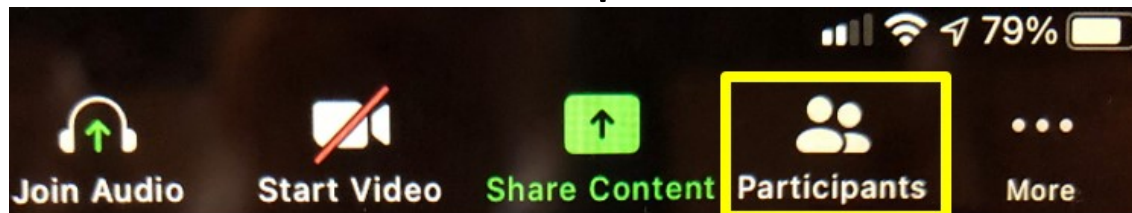
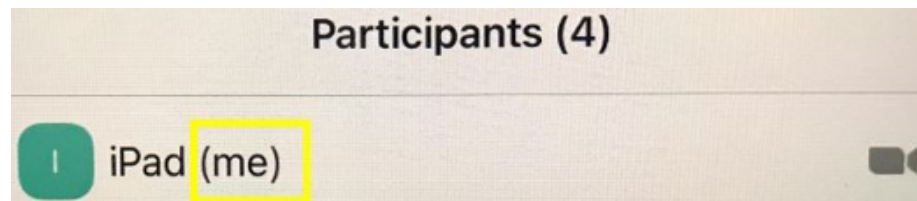


Zoom Instructions – Name

- Touch your screen to see the menus, then click on “Participants”

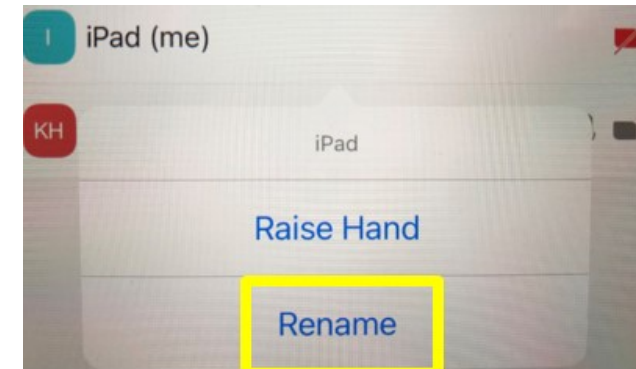


- Your name followed by (me), towards top.

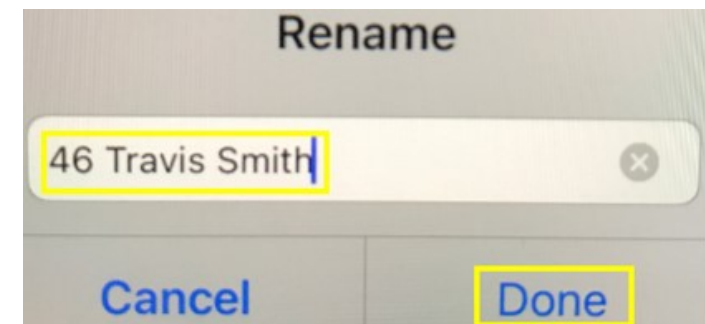


- If your full name is not displayed then click on what is currently being displayed.

- Click on “Rename”

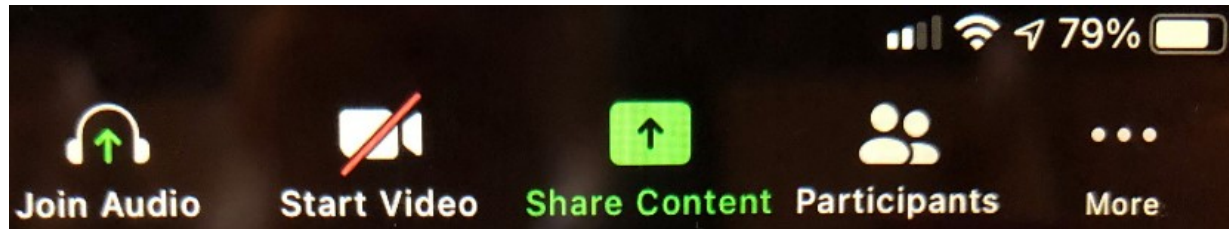


- Type state fips, first & Last name

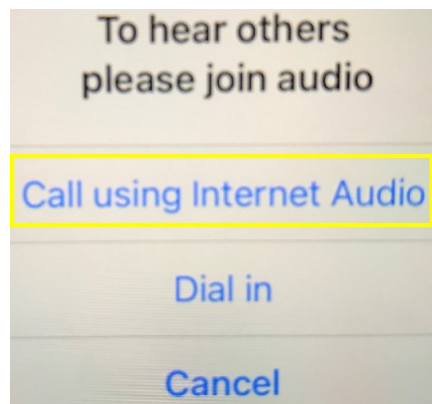


Zoom Instructions - Audio

- Touch your screen to see menus. If you see “Join Audio” then click on it.

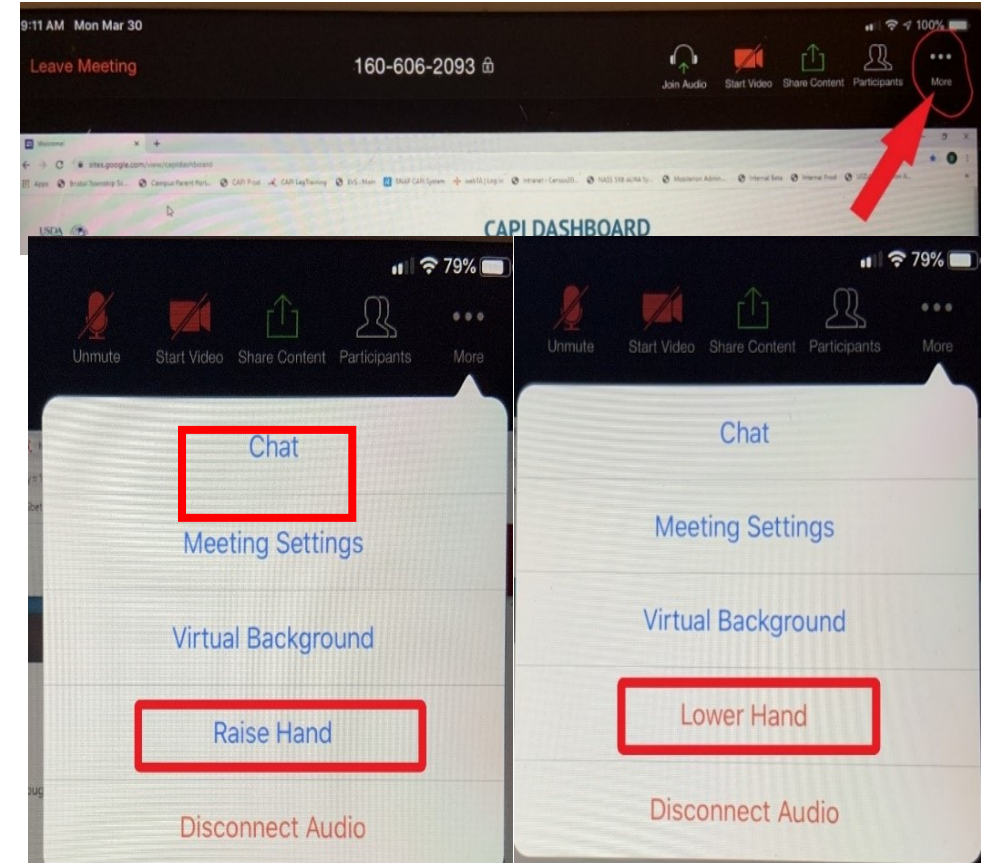


- Click on “Call using Internet Audio” this is the preferred method or if you select “Dial in”, you will be presented with phone numbers to call.



Zoom Conference

- We will be using the lower / raise hand feature in Zoom.
- If you have a question please “Raise Hand”.
 - When called on by the presenter unmute so that you can ask your question.
- If you no longer have a question, you can “Lower Hand”.
- You can also use “Chat” feature to ask a question.





Zoom Conference



We are recording this session and will load to the NASDA website so team members not able to join have the opportunity to review and allow those attending to review as well, if needed.

Our local video expert in the RFO will edit to enhance or remove any statements not allowed for non NASDA\NASS consumption (PII) and to remove our conversations before the formal session begins.



Zoom Conference

- Reminder to attendees:
 - Please keep microphone muted to prevent background noise.
 - Be aware of your surroundings if you have your camera turned on.
 - If you have an issue, contact your NASDA coordinator for help, or make a note in the chat box.
- Reminder to presenters:
 - Make sure to speak towards your computer microphone, so voice is picked up and heard by attendees. Don't rush! If you need to, use headphones or call in.
- Questions at end:
 - Use Raise Hand feature in zoom or put question in chat box.
 - When called on, be sure to unmute your microphone.
 - Will look at chat box and raised hands before we end the meeting.



United States Department of Agriculture
National Agricultural Statistics Service



Winter Wheat Objective Yield Zoom Training



April 17, 2023
9:00 am Central Time





Introductions

- Nick Streff – Director of Northern Plains Region
- Christy Meyer – Deputy of Northern Plains Region
- Doug Bounds – Kansas State Statistician
- Michael Echtenkamp – Kansas NASDA Coordinator
- Andrew Van Engelenhoven – Nebraska NASDA Coordinator
- Curtis Arnold – WOY Program Manager & Nebraska WOY Stat
- Sean Fedt – Kansas WOY Statistician
- Paul Sueper – WOY Group Leader



Management Welcome





State Statistician Comments





Northern Plains Contacts

Curtis Arnold – Program Manager

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curtis.arnold@usda.gov

Paul Sueper – Group Leader

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Paul.Sueper@usda.gov

Office Phone: (800) 582-6443



Northern Plains Contacts for Wheat

KANSAS

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Sean Fedt – Kansas Wheat
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NEBRASKA

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Andrew.VanEngelenhoven@usda.gov

Curtis Arnold – Nebraska Wheat
(402) 470-8779
Curtis.Arnold@usda.gov



Introductions



KANSAS

- Gary Morris
- Judy Bevan
- Dena Tabor
- Greg Koppes
- Rob Roberts
- Amanda Cook
- Renee Harman

NEBRASKA

- Yolanda Ambrosek
- Bonnie Emerson
- George Pinkerton
- Don Kneifl
- Kay Kallsen
- Lorie Paprocki



Agenda

- Purpose
- Form A
- Pesticide Safety
- Unit Location
- Form B
- Preferred Packaging
- Form E
- Due Dates & Grain Shipping
- Home Study Quiz
- Question and Answer Session



Workshop Overview

- Housekeeping Items
 - If you have an issue, please contact your NASDA Coordinator for help.
 - Please keep your microphone muted to prevent background noise.
 - Please hold questions until the specified allotted time, or put questions in the chat.
 - Please have the training packet readily available which contains the following items: WOY Booklet, Questionnaires and Interviewer's Manual.



Goals



- Refresher training
 - For experienced enumerators
- Basic tools
 - new enumerators
- Kit envelopes contain Forms A, B & E
 - Samples bundles contain materials used for units & grain
- Share knowledge and interact with other enumerators
- Meet NPR office staff



Additional Training

- Supervisors and enumerators are authorized for additional training.
 - Supervisor may meet with their group.
 - Supervisors may meet individually with their enumerators.
 - Time is available at your supervisor's discretion.
 - Recommend a field practice exercise with laying out the units.



3 UPS packages

1. Training Packet
2. Samples bundles, gleaning bundles and kit envelopes
3. Bamboo Poles

*New enumerators should have received a 4th containing WOY satchels



Training Packets

- Training Memo
- Cover Letter & Background Sheet
- Training Booklet
- Interviewer's Manual
- Forms A & B – practice forms
- Blank Forms A, B, & E
- Yellow and Pink ID tags
- Quiz
- Reference Sheet
- Packaging Standards
- UPS Procedures
- Trifold Brochure
- Wheat Objective Yield Procedures booklet
- Grid Map



Kit Envelopes

- Each sample has a kit envelope
- Each kit envelope contains
 - Form A
 - Form B – multiple months
 - Form E – if the sample is divisible by 4
 - Yellow and Pink ID tags
 - Grid Map



Sample Bundles

- Sample Bundles
 - Packaging supplies for shipping grain
 - Unit stakes
- Gleaning Bundles
 - Packaging supplies for shipping gleaning grain
 - Unit stakes





Extra Supplies - Enumerators

- WOY Satchel
 - Bamboo Poles
 - Flagging Ribbon
-
- If you are running low on supplies, contact your Supervisor



Resources on the NPR NASDA Website

- CAPI Dashboard: NASDA
- Go to the “Northern Plains Region” area.
- Under “Objective Yield” tap on the document you want to download to Books.
- Tap on the box with the arrow pointed up.  Located in the upper right corner.
- Tap on “Copy to Books” to take you directly into Books. 
- Once a document is downloaded to Books (icon on your home screen), it is saved on your iPad & can be accessed without a signal.



