40th Annual Wheat Crop Report

Please use the Q&A box for questions!

May 5, 2020
Webinar

2020 Crop Report Cooperators

OSU EXTENSION

Oklahoma Grain & Feed Association

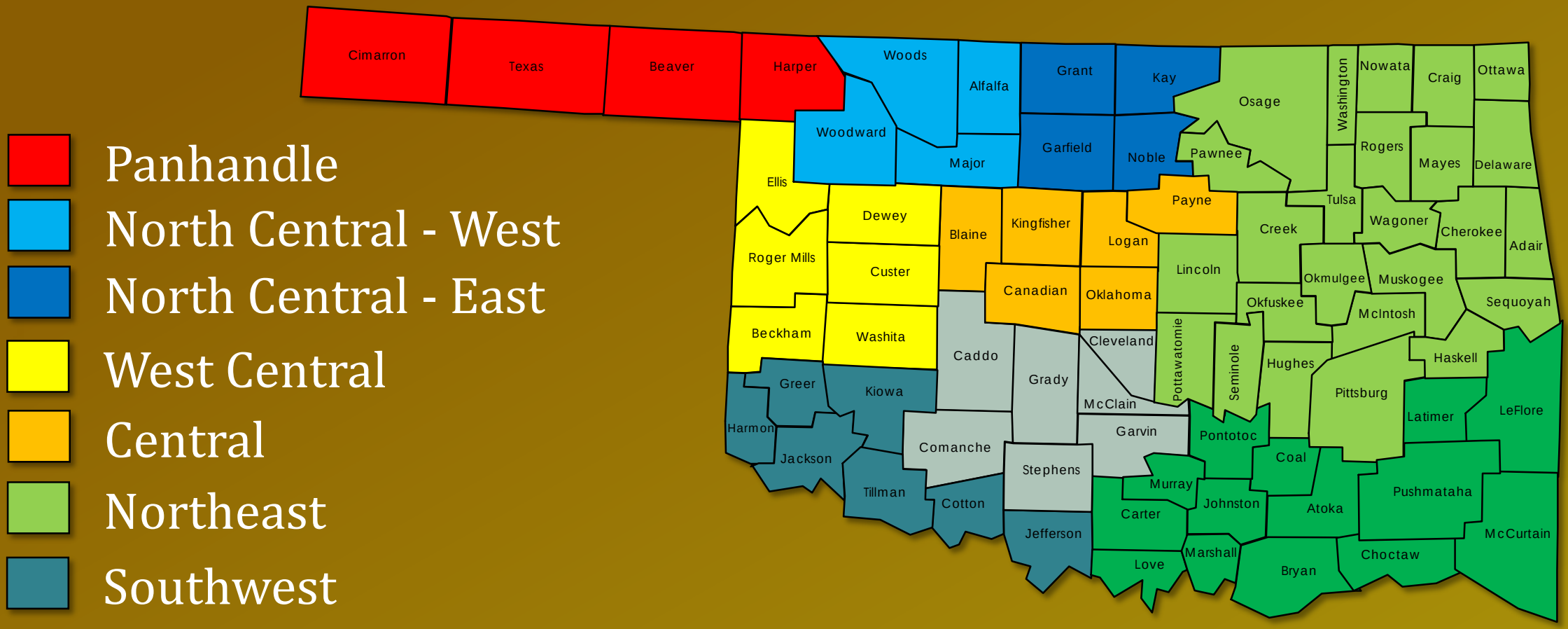
Oklahoma Wheat Commission
CELEBRATING 50 YEARS!

Oklahoma Wheat Growers Assn

General Overview

- Slow-wheat growth in the fall
- Mid-April spring-freeze
- Drought
- Diseases

Oklahoma Wheat Tour Regions



- Panhandle
- North Central - West
- North Central - East
- West Central
- Central
- Northeast
- Southwest
- South Central
- Southeast

2020 Crop Report Contributors

Southeast: **Brian Freking**, OSU

Panhandle: **Darrell McBee,** OSU

North Central – West: **Greg Highfill**, OSU

North Central – East: **Jeff Mitchell**, Farmers Grain Company

West Central: **Ron Wright**, OSU

Central: **Grant Mason**, Wheeler Brothers Grain Co.

Northeast: **Payton Hays**, Consolidated Grain and Barge

Southwest: **Gary Strickland**, OSU

South Central: **Heath Sanders**, CHS

Southeast Region

$7.45/bu	2012 Census Wheat Acres Harvested	23,308
$3.98/bu	2017 Census Wheat Acres Harvested	9,126
$4.43/bu	2020 Estimate @Davis 4/29	4,350

