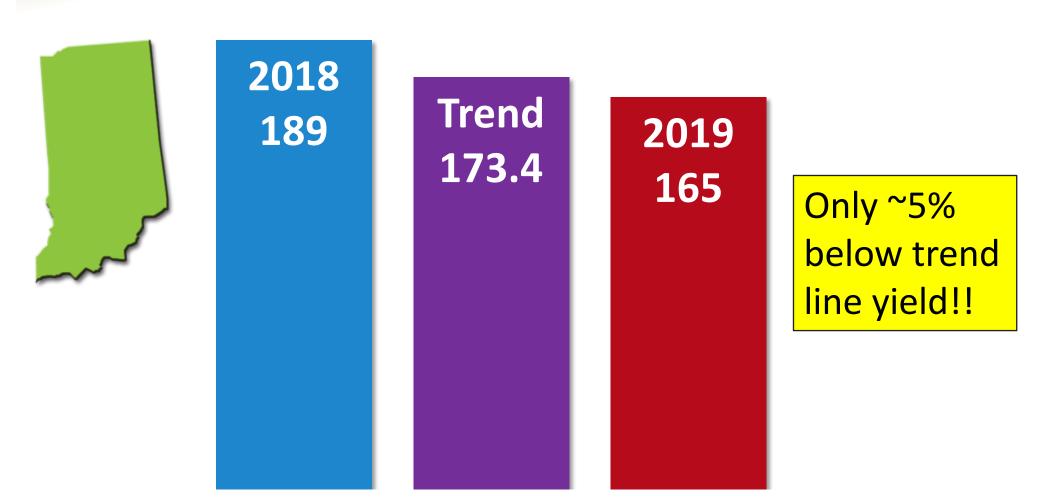
- Planting progress statewide was among the 3 latest in past 40 years
 - Nearly 710,000 acres not planted
- Silking and grain maturity were among 3 latest in 40 years
- Grain harvest 5th latest in 40 years
- Season-long crop condition ratings were 4th worst in 34 years







Statewide 2019 grain yield estimate was amazingly good!



Data derived from USDA-NASS, 2019 est. current as of Nov 2019





Lessons learned (mostly re-learned) in 2019...

- Late planting, by itself, does NOT guarantee disastrously low yields
- Modern hybrids are remarkably resilient to a wide variety of crop stresses
- Soil compaction, resulting from tillage and planting in wet soils, is a "gift" that keeps on giving all season long
- Rainfall during grain fill is still important
- Corn that matures in mid-to late October takes forever and a day to dry down



Our greatest agronomic challenge...



...is figuring out how to stress-proof our crops against "normal" weather.





"Normal" weather today...

...can be defined as an unpredictable number of unpredictable extreme weather events, each occurring unpredictable bly, with unpredictable severity.



Greater climate variability
= Higher frequency of
extreme weather events

Strategies for stress-proofing your crop...



- More resilient crop genetics
- Sound agronomic decision-making
- Identification & mitigation of field-specific
 Yield Limiting Factors (YLFs)