NPR NASDA Website – Objective Yield

- Website: <https://www.nasda.org/organizations/northern-plains-region>

Objective Yield	
Wheat OY – Unit Location (7 min)	Lab Sample Packaging
Wheat OY – Form B (2 min)	Wheat OY Quiz
Wheat OY – Crop Maturity (15 min)	Wheat OY Evaluation
Wheat OY – Form E (4 min)	Wheat OY Training Slides
Corn Home Study Quiz	Laying Out a Unit
Soybean Home Study Quiz	Corn Soybean 2022 Training
Course Evaluation	Wheat OY – Lab
Wheat OY – Gleanings	OY Sample Packaging



NASDA Administration

- Charge all time and expenses for Wheat OY to Project Code 101
- Mid Year Workshop
 - Kansas – May 17 - 19
 - Nebraska – May 15 - 17





United States Department of Agriculture
National Agricultural Statistics Service



Winter Wheat Objective Yield Zoom Meeting

April 17, 2023

Project Code 101





Purpose

- The purpose of the wheat objective yield survey is to accurately forecast the production of wheat at the State, Regional, and National levels. We also find harvest loss and change in acreage intentions for harvest.
- The monthly Crop Production reports provide reliable and timely information to use by farmers to make knowledgeable marketing strategies and business decisions.
- The Objective Yield survey provides factual information about wheat crop like row width, plants per acre, heads per square foot, grain weight, moisture content and harvest loss. All grain samples are processed at the National OY lab in Saint Louis, MO.



Wheat Objective Yield Program

- Program
 - Field counts, measurements & grain weights to forecast wheat yields
 - 10 States are in the program with 75% coverage of wheat harvested & 64% coverage of wheat production
- Farmer Benefit
 - Update marketing strategies (forward contract, hedge into futures, cash market)
 - Decide on farming practices (sell vs store)
 - Change intended crop usage – harvest, graze, silage, hay or feed usage.
- USDA doesn't drive down prices
 - Actual supply entering the market, along with demand determines prices
 - 49% - Wheat price **increased** one week after report over the last 35 years
 - 49% - Wheat price **decreased** one week after report over the last 35 years
 - 2% - Wheat price had **no change** one week after report over the last 35 years



Winter Wheat Yield Estimates

- In-Season Forecasts (for winter wheat May 1 - August 1)
Published near the 10th - Crop Production Report
 - ☐ Ag. Yield
 - Subjective
 - Inexpensive
 - ☐ Objective Yield (OY)
 - Actual counts of stalks and grain-objective
 - Expensive
 - ☐ Remote Sensing
 - Satellites used to measure vegetation to model yield
- Year End
 - ☐ Final OY
 - ☐ County Agricultural Production – small grains (CAPS)
 - ☐ September Agricultural Production Survey (APS)

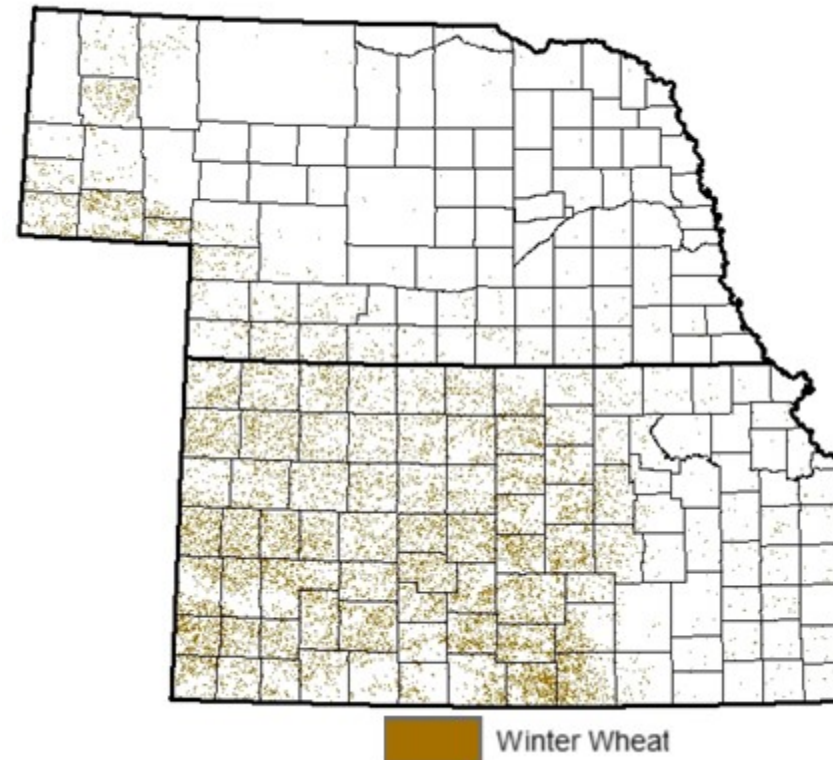


Winter Wheat Objective Yield

- Each sample field will have two units laid out. This is where the counts and measurements will be done.
- 2 parts to WOY fieldwork
 - ☐ Forms
 - Paperwork and then data entered into CAPI
 - ☐ Wheat clippings, final pre-harvest, and gleanings
 - Bagged and shipped
- National Lab in Saint Louis, Missouri
 - ☐ Number of heads, weight of heads, thresh, moisture content, test weight
 - ☐ Form E – harvest loss

Sample Size

- Samples are drawn from the 2023 March Agricultural Survey
- Winter Wheat harvested for grain
- No pre-assigned fields
 - Regional States
 - Kansas
 - Nebraska





Field Selection

- All samples will have a direction and closest or furthest indicator
- Move clockwise if no field in the indicated direction
 - N, NE, E, SE, S, SW, W, NW
- Direction variable means field in that direction that has not already been selected
- (C) Closest or (F) Furthest was added to enable all fields to be eligible for selection



NASDA Guidance

- Pre-survey letter was mailed to operator on April 10th
- The first contact attempt should be by phone
 - Complete Form A and the get Field(s) selection
 - Setup a personal appointment to meet operator
 - No answer, follow up with a personal attempt
- Allowed to drive to the field to set up field plots and make crop counts when you get operator permission
- Enumerators claim mileage for approved travel time



Use of Crop Production Report

- End Users
 - Farmers, bankers, grain buyers, economist, policy makers, media, brokers, extension, and universities
- Communicated Through
 - Farm magazines, radio, Internet, TV, newspapers, commodity news services, email and State Field Offices
- Unbiased source
 - No one has an advantage that could unfairly influence prices
- Grain Markets
 - It is actual supply entering the market along with demand that determines prices for farmers
 - USDA reports have had a positive effect on prices as often as negative effect.



Crop Production Report Dates

- May 12th at 11:00 am CT
 - Crop Production Report (forecast)
- June 9th at 11:00 am CT
 - Crop Production Report (forecast)
- July 12th at 11:00 am CT
 - Crop Production Report (forecast)
- August 11th at 11:00 am CT
 - Crop Production Report (forecast)
- September 29th at 11:00 am CT
 - Small Grains Summary (final)



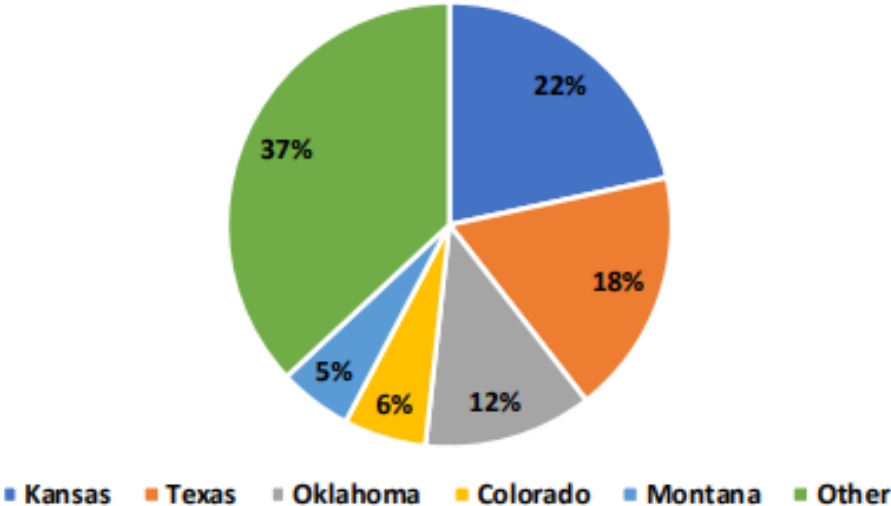


2023 Winter Wheat Planted Acreage

Planted (1,000 Acres)	
United States	37,505
% Change from Previous Estimate	↑ 1.5
% Change from Previous Season	↑ 12.7

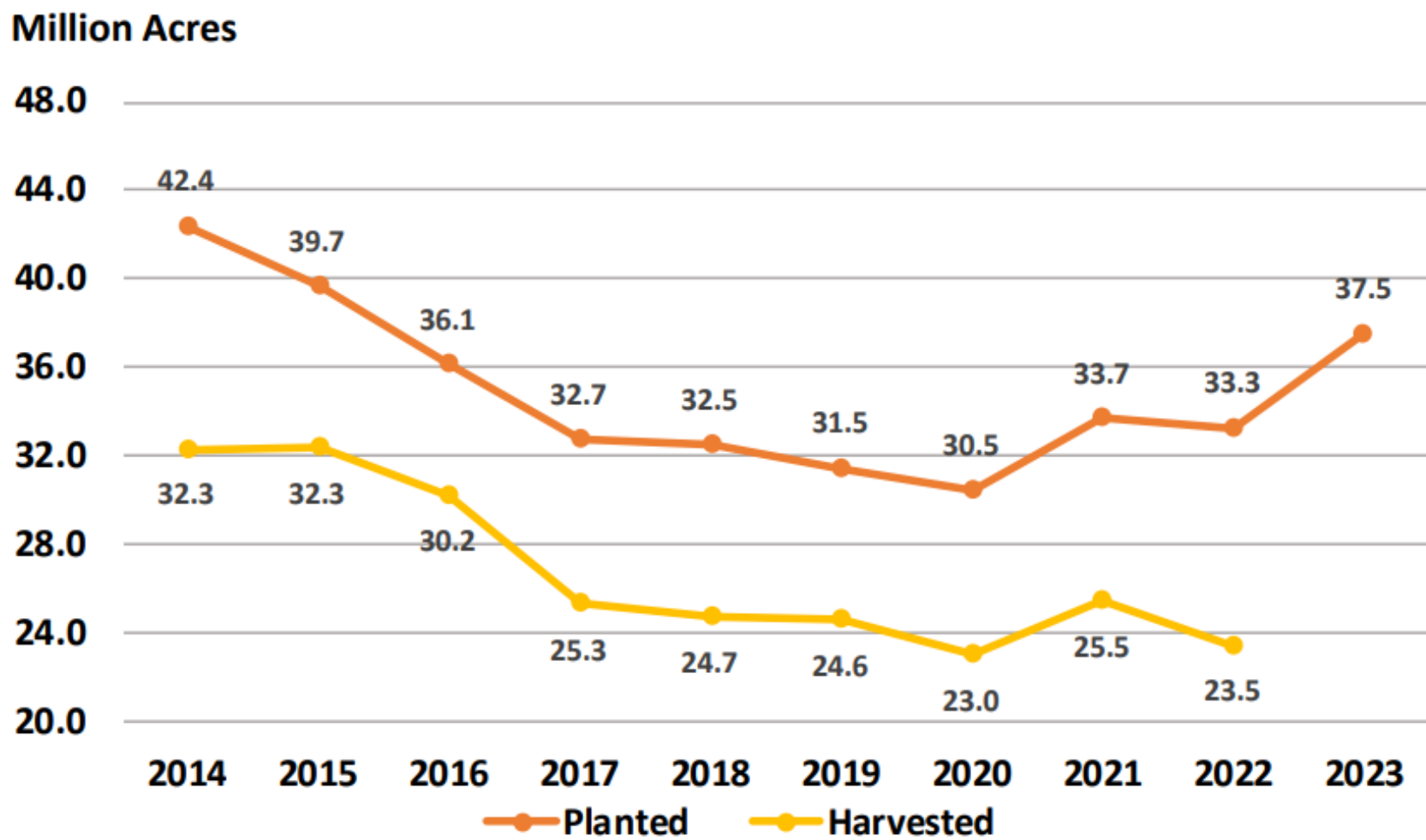
Top 5 States Planted			
	(1,000 Acres)	% Δ PY	
Kansas	8,100	↑	11.0
Texas	6,700	↑	26.4
Oklahoma	4,600	↑	7.0
Colorado	2,250	↑	15.4
Montana	2,000	↓	2.4