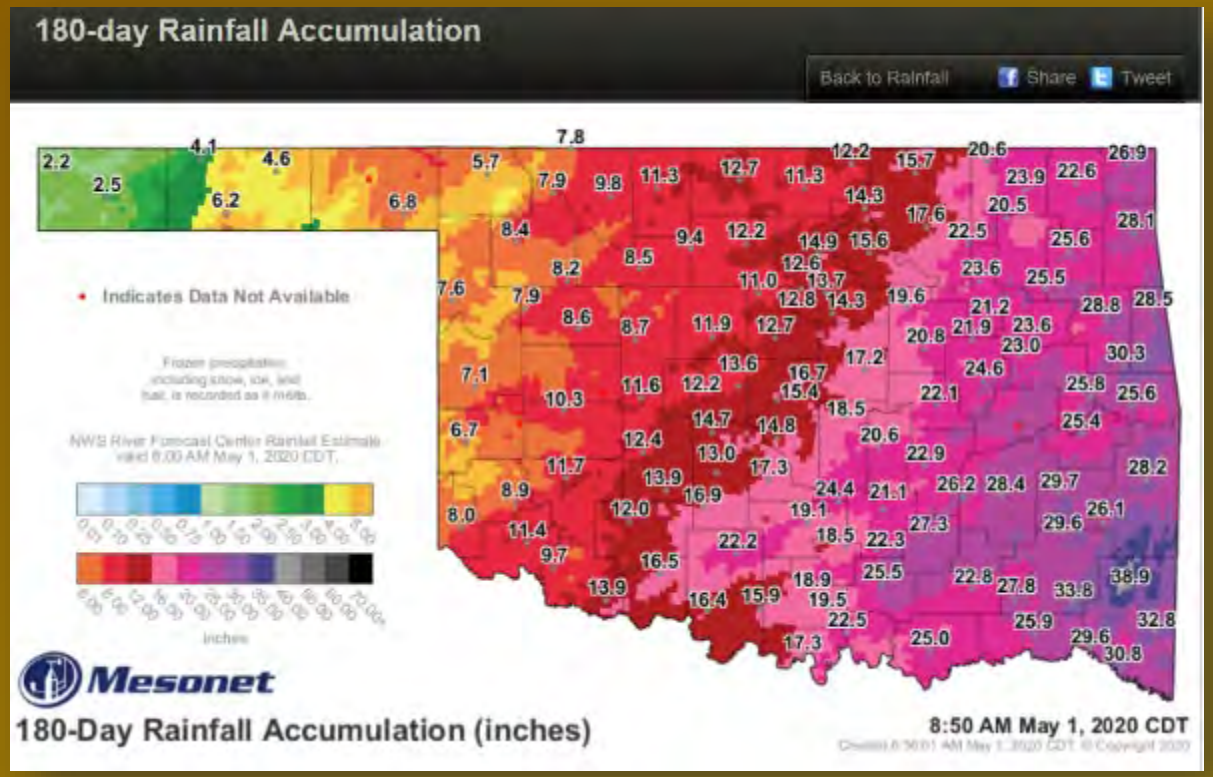
Brian Freking
OCES SE Area
Livestock Specialist
Ada, OK

2012 to 2017 ↓ 60.8%

2020 ↓ 70+%

Southeast Overview

- Wet Weather was again a significant factor this year.
  - Too Wet for planting and staying wet most of year
  - Price Outlook not very Favorable
  - More heavily utilized for grazing and hay



Fertilized Early - 5/23/2019

Atoka County

180 day Rainfall
Nov –May 1
22.8”

Gallagher

3/5/2020
Wheat
3350 lb/a

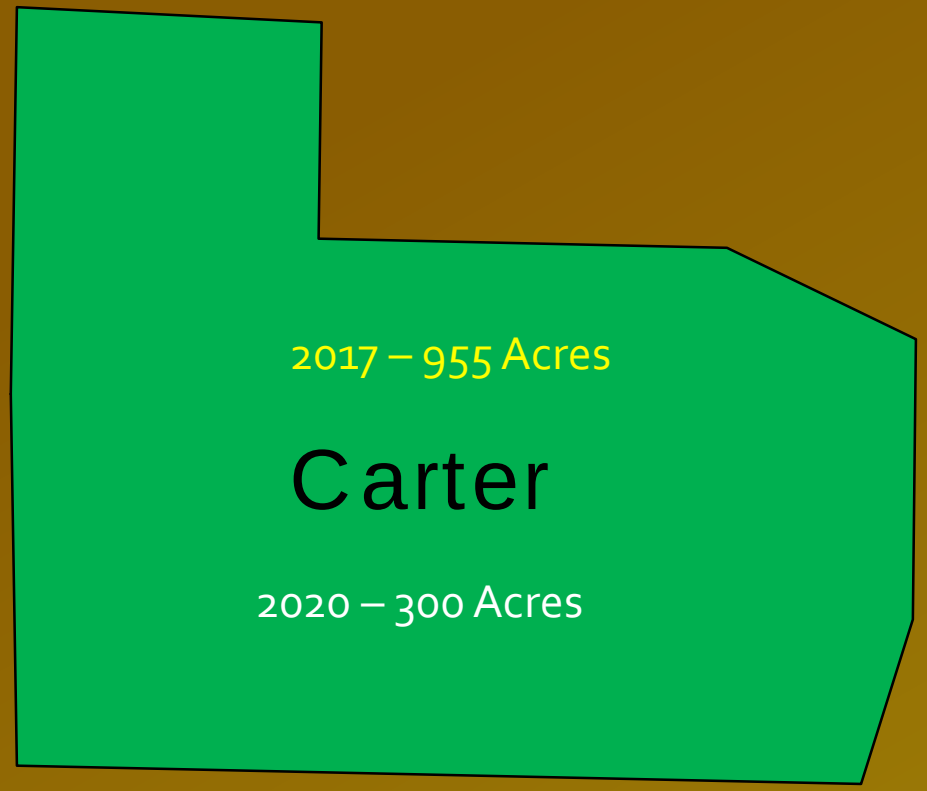
Wheat

Photos from: Brian Freking

LeFlore County – 180 day Rainfall 28.2”

- Hard red producing county mostly Grazing

Carter County



Slight Freeze Damage

Comments from: Leland McDaniel, OSU Extension Educator.

