State-wide and Beltwide Cotton Issues

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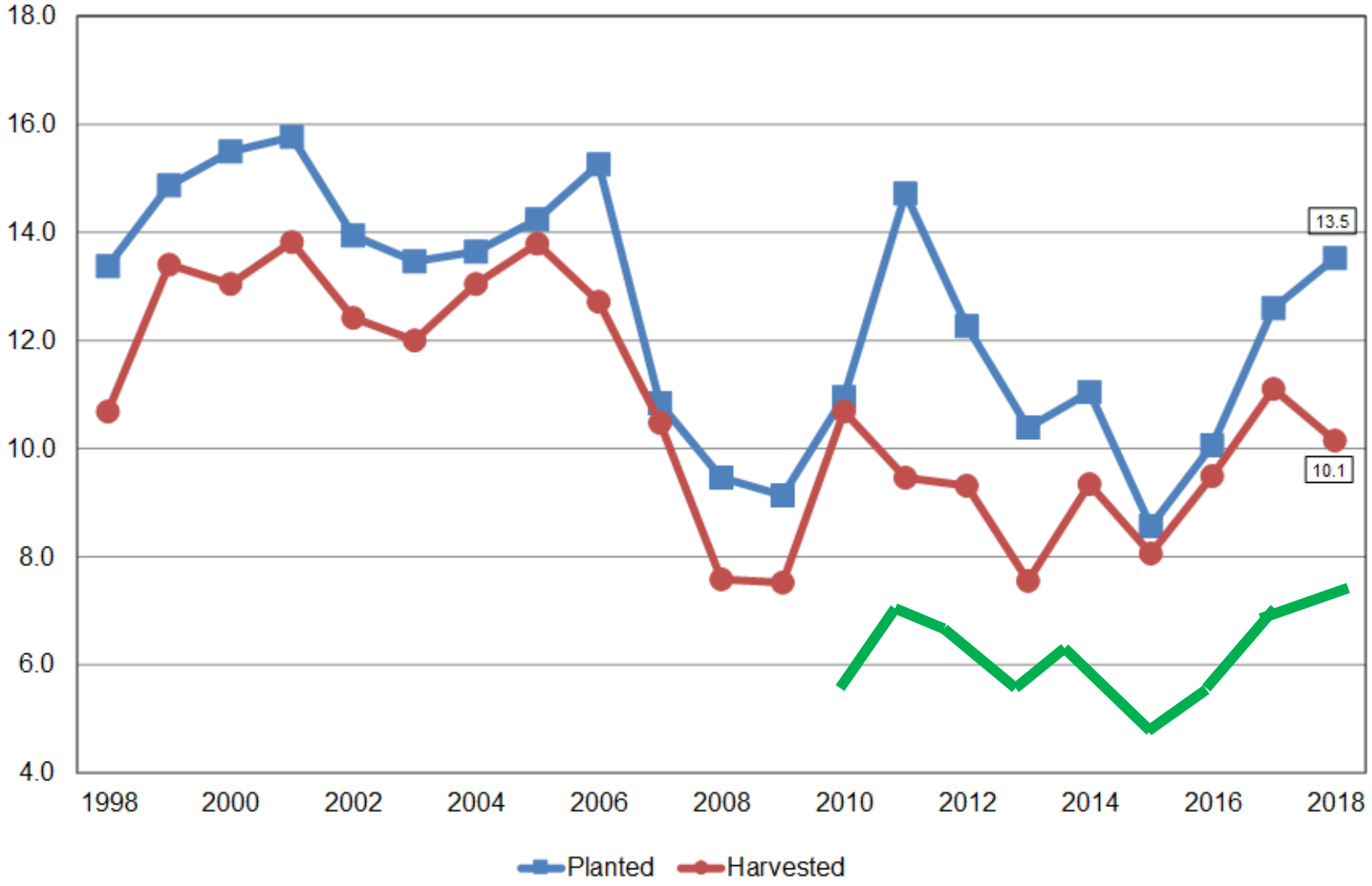
Texas A&M AgriLife Extension