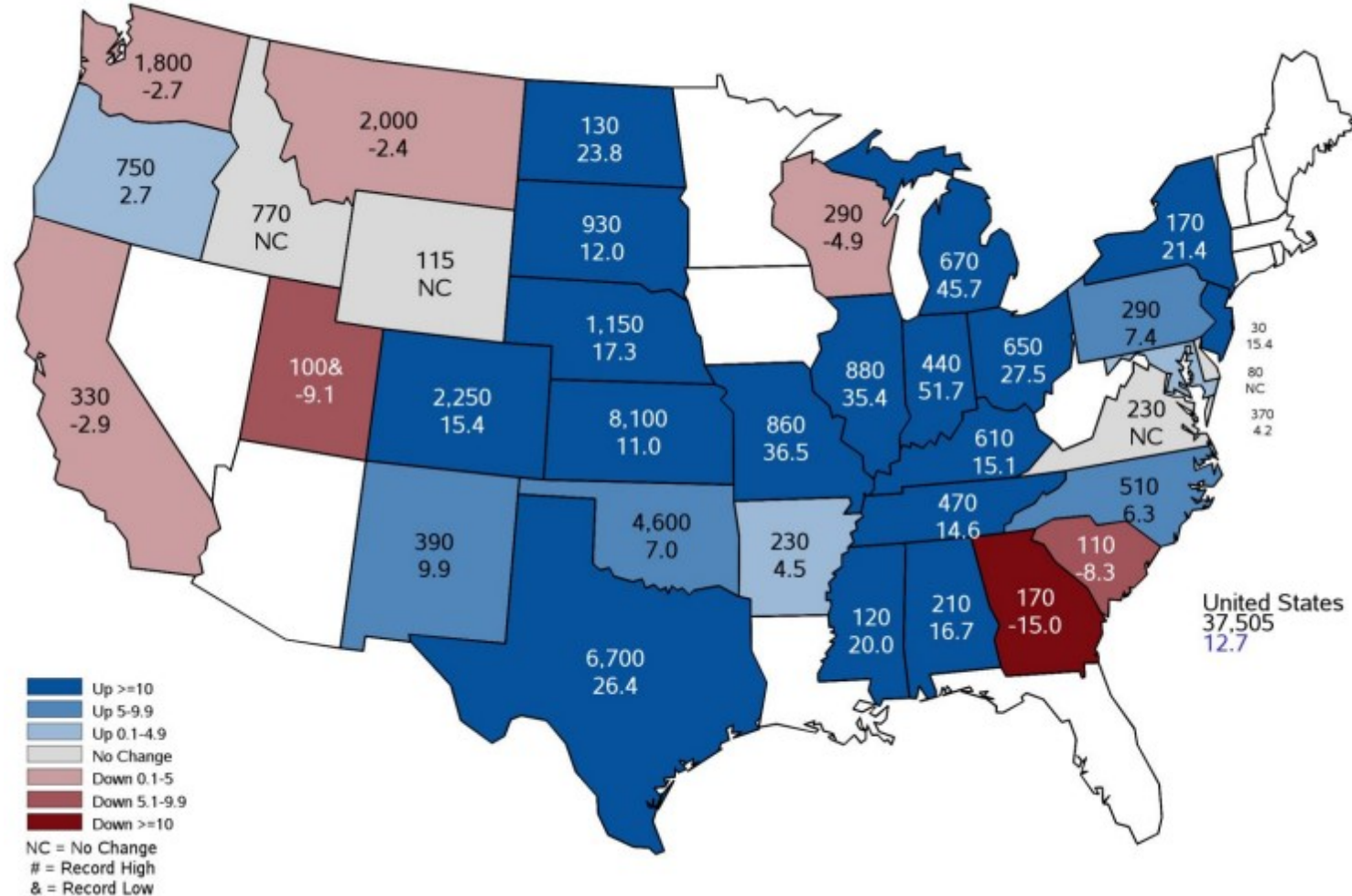
2023 Winter Wheat Planted Acres
By State





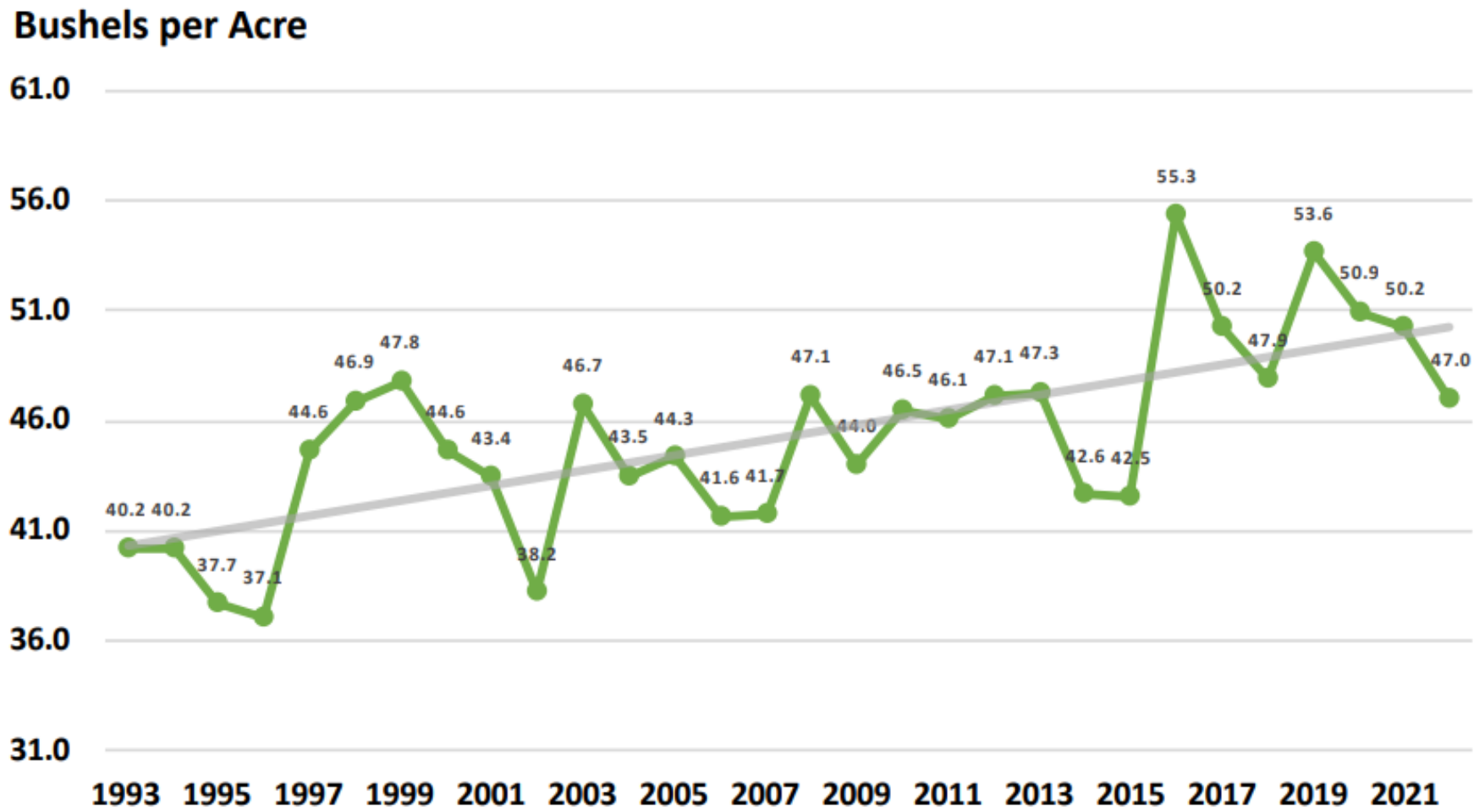
Winter Wheat Planted & Harvested Trend



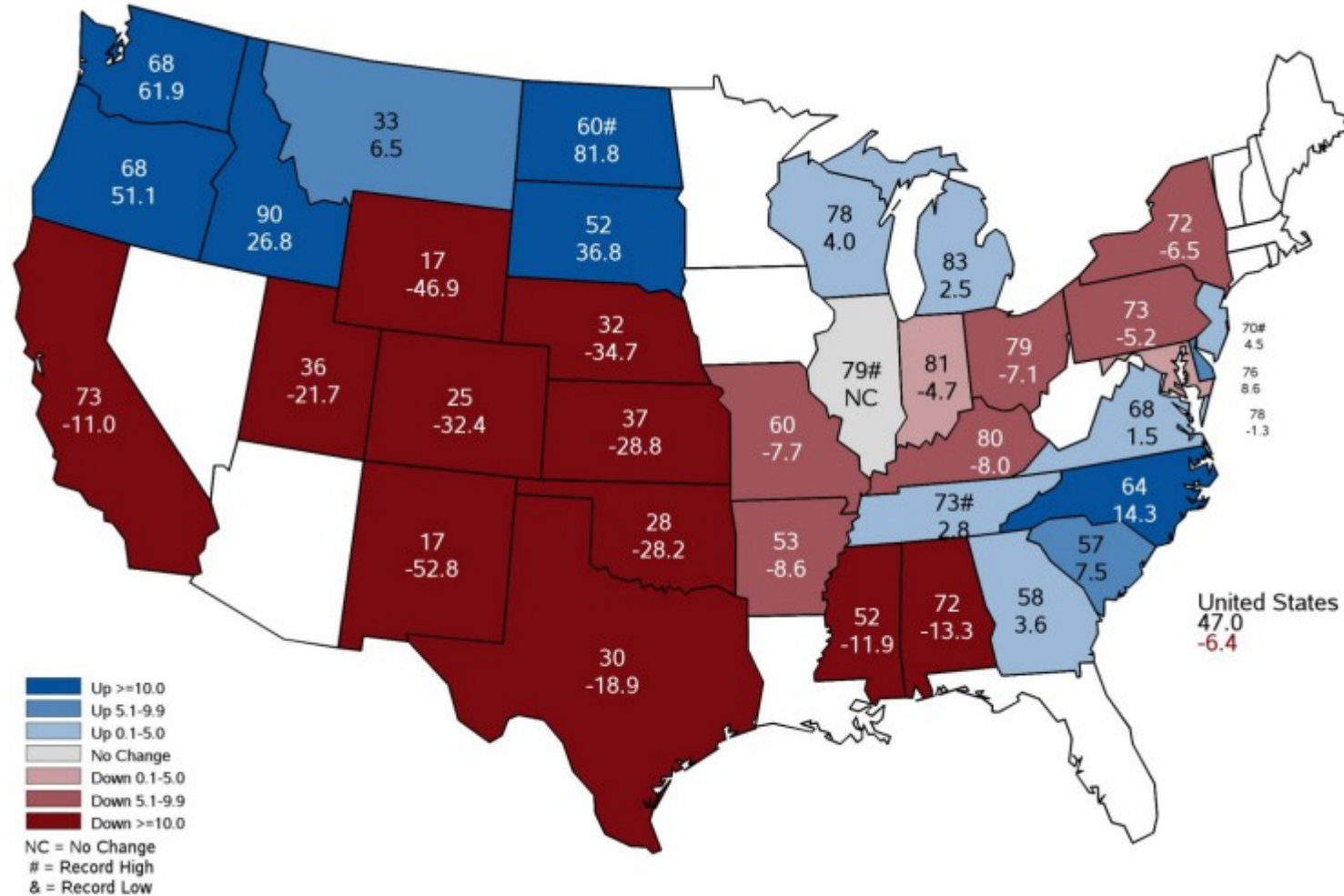




Winter Wheat US Yield Trend



Winter Wheat US Yield Map & Change

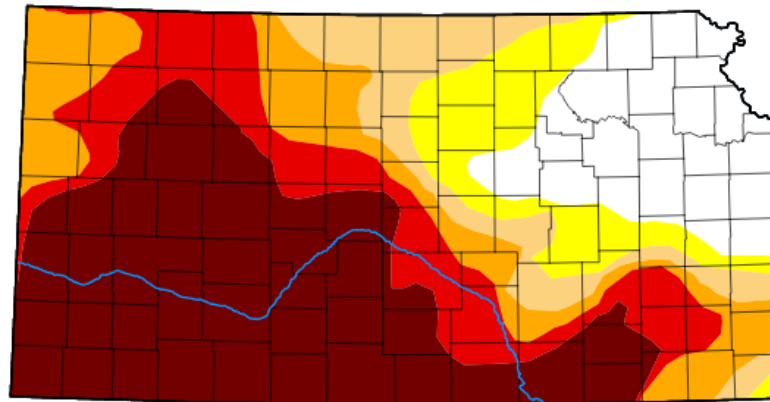


Kansas Drought Monitor Map

As of April 9th, Kansas winter wheat conditions rated:

- 33% percent very poor
- 28% poor
- 26% fair
- 12% good
- 1% excellent

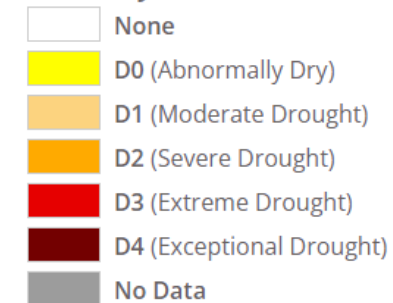
Winter wheat jointed was 17%, behind 19% last year and behind 20% for five-year average.