McCurtain County

- Soft red producing county- Red River
  - 2000 acres reported planted – grain only acres
  - Plenty of moisture at planting.
- Growers plan to graze out

Comments from: Brad Bain OSU Extension and Jerry Robinson, McCurtain Co. USDA-FSA

General Comment Summary

- Majority of wheat is being utilized for grazing
- Little bit of late start on seeding conditions – too wet to get early planting done.
- Harvest conditions don't look too promising as well with all the moisture.

Final Comments

- Overall – southeast crop looks decent considering planting conditions.
- Mostly Thankful to Play in the mud Again?

Southeast Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Bryan	2600	35	0.091
Carter	300	35	0.011
Choctaw	300	40	0.012
Johnston	500	34	0.017
LeFlore	250	35	0.008
Love	200	30	0.006
Marshall	200	35	0.007
McCurtain	~~1800~~	~~50~~	~~0.09~~
Total	**4350**	**35**	**0.152**

Panhandle Region

Darrell McBee

Extension Educator,
Harper County

Buffalo, OK

48 bu potential

11.5 bu potential

5.5 bu potential

Iba Keyes Test Plot Bentley

Balko Test Plot

Buffalo Test Plot

Iba Flag Leaves

Final Comments

- Tale of Two Cities

  Harper/Beaver – good potential, but needing moisture

  Texas/Cimarron – bleak at best

Panhandle Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Beaver	98,000	28	2.744
Cimarron	82,000	16	1.312
Harper	93,000	26	2.418
Texas	138,000	19	2.622
Total	**411,000**	**22.1**	**9.096**

North Central – West Region

Greg Highfill

Extension Educator,
Woods County

Alva, OK

2020 Annual Wheat Crop Report

Tour Notes

- Overall – Excellent Condition
  - Flag leaf clean, good tillering
- Some areas could use a rain
- Large variation in fall forage production is creating variation in rate of maturity