All Cotton Acres

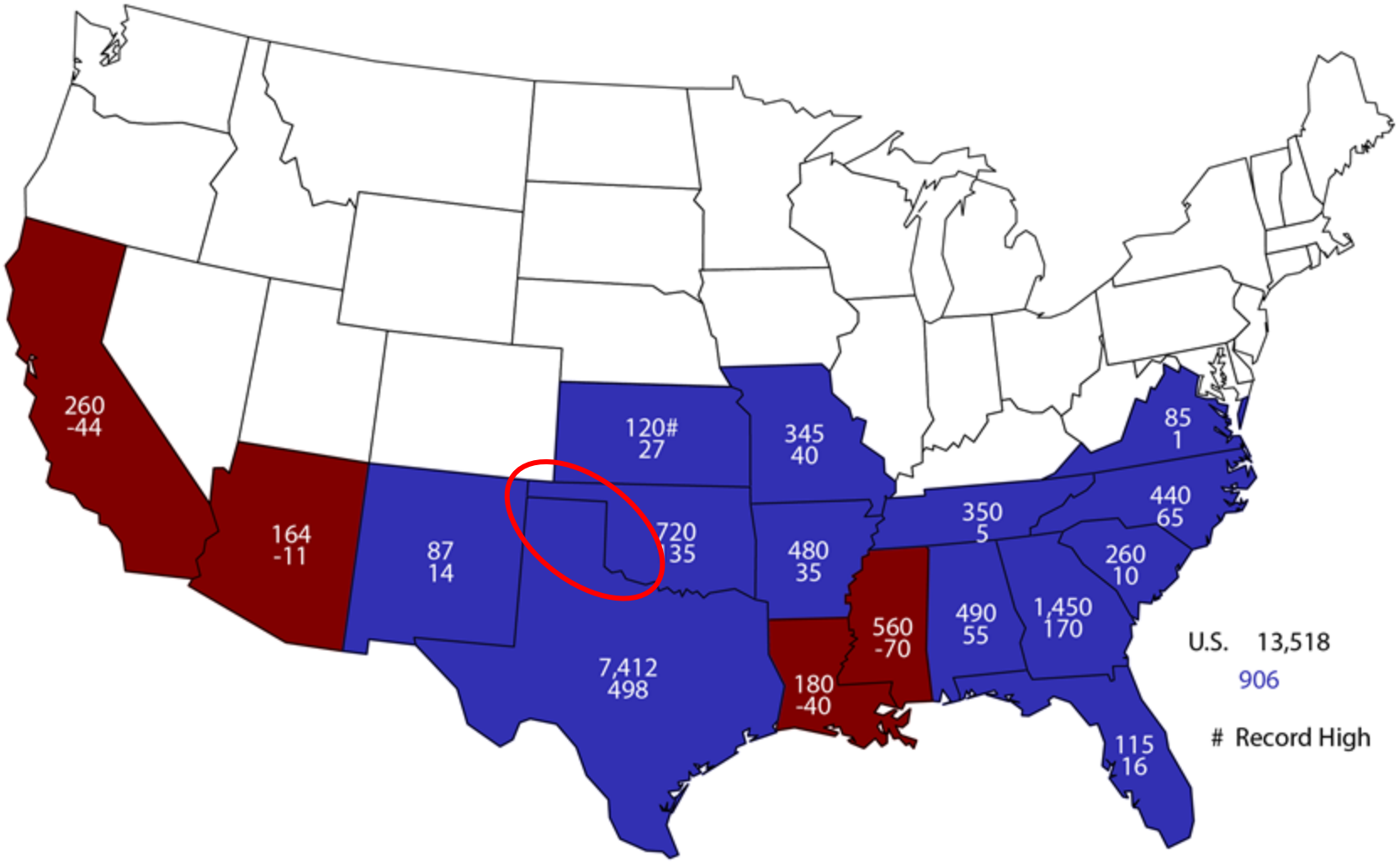
United States



USDA-NASS
8-10-18

2018 All Cotton Planted Area

Acres (000) and Change From Previous Year

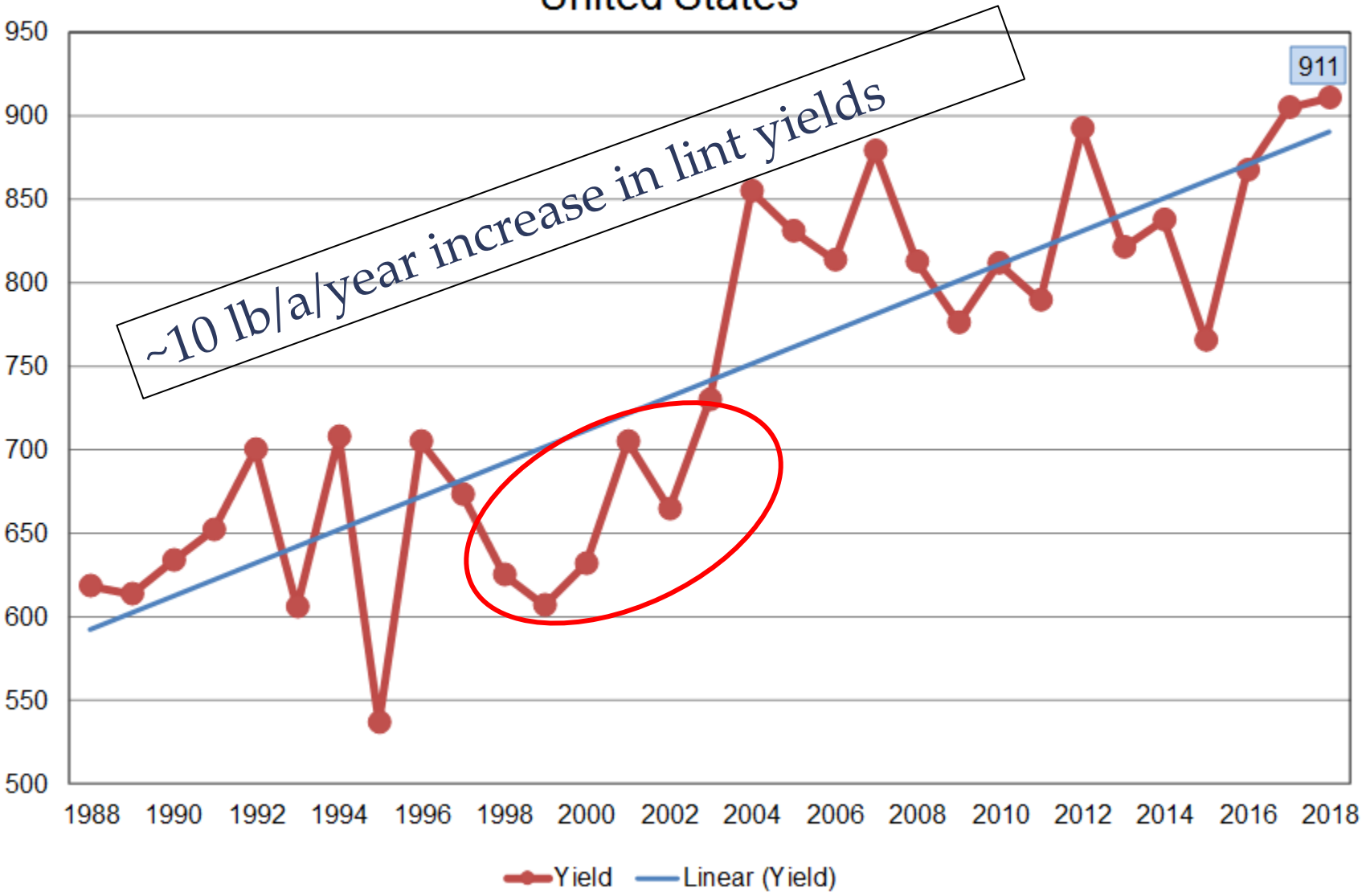


USDA-NASS
6-29-18

South, East, and Rolling Plains Crop Status