Map released: Thurs. April 6, 2023

Data valid: April 4, 2023 at 8 a.m. EDT

Intensity



Authors

United States and Puerto Rico Author(s):
David Simeral, Western Regional Climate Center

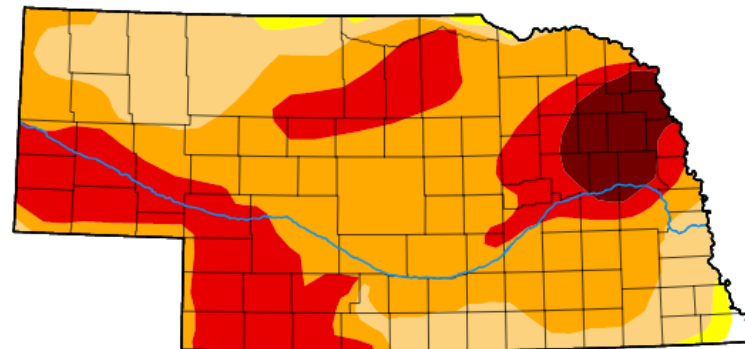
- 75% of the state is experiencing moderate to exceptional drought

Nebraska Drought Monitor Map

As of April 9th, Nebraska winter wheat conditions rated:

- 10% percent very poor
- 31% poor
- 36% fair
- 20% good
- 3% excellent

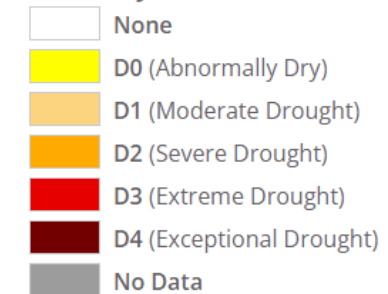
Winter wheat has not started jointing.



Map released: Thurs. April 6, 2023

Data valid: April 4, 2023 at 8 a.m. EDT

Intensity



Authors

United States and Puerto Rico Author(s):
David Simeral, Western Regional Climate Center

- 98% of the state is experiencing moderate to exceptional drought



United States Department of Agriculture
National Agricultural Statistics Service



Form A

Winter Wheat Objective Yield Survey Initial Interview 2023





Purpose

- Update the acreage of wheat expected to be harvested for grain since the March APS survey
- Get permission from farmer to conduct field work
- Select field that we will collect the wheat objective yield data from



Procedures

- Form A will be entered into CAPI
- Phone first
- Enter Form A as you complete interviews
- Sample Field Selection will be the **C**losest or **F**urthest field in a Cardinal direction

Verify Name and Address

- If there are any changes correct both Form A1 and Kit Envelope
- Write notes in CAPI





Initial Interview

- Box 1 pre-printed from what was intended to be harvested for grain from March Agricultural Production Survey
- **DO NOT CHANGE the acreage in box 1**
- Verify acreage – don't copy
- Record total wheat acres harvested in Box 102
- Make notes if the pre-printed acreage is incorrect

FORM A - 1: WINTER WHEAT

1. Earlier this season, the number of winter wheat acres you intended to harvest on all the land you operate was.....	ACRES	620.0
2. What are the total acres of winter wheat for harvest on the land you operate? (If total equals zero, end interview).....	ACRES	102 _____



Table A

- Column 1 - Sample Field
 - Based on location to the residence
 - Denoted by sample number
 - **C**=Closest/ **F**=Furthest Variable
 - Cardinal direction - N, S, E, W, NE, SE, SW, NW
- Column 2
 - Total Acres in Field
- Columns 3 & 4
 - Areas of winter wheat field not harvested
- Column 5 - Field Location Description
 - Help find field for Unit location
 - Intersections, landmarks, etc.

FORM A - 1: WINTER WHEAT

1. Earlier this season, the number of winter wheat acres you intended to harvest on all the land you operate was..... ACRES **620.0**

2. What are the total acres of winter wheat for harvest on the land you operate? (If total equals zero, end interview)..... ACRES **102 320.0**

Now, I need to identify one (or more) of your winter wheat field(s) and get their acreage.

Notes:

• Complete Table A for the winter wheat fields based off the cardinal directions indicated in column 1 below.

SAMPLE Number and Direction	TOTAL ACRES IN FIELD	Acres in USE or CROPS OTHER THAN WINTER WHEAT to be HARVESTED for GRAIN or SEED (For example: not seeded, bare spots, winter kill, waterways, roads, other crops, etc.)		LOCATION DESCRIPTION/ INTERSECTION OF FIELD (E.g., landmarks, features, street intersections)
		USE	ACRES	
1	2	3	4	5
*13 FSW	160.0	ditches	2.0	NE corner of 1st St & Hwy A



Table A – Multiple-sample Operations

- Identify sample fields for each sample number – copy data over to the other Form A's
- Sample for the Form A is in the 1st row with a '*' next to it.
- Only 1 sample per field, until no more fields available

FORM A - 1: WINTER WHEAT

1. Earlier this season, the number of winter wheat acres you intended to harvest on all the land you operate was.....	ACRES	620.0
2. What are the total acres of winter wheat for harvest on the land you operate? (If total equals zero, end interview).....	102 ACRES	320.0

Now, I need to identify one (or more) of your winter wheat field(s) and get their acreage.

Notes:

- Complete Table A for the winter wheat fields based off the cardinal directions indicated in column 1 below.

TABLE A

SAMPLE Number and Direction	TOTAL ACRES IN FIELD	Acres in USE or CROPS OTHER THAN WINTER WHEAT to be HARVESTED for GRAIN or SEED (For example: not seeded, bare spots, winter kill, waterways, roads, other crops, etc.)		LOCATION DESCRIPTION/ INTERSECTION OF FIELD (E.g., landmarks, features, street intersections)
		USE	ACRES	
1	2	3	4	5
*13 FSW	160.0	ditches	2.0	NE corner of 1st St & Hwy A
14 CN	30.0			N of farmstead



Finding a Sample Field

- Making sure you are in the correct field:
 - Use the grid map with great details like specific roads or intersections
 - If you both have smart phones have the respondent send you a pin on Apple or Google maps
 - Get the legal description and use a plat map to find the field



Sample Field Characteristics

- Item 3 – Sample Field Information

FORM A - 1: WINTER WHEAT - Continued

The remaining questions on this page apply to this SAMPLE.

3. For the Sample Field, subtract Column 4 from Column 2 for the total acres of winter wheat to be harvested for grain or seed. Report these acres here:

ACRES

- Item 4 – Wheat Class

4. What class of wheat was seeded in the Sample Field? _____

☐ 1 HARD RED Winter ☐ 2 SOFT RED Winter ☐ 3 WHITE Winter

CODE

- Item 5 – Irrigated

5. Has this field been (or will it be) irrigated?

☐ 1 Yes ☐ 3 No

CODE



Plotting & Pesticides

- Item 6 - Explain plotting processes

6. With your permission I will go out to the field and mark off two small plots to be used in making plant and fruit counts. I will return to the plots each month until harvest to make counts, and clip a few heads to determine their size and weight. Would that be all right?

☐ Yes - Continue.

☐ No - Conclude interview and return all forms.

- Item 7 - Pesticides

- Organophosphorus applied?
- See Interviewers Manual for re-entry schedule

7. Have you or will you apply pesticides with organophosphorus content to the sample field?

☐ Yes

☐ No

☐ Don't Know

If YES, enter latest application date _____ and name of pesticide _____

- Item 8 – Respondent's Name

8. Respondent Name: _____

IMPORTANT: Review for completeness. Sign name.
Record expected harvest date, pesticide intentions, (item 7), and operator's
telephone number on your kit envelope.

- Item 9 – Enumerator Information

9. Enumerator Name: _____

Enumerator Number	190
Supervisor Number	191
Evaluation	193



Friendly Reminders

- ✓ **Phone first**
- ✓ Form A's will be entered via CAPI
- ✓ All samples will have a cardinal direction and an indication if it is the closest or furthest in that direction



Pesticide Safety



Pesticide Safety

- A pesticide safety program has been developed for all employees who may be exposed to pesticides while working WOY.
- This program is designed to protect you from the possibility of overexposure.
- Organophosphorus insecticides are used on most crops.

Organophosphorus Chemicals Commonly Used in Wheat Production	
<u>Trade Name(s)</u>	<u>Common Name</u>
Bracket, Orthene.....	Acephate
Sniper	Azinphos-methyl
Eraser, Govern, Lorsban, Nufos, Pilot, Warhawk, Whirlwind	Chlorpyrifos
Cobalt Advanced	Chlorpyrifos plus gamma-cyhalothrin
Stallion	Chlorpyrifos plus zeta-cypermethrin
Cygon, Cymate, De-Fend, Digon, Dimate, Dimethoate	Dimethoate
Disyston.....	Disulfoton
Ethyl parathion.....	Ethyl parathion
Atrapa, Fyfanon, Malathion	Malathion
Declare, Methyl parathion, Penncap-M	Methyl parathion
Thimet.....	Phorate



Pesticide Safety



- Field Re-Entry Intervals
 - All Pesticides – 1 Day
 - Organophosphorous Compounds – 3 Days
 - 30 Days – Limited to 6 Hours per Day



Pesticide Safety



- Protective Clothing
 - Wear a Long Sleeve Shirt
 - Wear Long Pants
 - Wear Head Covering
- Wear Only 1 Day and Launder Separately From Your Other Clothes!



Pesticide Safety



- Soap and Water For Decontamination
 - Carry Water and Bath/Bar Soap
 - Thoroughly Wash All Exposed Skin Areas

Pesticide Poisoning

SYMPTOMS

- Headaches
- Dizzy Spells
- Nervousness
- Sudden Weakness
- Sick Stomach
- Cramps
- Pupils of the Eye reduced in Size

SYMPTOMS

- Diarrhea
- Heavy Sweating
- Breathing Difficulty
- Coma
- Seizures
- Vomiting



Medical Attention



- Go to the Nearest Qualified Physician!
- Notify Immediately:
 - Your Supervisor and NASDA Coordinator
- Do Not Return to the Field Without:
 - The Doctor's Written Permission
 - Completing Form NAS-016 (Rev 11/95)



United States Department of Agriculture
National Agricultural Statistics Service



Unit Location and Layout





Wheat Objective Yield Supplies

Sample Bundle

5 small white Tyvek
1 jumbo white Tyvek
8 orange rubber bands
7- #12 paper bags
5- #8 paper bags
5- #5 paper bags
18 red stakes
24 blue stakes

Gleaning Bundle

2 small white Tyvek
1 orange rubber band
1- #12 paper bag
10 red stakes

Satchel Contents

50 ft Tape Measure
Anchor Pin
Yardstick
Clippers
Clipboard
Pencil
Black Marker
Wheat Frame
Hand Counter

Other Supplies: Bamboo Poles, Flagging Ribbon, UPS Labels (white w/blue banner – St. Louis), Envelopes, pencils, clipboards, etc.