OSU Wheat Plot Cherokee, OK

Drought

- Poor wheat following cotton

Minor/scattered disease & freeze issues

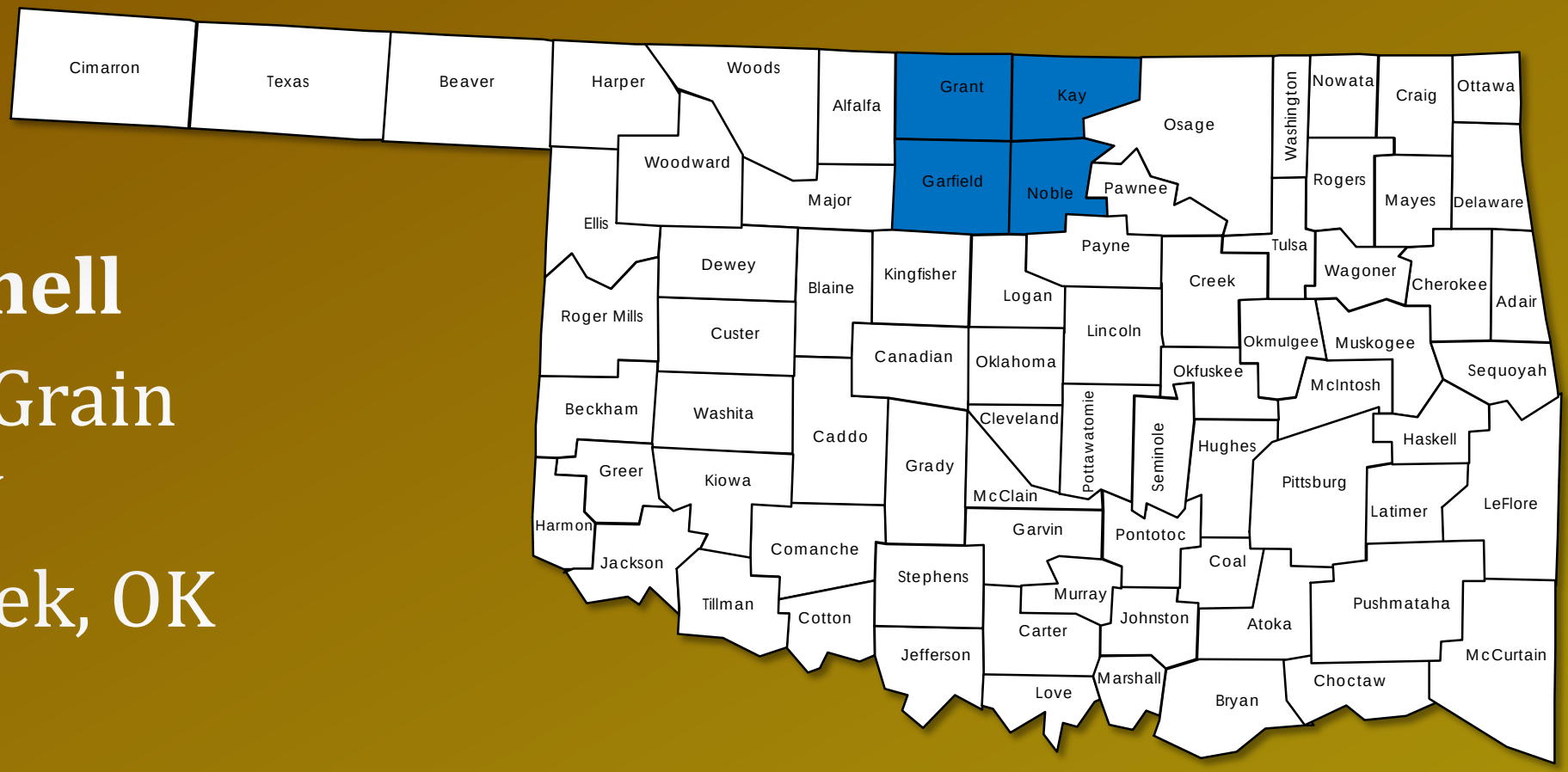
Production estimates

- Yield
  - Very Good Potential
- Harvested Acres
  - Highly Variable, still changing
  - Graze-out – *cattle market plummet*
  - Cut for Hay – *rye, hay supplies*
  - Other termination – *row crop*

North Central – West Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Alfalfa	225,000	45.0	10.125
Woods	125,000	43.0	5.375
Major	92,000	39.0	3.588
Woodward	31,000	32.0	0.992
Total	**473,000**	**42.5**	**20.080**

North Central – East Region



Jeff Mitchell

Farmers Grain Company

Pond Creek, OK

General Comments

- MORE LAID OUT GROUND IN GRANT, KAY COUNTY THEN NORMAL
- A LOT OF LATE PLANTED WHEAT IN GRANT AND KAY COUNTY DID NOT TILLER OUT WELL
- VERY MINUMUIM FREEZE DAMAGE AND DISEASE MOST WHEAT WAS TREATED WITH FUNGICIDE

PROBLEMS


SMUT


FREEZE DAMAGE


LEAF RUST STARTING

Final Comments

- NOT A LOT OF SECONDARY TILLERS
- NEED SOME MOISTURE PRETTY QUICK
- OVERALL AVERAGE WHEAT CROP
- HARVEST DATE ESTIMATE JUNE 5th

North Central – East Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Garfield	230,000	38	8.74
Grant	198,000	36	7.12
Kay	100,000	33	3.30
Noble	78,000	33	2.57
Total	**606,000**	**35.9**	**21.73**

West Central Region

Ron Wright

Extension Educator,
Custer County

Arapaho, OK

General Comments

- This Years Crop has received Just Enough Rainfall Through the Winter to Keep it Going.
- The Crop has Started to Faulter in the Past few Weeks Due to the Lack of Moisture.
- Disease Pressure has Been Light
- Price has Continued to Cause a Lack of Interest in Wheat, but Acres Remained Level.

Final Comments

- Hopes for an Average or Above Harvest Fading Along With Soil Moisture.
- Two Counties had Freeze Damage, Plus Heavy Hail Damage that has Reduced Yield Prospects.

West Central Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Beckham	23,000	25	0.575
Custer	100,000	40	4.000
Dewey	125,000	30	3.750
Ellis	49,000	55	2.695
Roger Mills	20,500	30	0.615
Washita	35,000	32	1.120
Total	**352,500**	**36.2**	**12.755**

Central Region

Grant Mason

Wheeler Brothers Grain Co.

Kingfisher, OK

General Comments

- Feral Rye is bad in many areas, but seems to be better than last year
- Still are seeing many ryegrass problems, mostly in the eastern part of the region
- Ground is getting very hard. Need some rain

General Comments

- Fungicide-Insecticide run finished up last week. Aphids were especially bad this year.
- Smut seemed to be more prevalent this year throughout the whole region.

Central Region Wheat Varieties

- Gallagher 19.6%
- Smith's Gold 11.7%
- Doublestop CL+ 4.2%
- SY Monument 5.1%
- WB 4515 4.2%