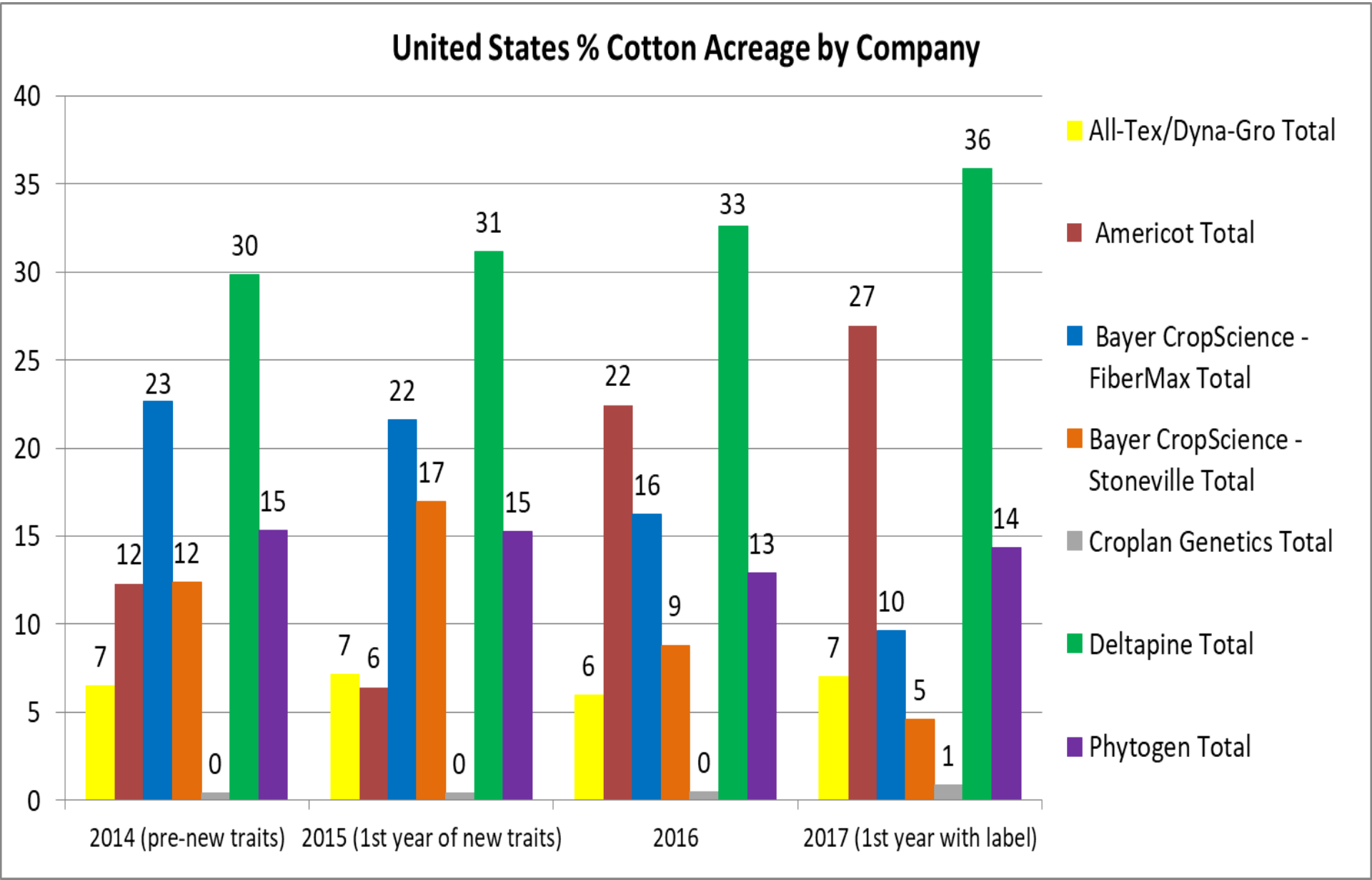
Texas A&M AgriLife Extension

All Cotton Yield
United States

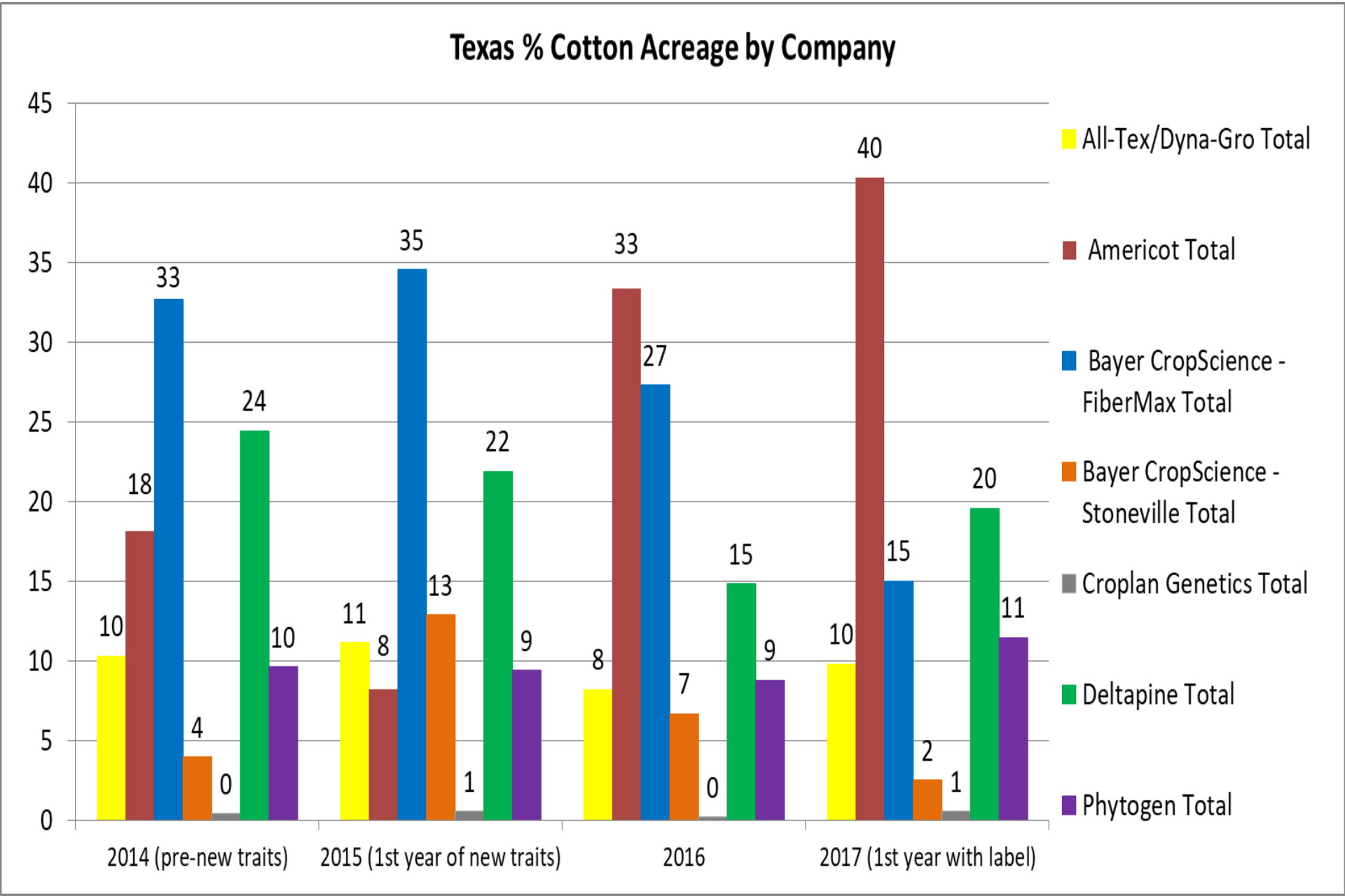


USDA-NASS
8-10-18

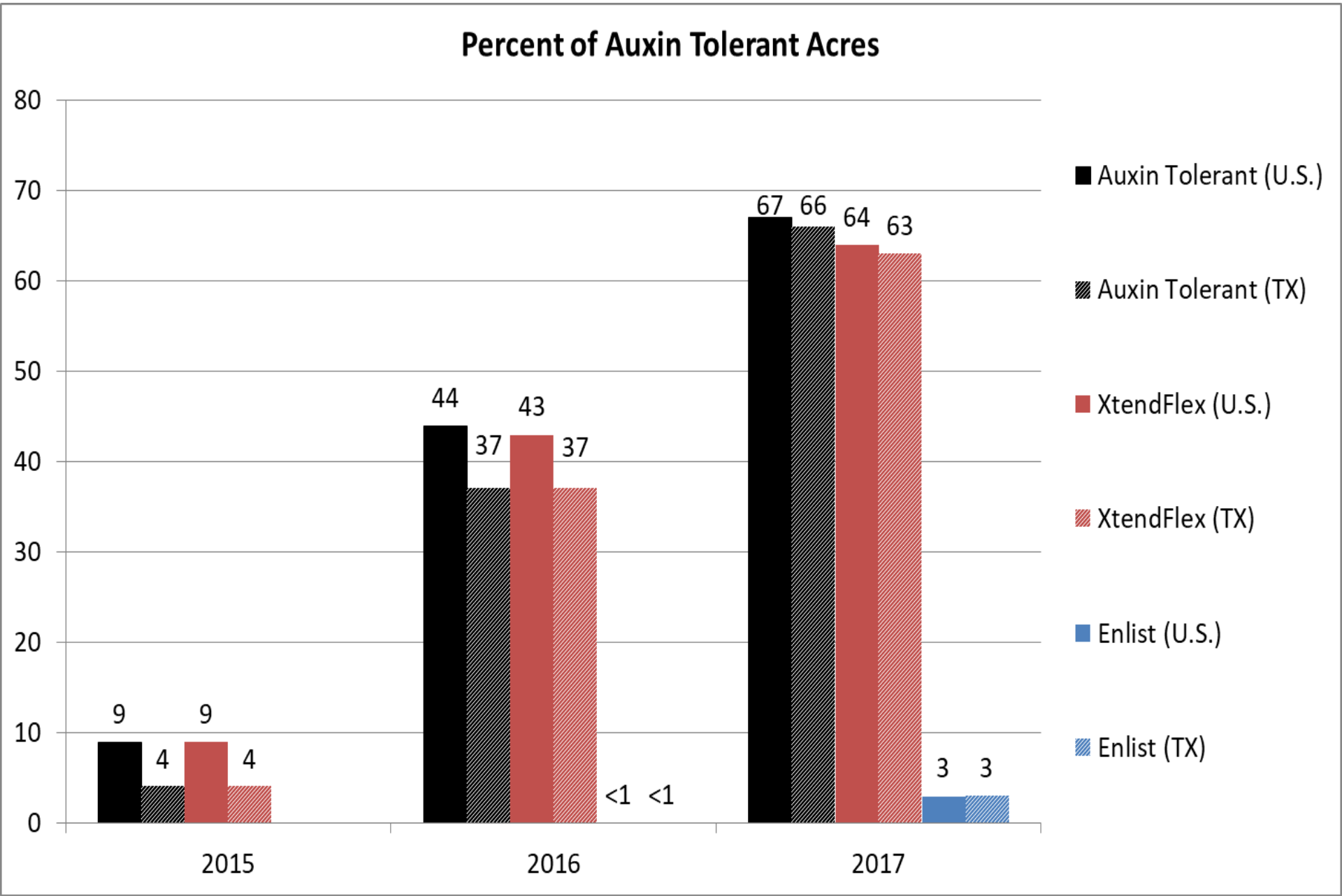
Adoption of Variety and Traits in U.S.



Adoption of Variety - Texas



Adoption of Auxin Traits



Off-target Movement of Auxin Herbicides

Duplosan (dichlorprop)

- Targeted for chemical stalk destruction in South and East Texas
- Volunteer cotton of Enlist and/or XtendFlex?????