If you are running low on supplies, contact your Supervisor



Wheat Supply Bundles

- All bundles prepared by National Lab in St. Louis, MO
- Why Supply Bundles?
 - Consistent supplies across samples
 - Easily transferrable between enumerators
 - Eliminates time required to assemble in RFO
- Do NOT open bundles if you don't need them, we can use them next year



Determining Paces

- Use Form A box 103 acres
- Find the appropriate field size on the kit envelope label
- Circle the rows and paces on the Kit Envelope label
- Copy to Form B

FORM A-1: WINTER WHEAT, TABLE A – Continued

The remaining questions on this page apply to the SAMPLE FIELD ONLY.

3. For the Sample Field, subtract Column 4 from Column 2 for the total acres of winter wheat to be harvested for grain or seed. Report these acres here:

103 80.0 ACRES

Wi Wheat	< than 10 Ac	10-19 acres	20-39 acres	40-59.9 acres	60+ acres	Strip Wheat
Unit 1						
Rows=	77	139	243	327	317	154
Paces=	46	83	79	70	200	49
Unit 2						
Rows=	107	169	273	357	347	184
Paces=	76	113	109	100	230	79



Unit Location

Keep in Mind:

- ✓ Starting corner will be the point which allows the units to fall anywhere in the field boundaries.
 - Mark the starting corner. (Make note of it on your Kit Envelope)
- ✓ Step off your paces outside the plowed edge of the field. Start one and one-half feet outside the plowed edge of the field along the longer side of the field.
- ✓ Turn at a right angle and step off paces into the field.
- ✓ Make sure to deduct any area that was deducted in Form A

Interviewer's Manual Page 401-402

- ❖ Tie a piece of flagging ribbon to your poll to make it easier to find.

START

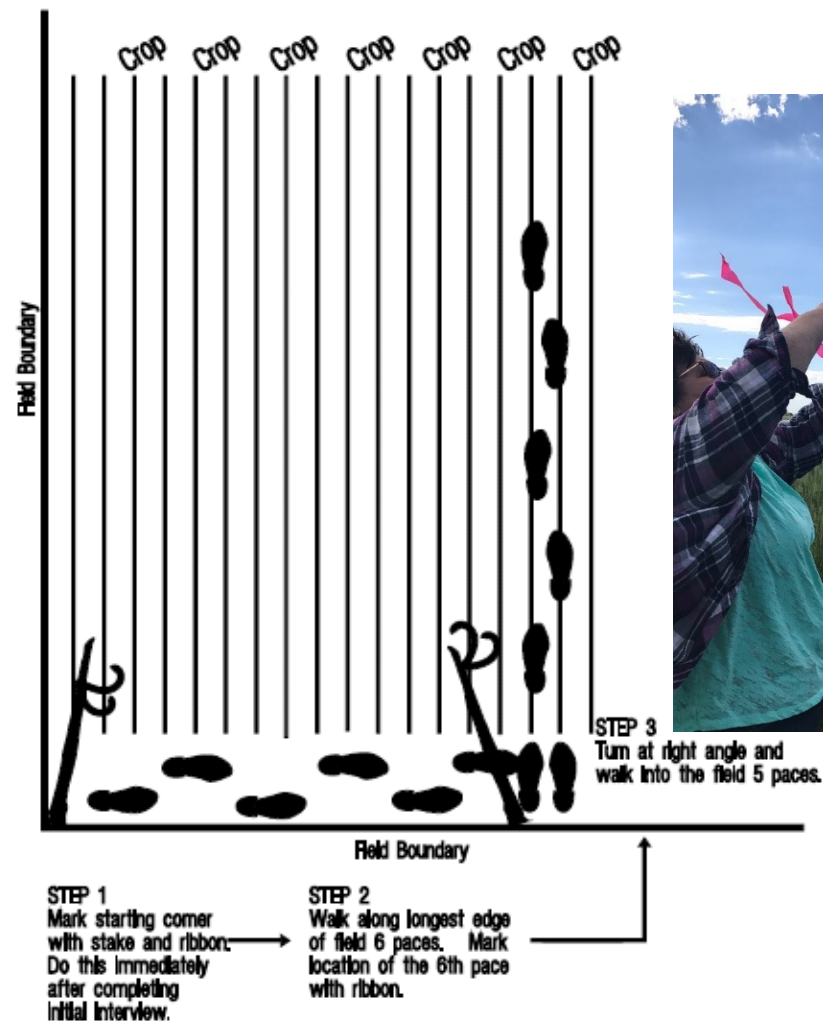
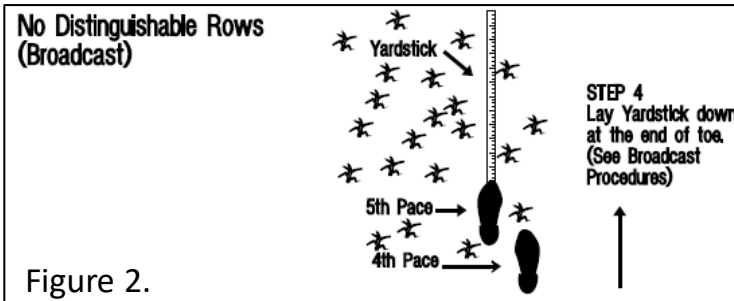
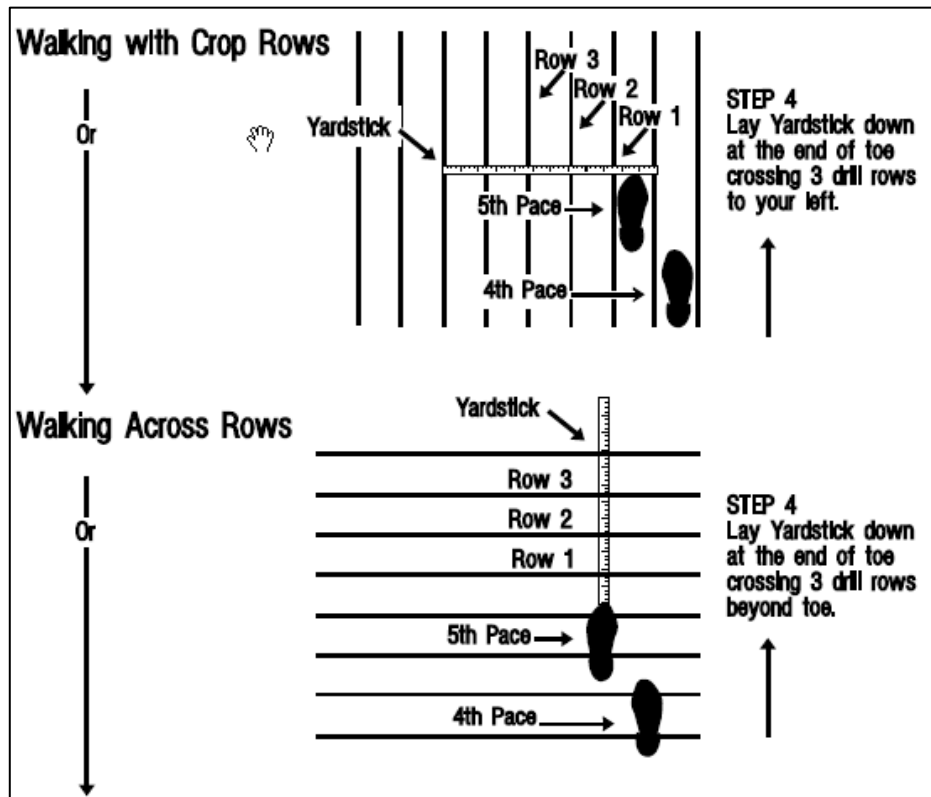


Figure 1.

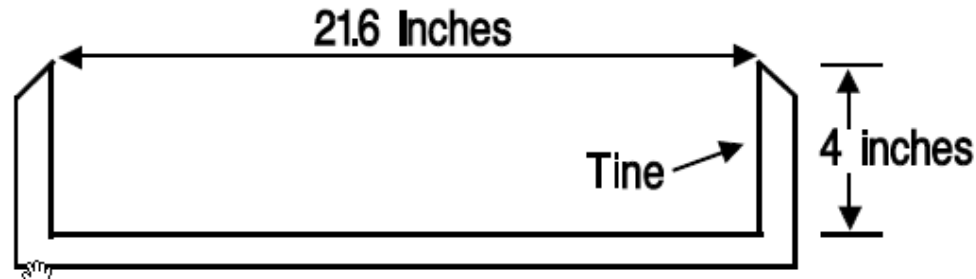


- After you have completed your paces, place the yardstick so that it touches the toe of your shoe.
 - Yardstick needs to cross 3 drills rows.
 - ❖ Broadcast procedures start on page 409 of the Interview's Manual
- Lay out a five foot buffer zone to the **RIGHT** of the yardstick. (Use 50ft tape, anchor pin, wooden stakes.)
- Red florist stake will be placed at the beginning of your buffer zone.
 - ❖ Be sure to label your florist stake with the sample number.

Wheat Frame

- Be sure to check your wheat frame (quality control)
 - Correct length (21.6 in)
 - Frame and tines are not bent
 - Halfway point marked (10.8 in)

Wheat Frame



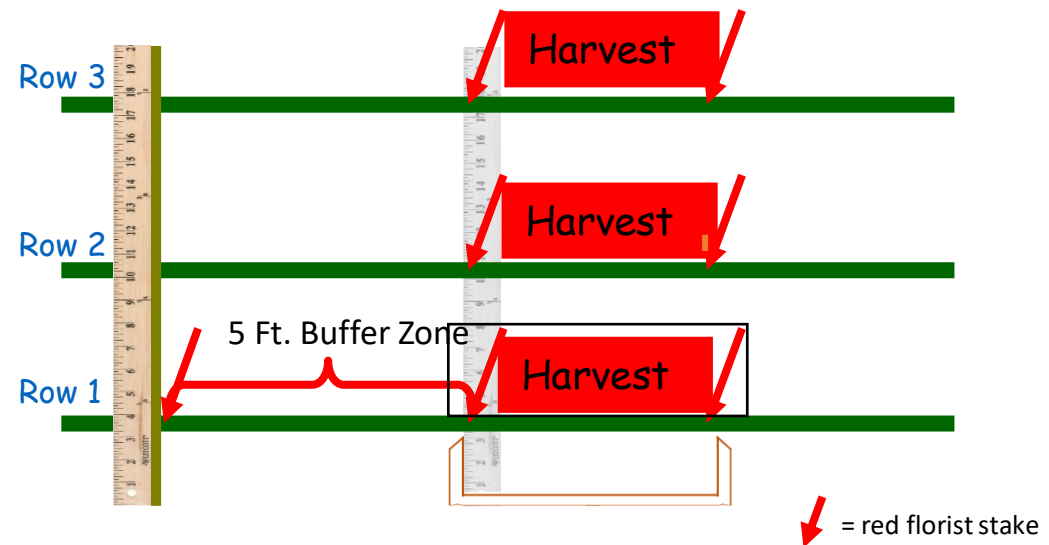
Labeling Units

- Remember to label your wooden stakes
- S-1 (Sample 1)
- U-1,R-1 (Unit 1, Row 1)
- U-1, R-2 (Unit 1, Row 2)
- U-1, R-3 (Unit 1, Row 3)
- U-2,R-1 (Unit 2, Row 1)
- U-2, R-2 (Unit 2, Row 2)
- U-2, R-3 (Unit 2, Row 3)