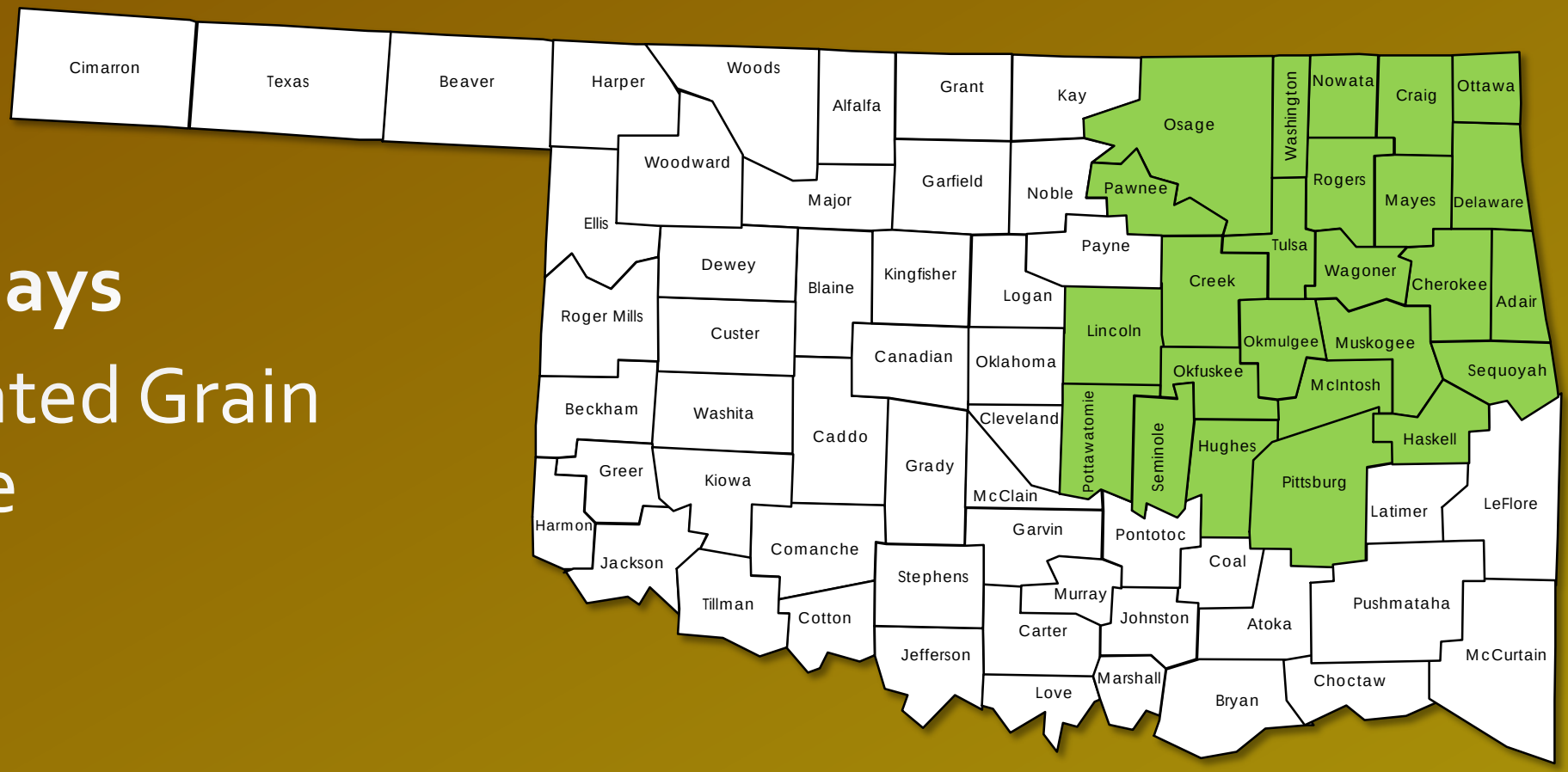
Final Comments

- Overall, we can expect to have another good wheat crop this year.
- The late freeze didn't have near the impact in this region that it could have.
- Hopefully we will see some moisture to get us to harvest.
- Oh, and saw NO Jack Rabbits or Quail!

Central Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Blaine	120,250	39	4.689
Canadian	120,000	42	5.040
Kingfisher	160,000	37	5.920
Logan	42,500	38	1.615
Oklahoma	5,900	34	0.201
Payne	4,000	33	0.132
Total	**452,650**	**38.9**	**17.597**

Northeast Region



Payton Hays

Consolidated Grain and Barge

Tulsa, OK

Challenges

- Another wet planting season.
- Few late freezes.
- Strong storms producing some hail.
- Heavy rainfall this spring.

Condition

- Overall quality looks fair.
- Headed out over the past 10-14 days.
- No freeze damage.
- Little damage from recent storms (hail & large amounts of rain) How much rain will we get?
- Need warm weather to finish out the wheat.