- State-limited use herbicide
- Current formulation = Ester formulation

Cotton Yield, Quality, and Plant Growth Response to Soil-Applied Potassium

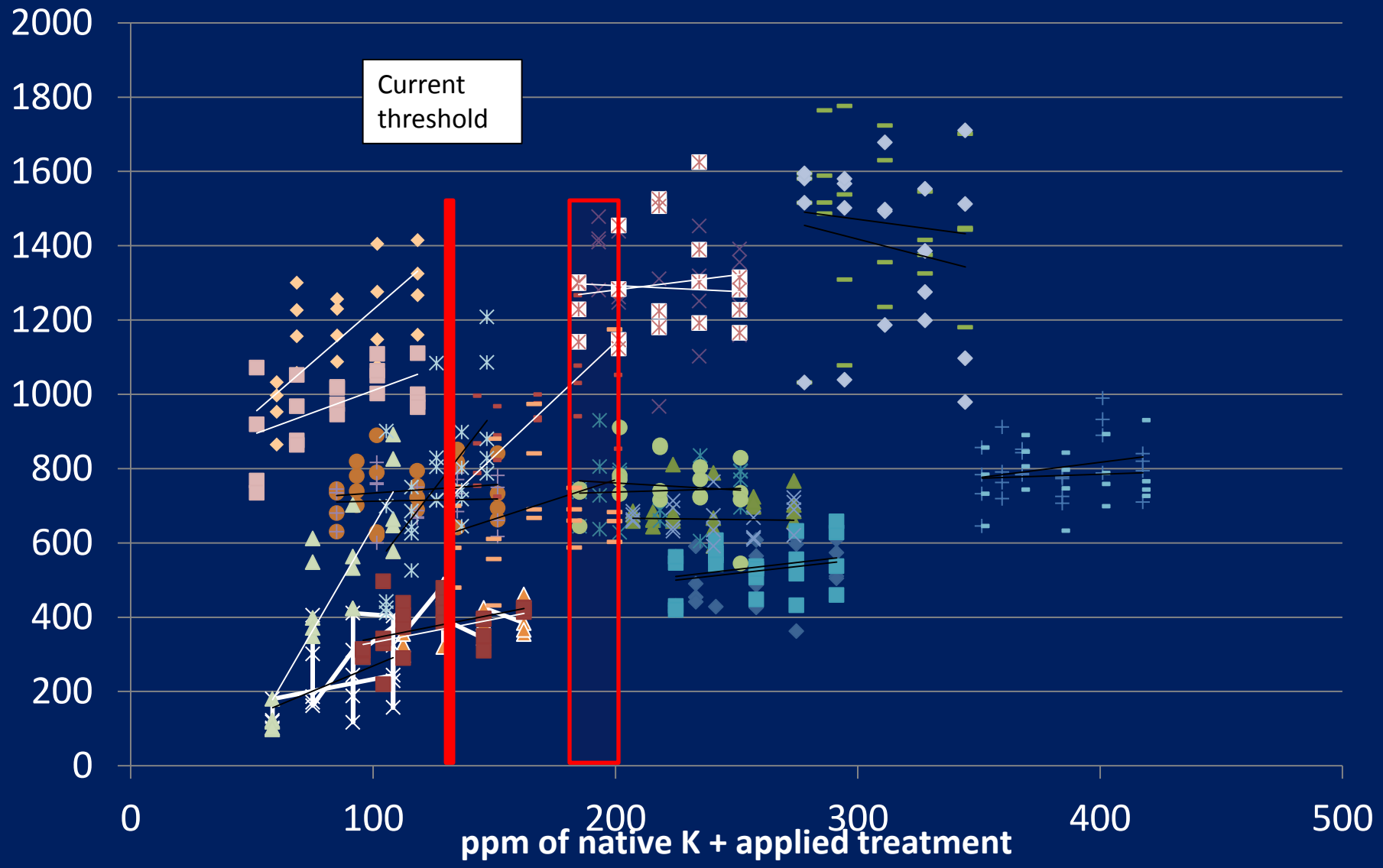
G.D. Morgan, K. Lewis, R. Boman D. Delaney, D. Dodds, K. Edmisten, H. Frame, D. Fromme, A. Jones, M. Jones, K. Lewis, R. Norton, T. Raper, B. Robertson, and R. Nichols

An Extension Cotton Specialist Project


07/12/2012

Lint yield

2012-2015: Williamson, Wharton, and Hill Counties



Diseases/Nematodes Potentially Impacting Texas Cotton

Univ. of Florida

Reniform nematodes
- monoculture
- Prevent soil movement

Tom Allen, Mississippi State University

By Jane Ray (NAQS), Cherie Gambley (DAFFQ), Murray Sharman (DAFFQ) & Susan Maas (CRDC)

Insects Potentially Impacting Texas Cotton

- Old World Bollworm
- Boll weevil

- Contact
  - Suhas Vyavhare – Extension Entomologist at Lubbock
  - David Kerns – Extension Entomologist at College Station
  - IPM agents

CONTAMINATION FROM PLASTICS

- Plastics are a major concern
- Most prevalent contaminant; many types and forms