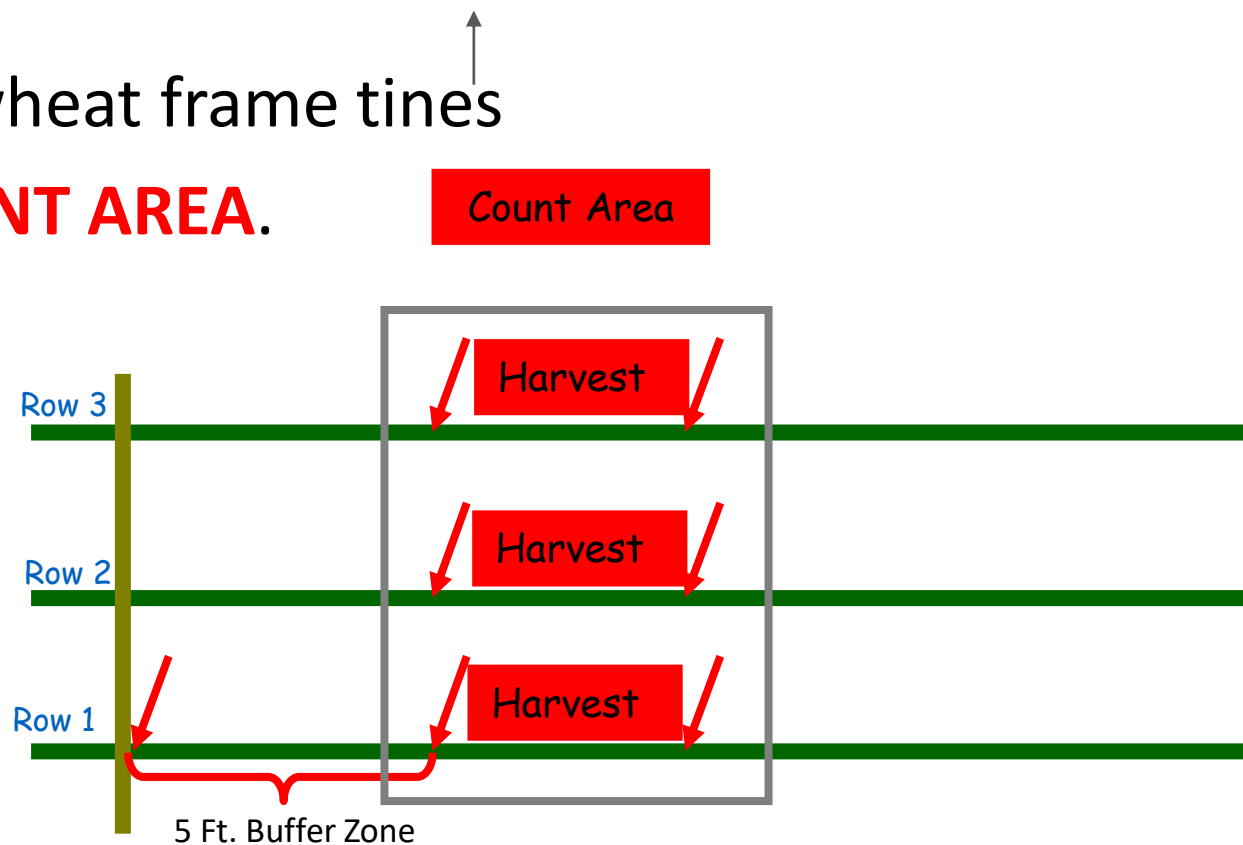
Laying Out Unit 1 – Count Area

- Reposition yardstick to touch stake and cross three drill rows.
- Insert wheat frame into Row 1 and insert red florist stakes
 - Wheat frame identifies the length of the row included in the unit.
- Use tine to put in a red florist stake in the second row
- Do the same for row three



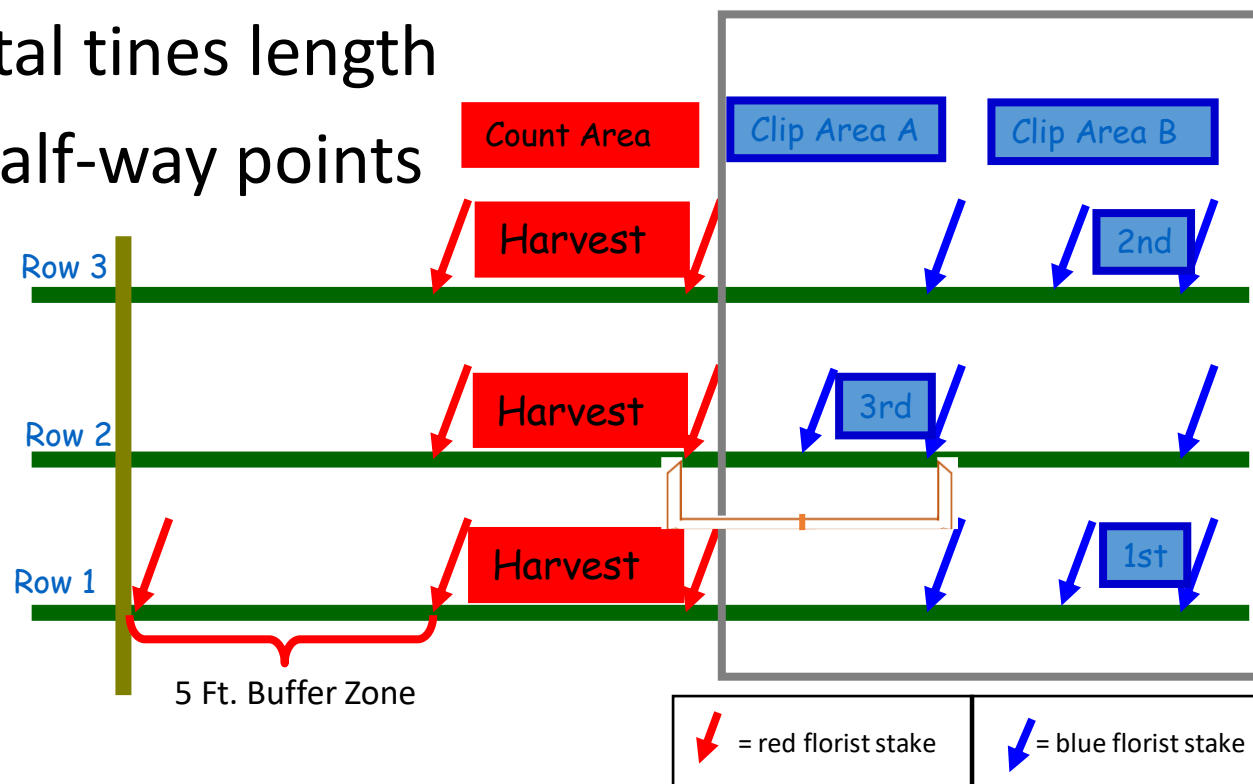
Count vs Clip Area

- **Red stakes** mark the 1st, 2nd, and 3rd rows for one wheat frames length from the Buffer Zone.
- Note – the stakes go inside the wheat frame tines
- The **Red stakes** enclose the **COUNT AREA**.

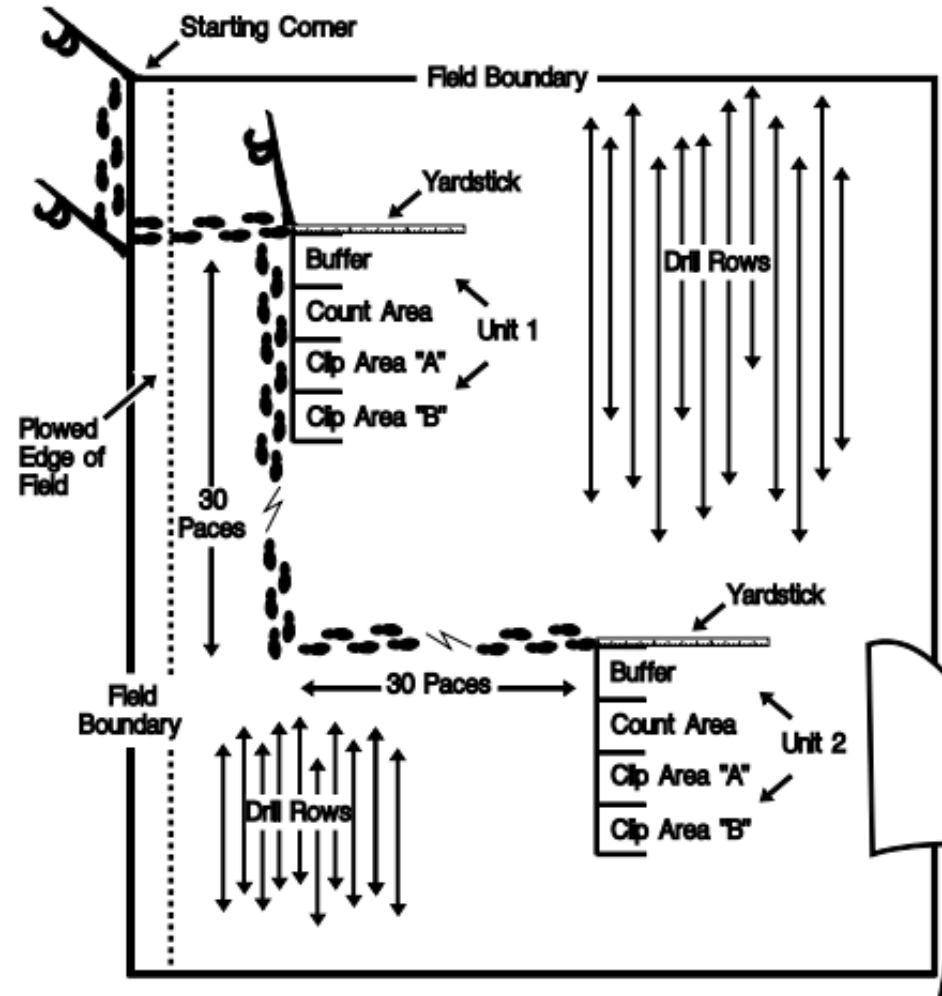


Count vs Clip Area - continued

- **Blue stakes** follow a tines length from each of the red stakes
- Second set of **Blue stakes** follow a tines length
- Clip Areas are one half of the total tines length
- Use **blue stakes** to denote the half-way points when laying out clip areas



Unit 1 and Unit 2 Field Locations



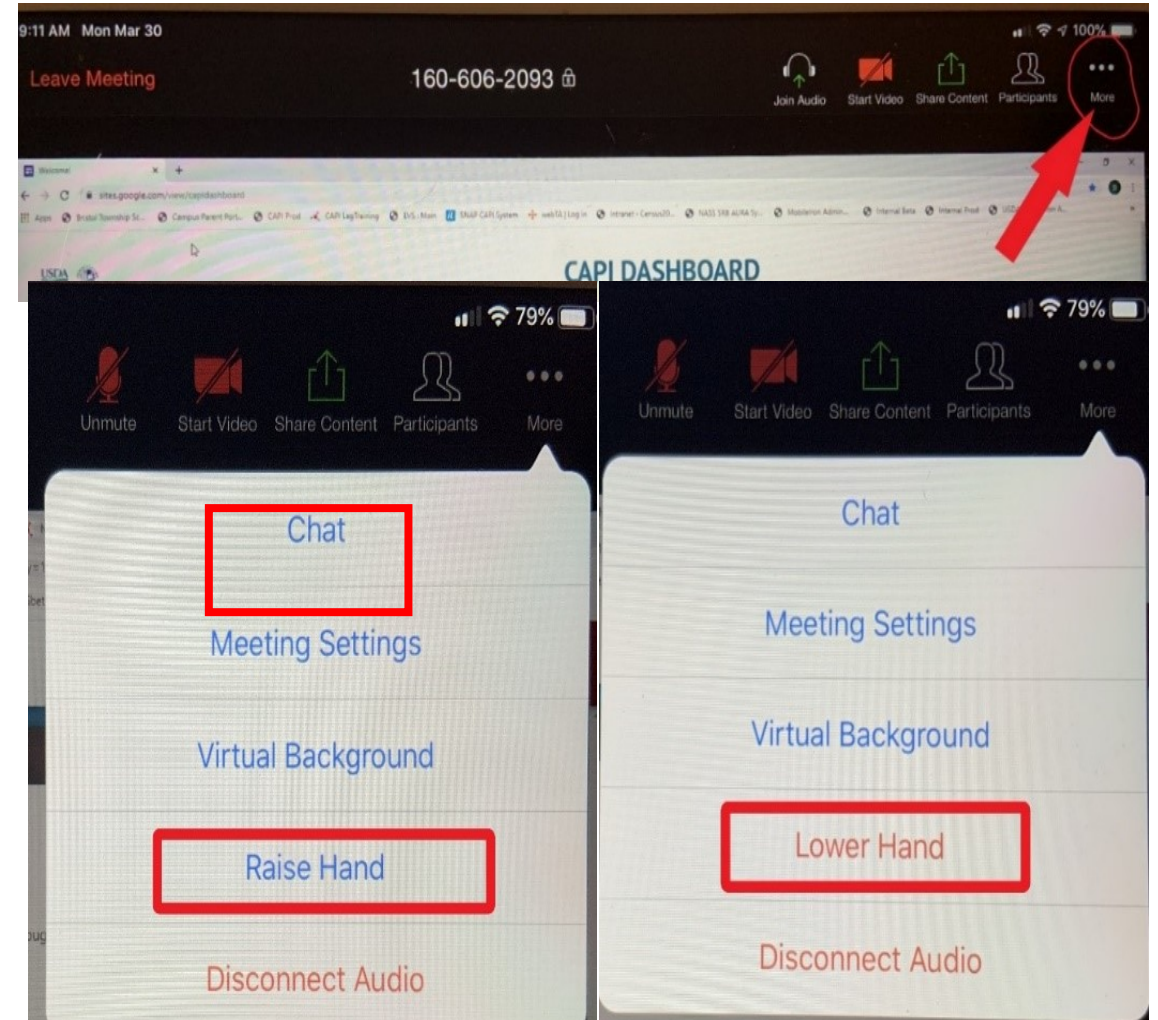


Special Situations

- Bounce Back
 - You reach the end of the field and have not taken the required paces, turn around and walk back.
- Spiral Seeded Field
 - Starting point – first point reached when arriving to field and walk clockwise along the edge of the field.
- Part of Unit Falls Outside of Field
 - Decrease the pace count
- Odd-Shaped Fields – Starting Corners
 - Sample unit needs to have an equal chance of falling anywhere in the field.
- Center Pivot Fields
 - Entire field including corners
 - Circle only
 - Utilize access roads used for irrigation

Questions?