Mayes County

Wagoner County

Okmulgee County

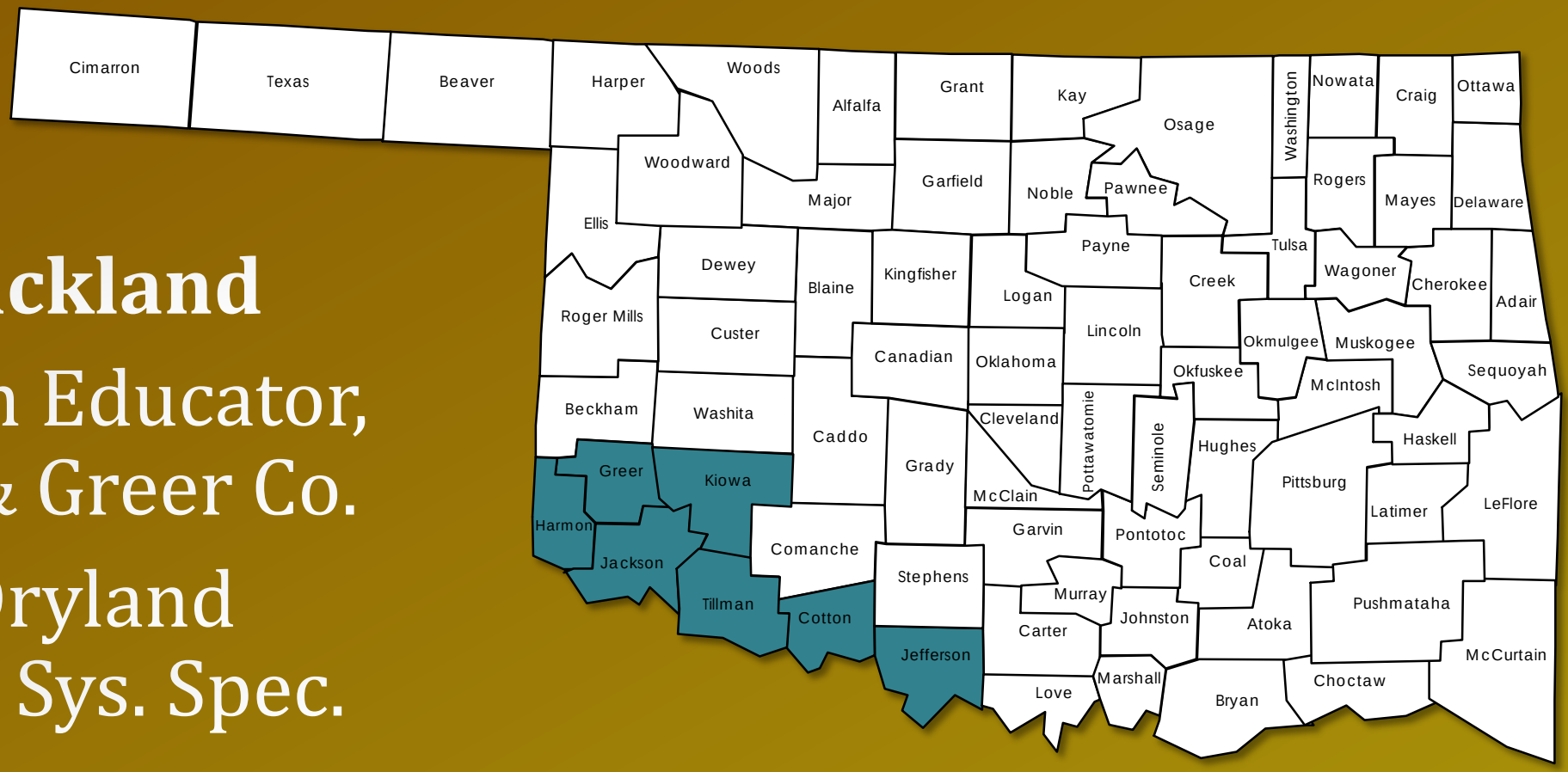
Harvest Outlook/Acres

- Looking to begin harvest June 10th-15th
- Harvested acres similar to last year.
- Yields looking favorable 45-50bu/ac.

Northeast Region Estimates

Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
40,000	45	1.8

Southwest Region - 2020



Gary Strickland

Extension Educator,
Jackson & Greer Co.

SWREC Dryland
Cropping Sys. Spec.

Altus, OK

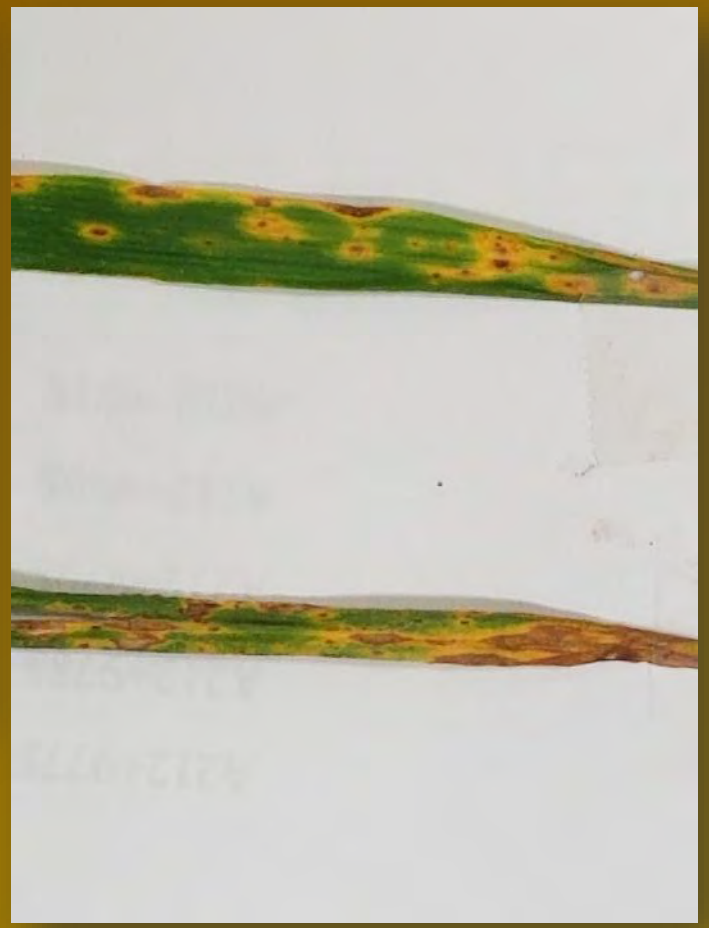
General Comments

- Early planted acres were established and resulted in late fall forage production in some of our southwest areas.
- The majority of wheat acres grew very slow during the early winter time. Good vegetative growth did not start until mid January to early February. However, most wheat developed good vegetative plant growth and height in a short amount of time. Wheat fields had outstanding yield potential through early April.
- Insect pressure, for the most part seemed light this year. Bird cherry oat aphids, greenbugs, and some mites were noted in just about all Southwest Counties.
- Disease pressure was relatively light thru the winter and early spring. However, in mid to late March, heavy pressure from tan spot, septoria leaf blotch, and stagonospora blotch was seen. These leaf spot diseases typically don't move up the plant but definitely did both last and this year. A late April infestation of stripe rust was also noted.
- The April freeze has significantly impacted most Southwest Wheat Acres. Fields that remained for grain production estimates have some level of freeze damage (5-80%) and in just about all counties hay and graze-out acres have gone up.