- U.S. exports about 85% of our cotton

National Cotton Council OF AMERICA

Plastic by Region for 2017 Crop

Southeast	360
Florence	65
Macon	295
	14%

Mid-South	514
Dumas	196
Memphis	283
Rayville	35
	20%

Southwest	1,676
Abilene	117
Corpus	432
Lamesa	46
Lubbock	1,041
	64%

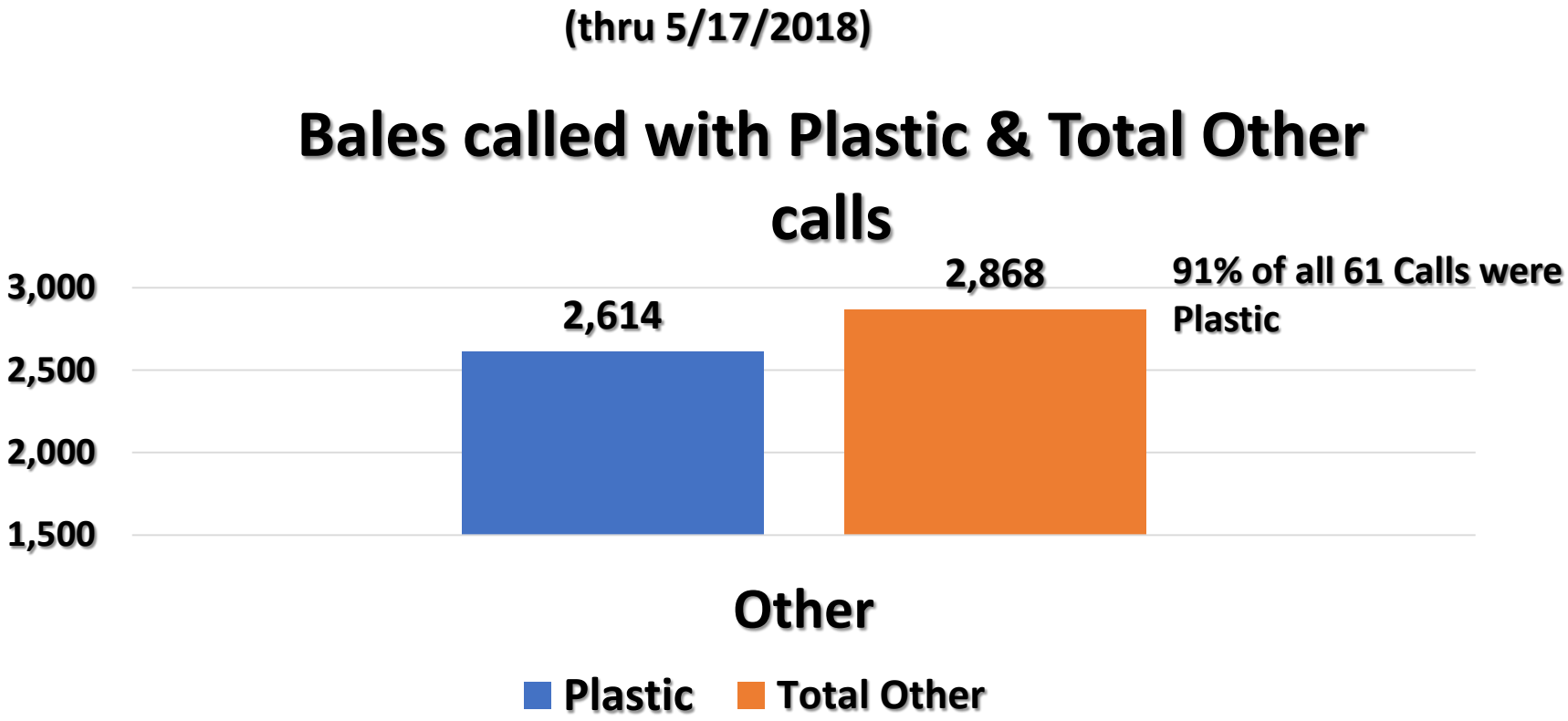
Far West	64
Upland	35
Pima	29
	2%

Total US	2,614	
Upland	2,585	98.9%
Pima	29	1.1%

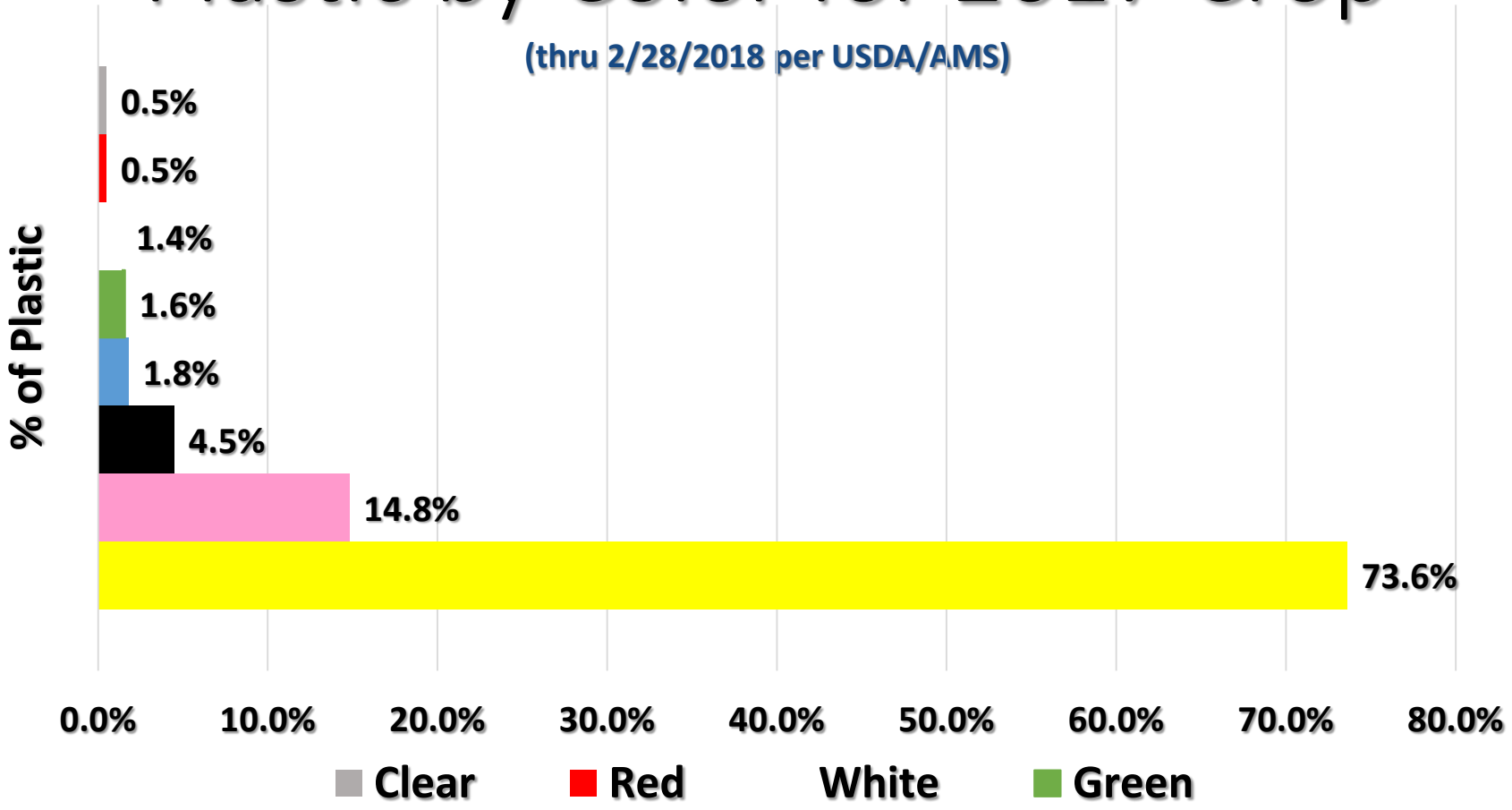
USDA/AMS thru 5/17/2018

National Cotton Council OF AMERICA

Plastic vs Other for 2017 Crop



Plastic by Color for 2017 Crop

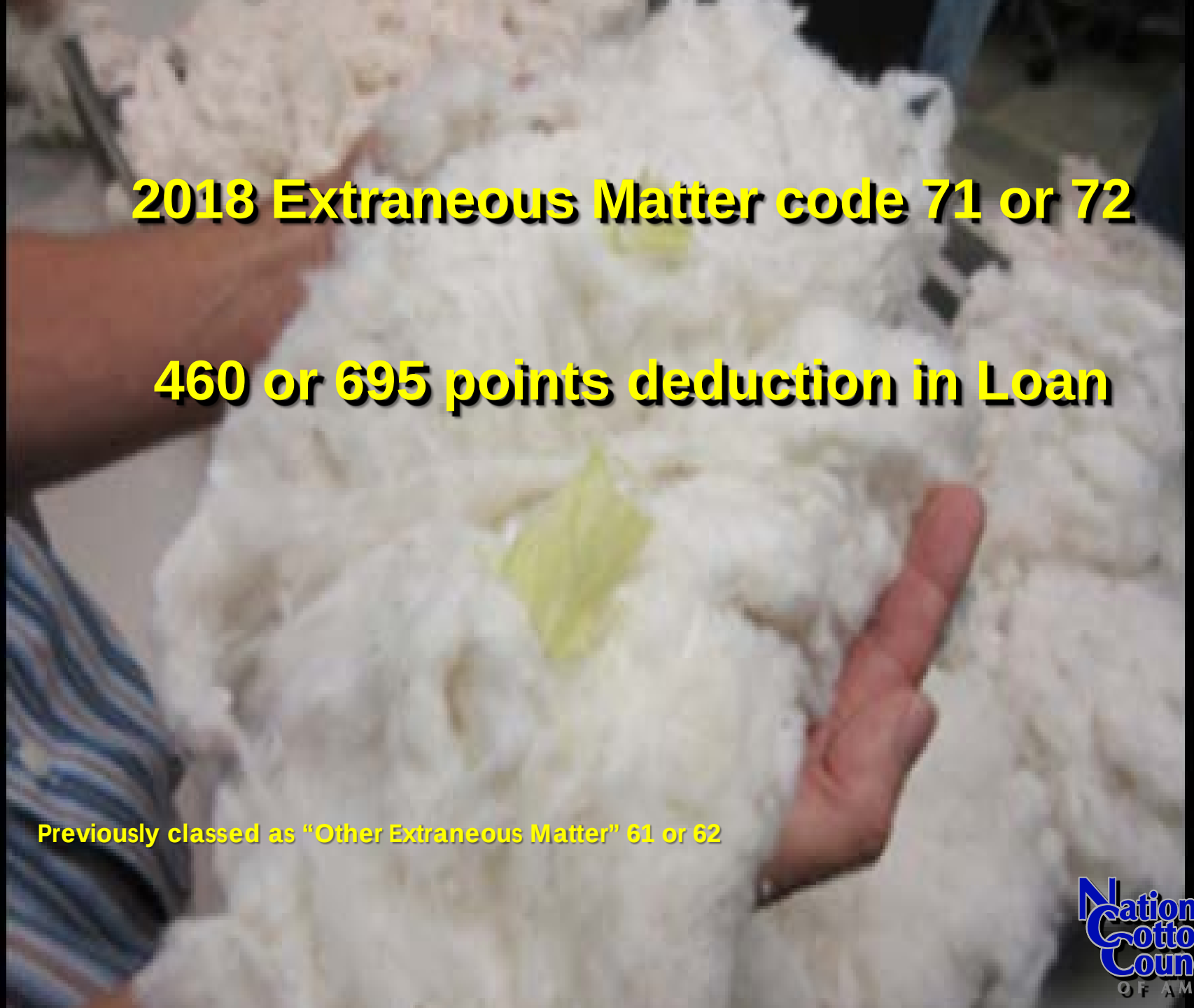


National Cotton Council OF AMERICA

Pakistan Mill 7/1/18

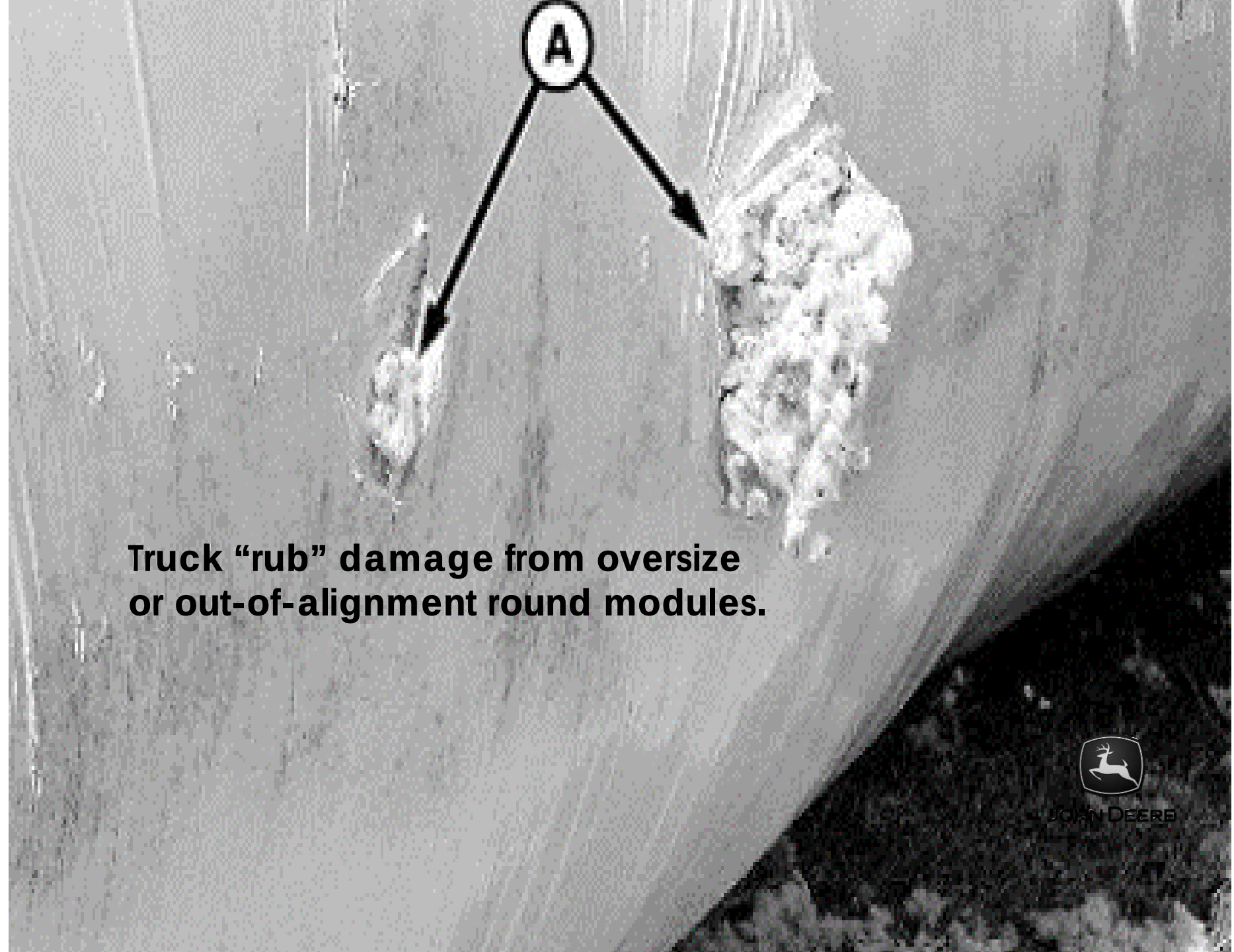
Vietnamese Mill 7/24/18

National Cotton Council OF AMERICA


2018 Extraneous Matter code 71 or 72
460 or 695 points deduction in Loan
Previously classed as “Other Extraneous Matter” 61 or 62

Prevention Begins in the Field

National Cotton Council OF AMERICA



Truck “rub” damage from oversize or out-of-alignment round modules.

Round Module Staging

JOHN DEERE

Choosing The Proper Staging Site

IMPORTANT: Do not stage or drop modules on cut or chopped stalks.

Modules should be staged on a high, flat, well drained surface. Staging on flat driveways, turn rows or disked surface is optimal.