- “Raise Hand” in Zoom
- Unmute
- Type questions in the chat





United States Department of Agriculture
National Agricultural Statistics Service



Form B

WINTER WHEAT YIELD COUNTS

2023





Form B – CAPI Only

- Form Bs during monthly Wheat OY data collection timeframe:
 - Enter into CAPI
 - Do not ship paper forms to NPR
- Form Bs outside of monthly data collection timeframe:
 - Hold Form Bs and enter when data collection begins again
 - Ship final harvest to lab immediately




Form B – Matching Dates

Project Code 101 QID 120031 A-1 W OMB No. 0535-0088 Approval Expires 3/31/2023

USDA **FORM B** **WINTER WHEAT YIELD COUNTS** **AGRICULTURE COUNTS** **NATIONAL AGRICULTURAL STATISTICS SERVICE**

YEAR, CROP, FORM, MMDD	R/S/D	POID	SAMPLE	STATE
313 <u>0</u> <u>4</u> <u>2</u> <u>9</u>	1201	301606030	0048	KS


20301606030010100309800003037050

UNIT 1 UNIT 2
ROWS
PACES

Forecast Month May 1

Date: April 29, 2023

Both dates need to match



Questionnaire Breakdown

- 1. Pesticides
- 2. Paces along edge
- 3. Paces into field
- 4. Unit Location Code

1. Has operator applied pesticides with organophosphorus content to the sample field?

☐ Yes ☐ No

If YES, enter latest application date _____ and name of pesticide _____

UNIT LOCATION

	UNIT 1	UNIT 2
2. Number of paces along edge of field.....	<div></div> + 30	<div></div>
3. Number of paces into field.....	<div></div> + 30	<div></div>
4. UNIT LOCATION CODE.....	<div>305</div>	<div>307</div>

1 First visit to lay out unit
2 Unit relocated this month
3 Sample unit laid out previously

Enter Code

When unit is Coded 3, go to item 6; otherwise go to item 5.



Questionnaire Breakdown

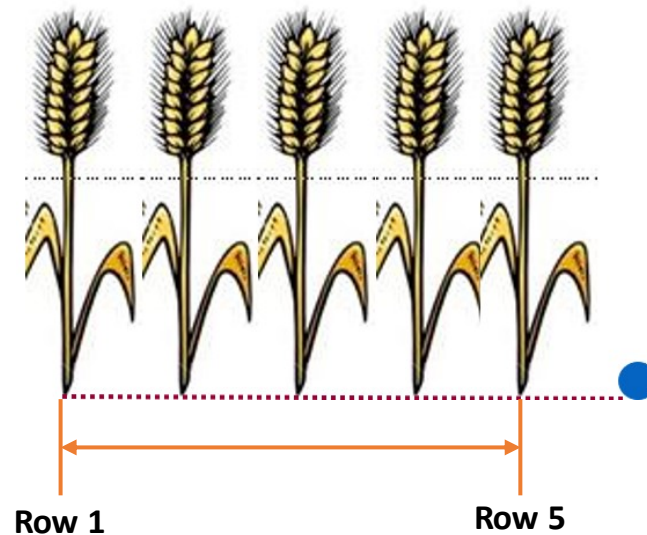
5. Row space measurements

5. ROW SPACE MEASUREMENTS

a. Measure distance from stalks in Row 1 to stalks in Row 5.....

UNIT 1
Feet & Tenths

UNIT 2





Questionnaire Breakdown

When in doubt, always go lower!

6. STAGE OF MATURITY: (Circle one code for each unit)								
MATURITY STAGE	PRE-FLAG	FLAG OR EARLY	LATE BOOT OR FLOWER	MILK	SOFT DOUGH	HARD DOUGH	RIPE	BLANK
UNIT 1 Count Area	300 1	300 2	300 3	300 4	300 5	300 6	300 7	300 8
UNIT 2 Count Area	302 1	302 2	302 3	302 4	302 5	302 6	302 7	302 8
If Unit One Maturity is	1 or 2, <u>start counts with item 7</u>		3, 4, or 5, <u>start counts with item 8</u>			6 or 7, <u>start counts with item 8</u>		8. Substitute Unit Two when both 8, Go to item 10
COUNTS WITHIN UNITS	UNIT 1			UNIT 2				
	Row 1	Row 2	Row 3	Row 1	Row 2	Row 3		
	311	312	313	314	315	316		
	351	352	353	354	355	356		
	331	332	333	334	335	336		
7. Number of stalks (stems) in row.....								
8. Number of heads in LATE BOOT.....								
9. a. Number of emerged heads on all stalks								
b. Number of detached heads in unit.....								
(Complete 9b only on Final PRE-HARVEST VISIT)								

Questionnaire Breakdown

10. Steps based on maturity code

10. If the MATURITY CODE circled in item 6 for Unit One (or Unit Two when Unit One is blank) is:

- Code 1 or 2: SKIP items 11 and 12. Enter enumerator and supervisor numbers and sign name.
- Code 3, 4, or 5: Go to item 11.
- Code 6 or 7: Go to item 12.
- Code 8 (Both Units): Record dashes for appropriate items plus note on Form B and kit envelope that both units are in blank area. Enter enumerator and supervisor numbers and sign name.

Lay out Units 1 and 2 as shown below:

Row 3				2nd Clip ←
Row 2			3rd Clip ←	
Row 1				1st Clip ←
	Count Area	Clip Area A	Clip Area B	

CLIPPING ORDER

Both Units (*item 11*)

First Clipping -- Row 1 in Clip Area B

Second Clipping -- Row 3 in Clip Area B

Third Clipping -- Row 2 in Clip Area A

Questionnaire Breakdown

11. Clip Areas (MC = 3, 4, or 5)

Lay out Units 1 and 2 as shown below:

Row 3			2nd Clip ←
Row 2		3rd Clip ←	
Row 1		1st Clip ←	
	Count Area	Clip Area A	Clip Area B

CLIPPING ORDER

Both Units (*item 11*)
 First Clipping -- Row 1 in Clip Area B
 Second Clipping -- Row 3 in Clip Area B
 Third Clipping -- Row 2 in Clip Area A

11. WITHIN CLIP AREA: Make clippings in the designated ROW within Clip Area OF EACH unit following steps below.

If Unit 2 Maturity Code is 2, enter enumerator and supervisor numbers below and sign name.
 Discard Unit 1 clipping and DO NOT send any clippings to the lab.

Step 1 -- Mark half-way point in specified row in clip area.

Step 2 -- MOW (cut stalk within 2 inches of base) all wheat stalks in specified row until 5 emerged heads (if that many) are obtained OR until one-half the row is completely mowed. Begin mowing at the end of the row farthest from count area and mow in direction of count area. Examine each stalk for emerged head as it is mowed; if present, clip stalk **1/2 inch** below the head. Place the 5 (or less) emerged heads in a small bag. Record count on YELLOW I.D. tag. Also, when mowing, clip and count any heads in late boot at base of top foliage leaf and place in a medium size bag

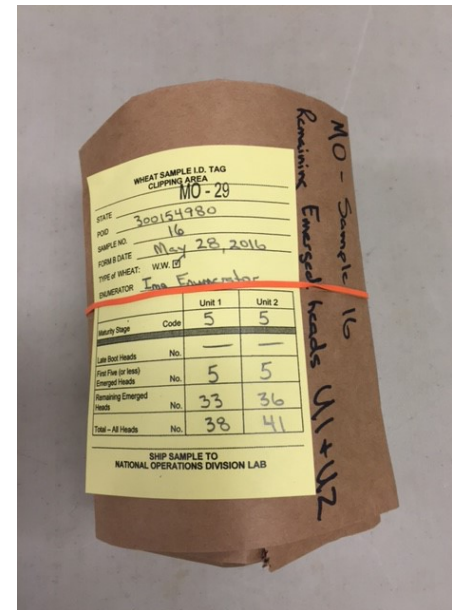
Step 3 -- MOW remaining stalks up to the half-way mark. Examine each stalk and determine which ones are emerged heads and late boot heads. CLIP the stalks 1/2 inch below the emerged head or at base of top foliage leaf for late boot heads. Place the remaining emerged heads in a large bag and the late boot heads in a medium bag.

Step 4 -- Record the count of the remaining emerged heads and the late boot heads on the YELLOW I.D. tag.

Repeat steps 1 through 4 for Unit 2 using same bags for emerged heads and late boot heads as used in Unit 1.
 Prepare one I.D. tag. Label all bags with sample number. Seal and place the small and medium size bags in the large bag. Seal large bag. Verify and date YELLOW I.D. tag and attach to outside of large bag using one rubber band.

Preferred Packaging – Clip Area

Clip area – Maturity Stage 3, 4 and 5, **one set of bags for both units**





Yellow ID Tag vs Form B

Project Code 101 QID 120031 A-1 W OMB No. 0535-0088 Approval Expires 3/31/0023

USDA **FORM B** **NATIONAL AGRICULTURAL STATISTICS SERVICE**
WINTER WHEAT YIELD COUNTS

Date: May 26, 2023

1. Has operator applied pesticides with organophosphorus content to the sample field?
☐ Yes ☐ No
If YES, enter latest application date _____ and name of pesticide _____

UNIT LOCATION

2. Number of paces along edge of field _____ UNIT 1 + 30 UNIT 2
3. Number of paces into field _____ UNIT 1 + 30 UNIT 2

4. UNIT LOCATION CODE _____ UNIT 1 305 UNIT 2 307
1 First visit to lay out unit
2 Unit relocated this month
3 Sample unit laid out previously
Enter Code _____
When unit is Coded 3, go to item 6; otherwise go to item 5.

5. ROW SPACE MEASUREMENTS
a. Measure distance from stalks in Row 1 to stalks in Row 5 _____ Feet & Tenths UNIT 1 301 UNIT 2 303

6. STAGE OF MATURITY: (Circle one code for each unit)

Maturity Stage		PRE-FLAG	FLAG OR EARLY BOOT	LATE BOOT OR FLOWER	MILK	SOFT DOUGH	HARD DOUGH	RIPE	BLANK						
UNIT 1 Count Area	300	1	2	300	3	300	4	300	5	300	6	300	7	300	8
UNIT 2 Count Area	302	1	2	302	3	302	4	302	5	302	6	302	7	302	8

If Unit One Maturity is 1 or 2, start counts with item 7. 3, 4, or 5, start counts with item 8. 6 or 7, start counts with item 8. 8 or 9, start counts with item 8. 6. Substitute Unit Two when both 8. Go to item 10.