General Comments

- Grassy weed pressure was still significant this year. Rescuegrass seemed to be present in most counties, followed by cheat, downey, and japanese bromes. Wild oats were present at increased pressure this year as well. Italian ryegrass was noted in Cotton County, in a few fields.
- Broadleaf weed pressure came on late with moisture conditions. Lots of tansy mustard, pepperweed, bushy wallflower were present.
- Producers sprayed more frequently this year due to high yield potential existing in fields at that point.

Septoria



Tan Spot

Stripe Rust

Good Field, slight awn freeze damage

Freeze damaged fields – white awns with empty <u>green heads</u>

Hail damaged field

The Estimation Process

- *As always acre and yield estimates are a moving target but here is my best Educated Guess – The Process*
- County Visits: ~ 10-20 fields counted across the county, combined with several visual estimates
- Field Counts: 2-3 one foot counts, calculate total viable heads per square foot, count florets per head on 5 heads to estimate kernels per head, then calculate yield per acre

Acre Estimations

- Planted acre estimates were down this year, an average of 18%, across SW counties. Fields being taken to harvest have also been reduced on a percentage basis related to an increase in graze out and hay acres, noted by actual counts.
- Bushel per acre estimates reflect a county freeze damage % reduction
- Given current soil moisture conditions coupled with the wheat developmental stage I believe this crop stands a chance of maintaining current yield potential (barring any further weather crisis). A good rain would help a great deal.

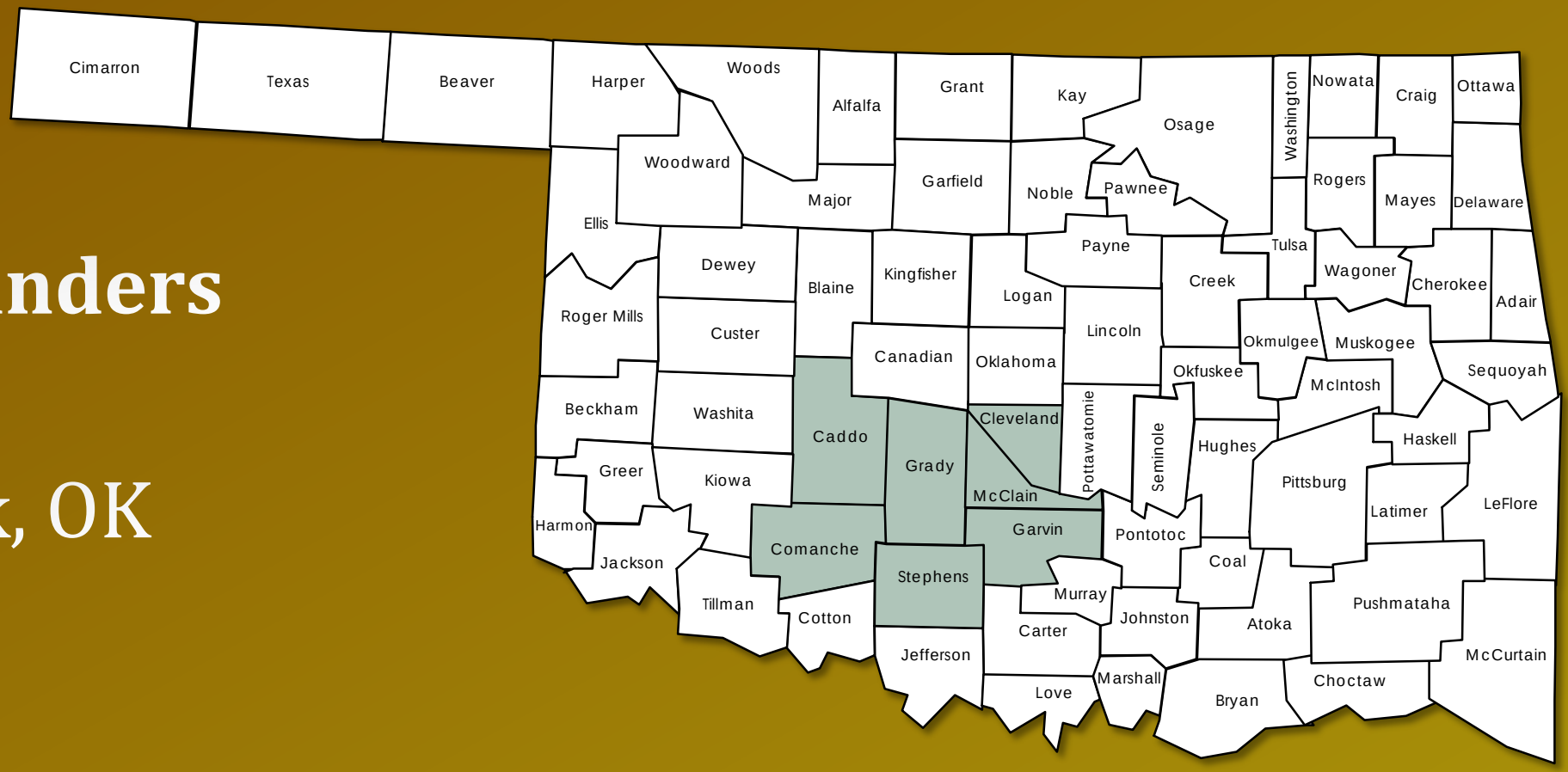
Southwest Region Acre Estimates

County	FSA reported % Decrease of Planted Acres for Forage Use Only - 2020	% Decrease of Planted Acres for Forage Use Only– by Counts
Cotton	15	41
Greer	10	36
Harmon	17	33
Jackson	15	32
Jefferson	97	97
Kiowa	9	36
Tillman	5	36