If at all possible do not stage modules on top of rows, beds or field locations where module truck access is difficult. Modules tend to take the shape of the surface they are placed on (see Incorrect Staging Surface graphic). Setting on beds or uneven surfaces causes module truck chains to dig into the ground to get under the bottom of module.

When choosing staging locations, make sure modules can be retrieved from the location following rain events.

If module truck tires and/or tracks slip when retrieving the load, damage may occur to the underside of the module.

Incorrect Staging Surface

This kind of damage is result of pickup chain engaging the module bottom and moving the module forward at a speed that is faster than the backward speed of the module truck.

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Continued on next page

Examples of Plastic Contamination in Gin

Yellow Plastic Between Modules

Examples of Plastic Contamination in Gin

Yellow Plastic Removal At Module Feeder

http://www.cotton.org/tech/quality/cont-free-cotton-video.cfm

Lint Contamination Costs YOU Money

- $200 Million Problem
- Broken Contracts
- Loss of Business
- Loss of Confidence

National Cotton Council OF AMERICA

Contamination Prevention Education

Module Handling Video

Posters, brochures, direct mail
(www.cotton.org/tech/quality/contamfree.cfm)

- Prevent Lint Contamination brochure
- Round module wrap removal (video and poster)
- Contamination-Free Cotton mailings to all gins, warehouses, NCC Official Family
- "Contamination Prevention Alert – Striving for Zero Tolerance," etc.

Contamination Research
Detection and Removal

- **Researchers (USDA/ARS and University) in full cooperation**
- **All 3 USDA Ginning Labs plus New Orleans Labs involved**
- **Optical detection via various camera technologies**
- **Evaluating existing gin machines for better extraction**

Cotton Accomplishments

Farm gate value exceeding $3 billion for lint and $400 million for seed in Texas in 2017.

Total economic value to Texas' economy of 4X the farm gate value.

Annual yields have increased an average of 10 lb/a/year.

Pesticide use has decreased 40% since the 1960s.

Texas A&M AgriLife Extension and Research success stories result in an estimated economic value of over $230 million annually

TEXAS A&M AGRILIFE EXTENSION

Dr. Murilo Maeda

New Extension Cotton Agronomist at Lubbock

-long family history with cotton
- well trained in Cotton Physiology
- in-depth UAV experience
- Starts October 1st

TEXAS A&M AGRILIFE EXTENSION

Cotton.tamu.edu

Texas Row Crops Newsletter

https://agrilife.org/texasrowcrops/

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TEXAS A&M AGRILIFE EXTENSION