Southwest Region Estimates

County	Potential Harvested Acres	Yield-Bu/A (Avg. Freeze %)	Total Production (million Bu)
Cotton	86,113	25 (40)	2.153
Greer	39,986	19 (33)	0.760
Harmon	40,404	21 (40)	0.848
Jackson	87,196	19 (50)	1.657
Jefferson	1,531	22 (30)	0.034
Kiowa	108,436	23 (24)	2.494
Tillman	98,591	24 (40)	2.366
Total	**462,257**	**22.3**	**10.312**

South Central Region



Heath Sanders

CHS

Frederick, OK

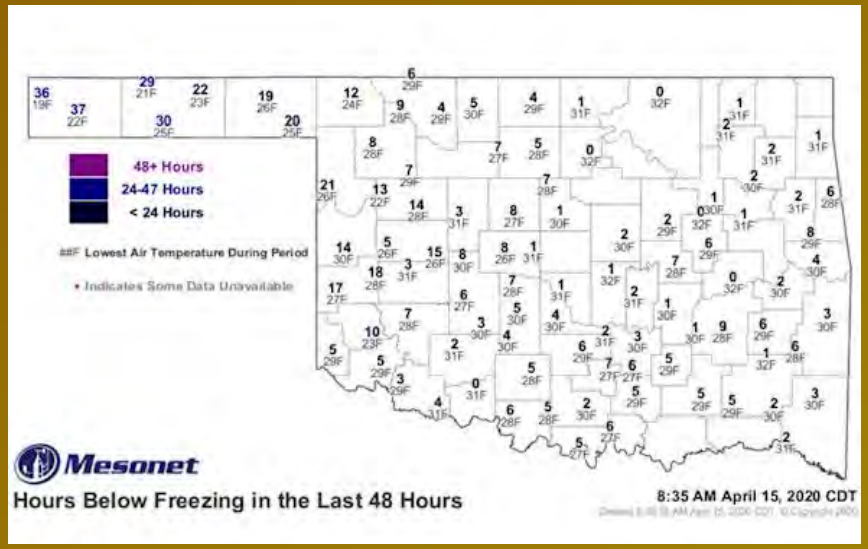
General Comments

- Growing season
  - Dry October
    - Not much forage for grazing
  - Mild winter with moisture allowed wheat to grow through the winter months.
- Had Good Yield Potential……..

General Comments

- Insect Pressure
  - Army Cutworms
  - Bird Cherry Oat Aphids (Light)
- Disease Pressure
  - Septoria
  - Tan Spot
  - Powdery Mildew and Stripe Rust (Light)
- Weed Pressure
  - Italian Ryegrass, Feral Rye, Rescue Grass, Bromes, Wild Oats

General Comments



- April 15th Freeze/Frost event.
  - Severe in some fields
  - More damage is showing up.
- Very unique freeze event. I have never seen one like this one.
  - Timing was at heading and pollinating.
  - Couldn't find much damage after 7 days. Hard to see, confusion on the flower parts of what I was seeing.
  - Earlier planted wheat was hit harder, Later planted seems to be ok.
  - Variability within the field, Low and high areas

Freeze Damage

Freeze Damage

Final Comments

- Wheat hay is being cut in in many places.
- Very challenging to determine % of freeze damage.
  - Heads with no, to partial filling top or bottom, then some heads will only have two grains in them while many others will be empty.
  - Freeze Damage range from 5-100%
- Need to continue to look for grain fill, each field is different
- Disappointed growers
- How many acres will be left to harvest? What is some of this wheat going to make?
- My best estimate or guess

South Central Region Estimates

County	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Caddo	68,000	29	1.972
Cleveland	1,000	25	0.025
Comanche	15,000	24	0.360
Garvin	2,000	25	0.050
Grady	18,000	26	0.468
McClain	1,500	26	0.039
Stephens	3,500	25	0.088
Total	**109,000**	**27.5**	**3.002**

2020 Wheat Crop Tour Estimates

Region	Harvested Acres	Yield (Bu/A)	Total Production (million Bu)
Panhandle	411,000	22.1	9.096
North Central – West	473,000	42.5	20.080
North Central – East	606,000	35.9	21.730
West Central	352,500	36.2	12.755
Central	452,680	38.9	17.597
Northeast	40,000	45.0	1.800
Southwest	462,257	22.3	10.312
South Central	109,000	27.5	3.002
Southeast	4,350	34.9	0.152
Total	**2,910,787**	**33.161**	**96.524**

Thank You!

To the Contributors of the 40th Annual Wheat Crop Report

EXTENSION

OKLAHOMA GRAIN & FEED ASSOCIATION

OKLAHOMA WHEAT GROWERS ASSN

Oklahoma Wheat Commission

CELEBRATING 75 YEARS!