COUNTS WITHIN UNITS

UNIT 1			UNIT 2		
Row 1	Row 2	Row 3	Row 1	Row 2	Row 3
311	312	313	314	315	316
351	352	353	354	355	356
331	332	333	334	335	336
341			344		

7. Number of stalks (stems) in row _____
8. Number of heads in LATE BOOT _____
9. a. Number of emerged heads on all stalks _____
b. Number of detached heads in unit _____
(Complete 9b only on Final PRE-HARVEST VISIT)

WHEAT SAMPLE I.D. TAG
CLIPPING AREA

STATE NEBRASKA
POID 887025580
SAMPLE NO. 36
FORM B DATE 5/26
TYPE of WHEAT: W.W. ☒
ENUMERATOR John Smith

	Unit 1	Unit 2
Maturity Stage	Code 3	3
Late Boot Heads	No. 17	18
First Five (or less) Emerged Heads	No. 5	5
Remaining Emerged Heads	No. 10	10
Total - All Heads	No. 32	33

SHIP SAMPLE TO
NATIONAL OPERATIONS DIVISION LAB

Data on lower portion of Yellow ID tag comes from the Clip Area on the back of Form B



Forms & ID Tags Relationship (Clip)

The C-1 form is filled out in the National Laboratory based on the ID tag date. All dates need to match

USDA FORM B WINTER WHEAT YIELD COUNTS 20YY

YEAR	CROP, FORM, MMDD	R/S/D	POID	SAMPLE
714	0 5 2 7	0050	907900520	0002

STATE OK UNIT 1 ROWS UNIT 2 PAGES

WHEAT SAMPLE I.D. TAG CLIPPING AREA

STATE OKLAHOMA
POID 907900520
SAMPLE NO. 43
FORM B DATE 05-27
TYPE OF WHEAT: W.W. (✓)
ENUMERATOR Harris 397

USDA FORM C-1 WINTER WHEAT YIELD SURVEY NATIONAL LABORATORY DETERMINATIONS 20YY

YEAR	CROP, FORM, MMDD	R/S/D	POID	SAMPLE
714	0 5 2 7	0050	907900520	0002

STATE OK



Questionnaire Breakdown

12. Count Area (maturity code = 6 or 7)

12. WITHIN COUNT AREAS -- Clip and Count all heads in count area of BOTH units following steps below.
Use a separate large bag for each unit.

Step 1 -- Clip all heads in Late Boot at base of top foliage leaf in Row 1 - Compare with item 8 count

Step 2 -- Clip all Emerged heads 1/2 inch below head in Row 1 - Compare with item 9a count and place emerged heads in same bag with late boot heads.

Step 3 -- Repeat steps 1 and 2 for Rows 2 and 3. -- Check counts.

Step 4 -- Pick up all Detached Heads on ground in unit counted in item 9b. Place in bag with clipped heads.

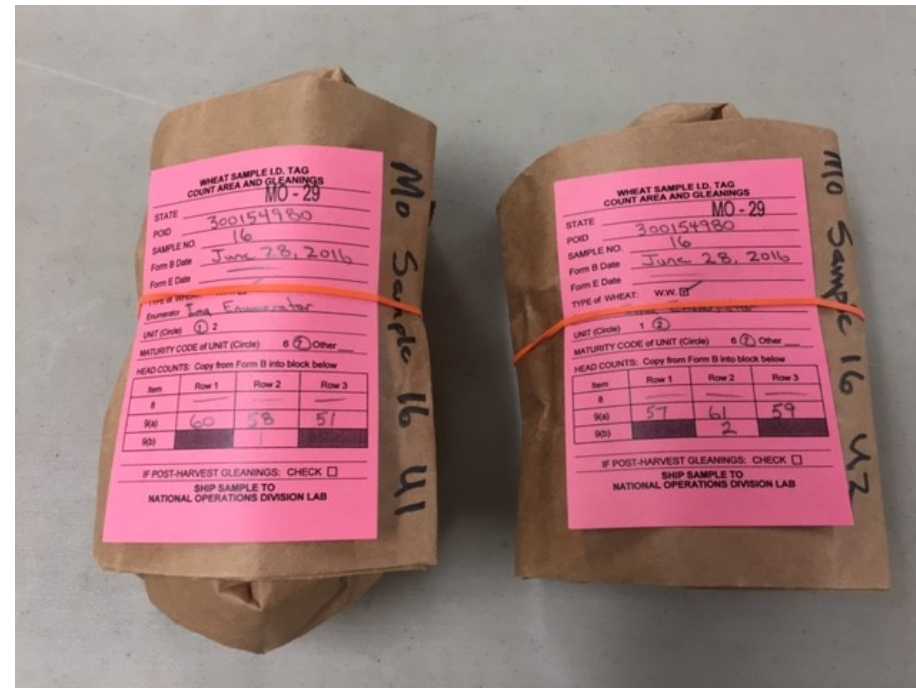
Copy recorded heads from items 8 and 9 of Form B onto PINK I.D. Tags. Date and attach one I.D. Tag to each large bag.

Check here ☐ after placing bags in a Tyvek envelope addressed to NATIONAL LABORATORY

Preferred Packaging Final Pre-Harvest

Count Area –
Maturity Stage 6 & 7,
(Hard Dough & Ripe)

**separate bag for
each unit**





Pink ID tag vs Form B

Project Code 101 QID 120031 A-1 W OMB No. 0535-0088 Approval Expires 3/31/2023

USDA **FORM B** **NATIONAL AGRICULTURAL STATISTICS SERVICE**
WINTER WHEAT YIELD COUNTS

Date: July 5, 2023

1. Has operator applied pesticides with organophosphorus content to the sample field?
☐ Yes ☐ No
If YES, enter latest application date _____ and name of pesticide _____

UNIT LOCATION

2. Number of paces along edge of field. UNIT 1 + 30 UNIT 2 + 30

3. Number of paces into field. UNIT 1 + 30 UNIT 2 + 30

4. UNIT LOCATION CODE: 1 First visit to lay out unit 2 Unit relocated this month 3 Sample unit laid out previously Enter Code UNIT 1 305 UNIT 2 307

When unit is Coded 3, go to item 6; otherwise go to item 5.

5. ROW SPACE MEASUREMENTS
a. Measure distance from stalks in Row 1 to stalks in Row 5. UNIT 1 Feet & Tenths 301 UNIT 2 303

6. STAGE OF MATURITY: (Circle one code for each unit)

MATURITY STAGE

	PRE-FLAG	FLAG OR EARLY BOOT	LATE BOOT OR FLOWER	MILK	SOFT DOUGH	HARD DOUGH	RIPE	BLANK
UNIT 1 Count Area	300	300	300	300	300	300	300	300
UNIT 2 Count Area	302	302	302	302	302	302	302	302

If Unit One Maturity is 1 or 2, start counts with item 7. 3, 4, or 5, start counts with item 8. 6 or 7, start counts with item 8. 6. Substitute Unit Two when both 8. Go to item 10.

COUNTS WITHIN UNITS

	Row 1	Row 2	Row 3	Row 1	Row 2	Row 3
7. Number of stalks (stems) in row	311	312	313	314	315	316
8. Number of heads in LATE BOOT	351	352	353	354	355	356
9. a. Number of emerged heads on all stalks	331	332	333	334	335	336
b. Number of detached heads in unit	341			344		

(Complete 9b only on Final PRE-HARVEST VISIT)

WHEAT SAMPLE I.D. TAG
COUNT AREA AND GLEANINGS

STATE NEBRASKA

POID 887625580

SAMPLE NO. 30

Form B Date 7/05

Form E Date _____

TYPE of WHEAT: W.W. ☒

Enumerator John Smith 20007

UNIT (Circle) ① 2

MATURITY CODE of UNIT (Circle) 6 ⑦ Other _____

HEAD COUNTS: Copy from Form B into block below

Item	Row 1	Row 2	Row 3
8	—	—	—
9(a)	<u>50</u>	<u>55</u>	<u>53</u>
9(b)			

IF POST-HARVEST GLEANINGS: CHECK ☐

SHIP SAMPLE TO
NATIONAL OPERATIONS DIVISION LAB



Forms & ID Tags Relationship (Preharvest)

USDA FORM B WINTER WHEAT YIELD COUNTS 20YY

YEAR	CROP, FORM, MMDD	R/S/D	POID	SAMPLE
714	0 5 2 7	0050	907900520	0002

STATE OK

UNIT 1 ROWS PACES

UNIT 2

WHEAT SAMPLE I.D. TAG COUNT AREA AND GLEANINGS

STATE	KANSAS
POID	907900520
SAMPLE NO.	2
Form B Date	05-27
Form E Date	

USDA FORM C-1 WINTER WHEAT YIELD SURVEY NATIONAL LABORATORY DETERMINATIONS 20YY

YEAR	CROP, FORM, MMDD	R/S/D	POID	SAMPLE
714	0 5 2 7	0050	907900520	0002

STATE OK



Questionnaire Breakdown

13. Supervisor assistance

13. Did a supervisor assist you in working this sample? ☐ YES ☒ NO

ENUMERATOR: John Doe

UPS Tracking Number: 1307214W8796147549
(For samples sent to National Laboratory)

Enumerator Number	390 <u>20999</u>
Supervisor Number	391 <u>20888</u>
Evaluation	393



- Add comments about unusual situations
 - For example, frost damage, special drill spacing, unit located in poor wheat, unit located in excellent wheat, drill skips, etc.
- UPS Tracking Number needs to be put into CAPI Form B too



Shipping to St Louis Note

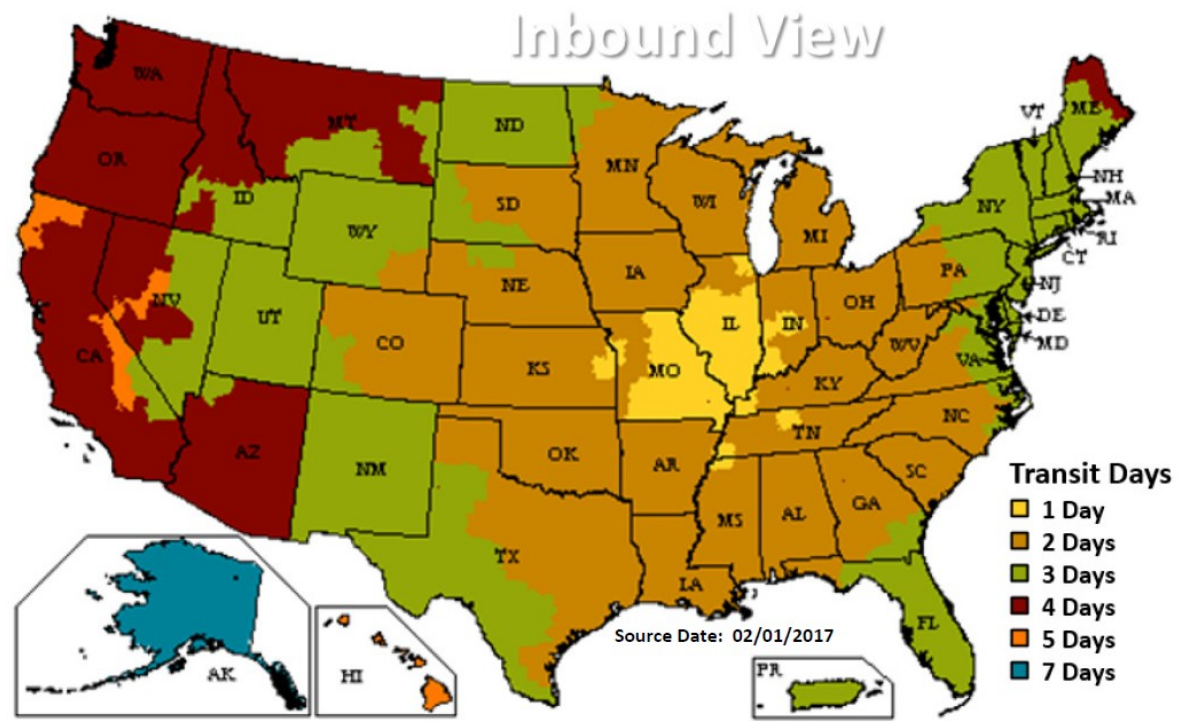
- The labels only have a blue banner printed on them
- Next day air delivery

UPS Preferred Packaging to Lab



- **NO** Staples
- **NO** Duct Tape
- **NO** Wrapping of any sort
- One or two rubber bands is sufficient
- One strip of packing tape is sufficient over seal if needed

UPS inbound Transit Days to NOD





Friendly Reminders

- ✓ Never take iPad into the field
- ✓ Unit location code 3 is used when the sample unit was laid out **and** counted previously
- ✓ When in doubt about maturity stage, always go lower
- ✓ A wheat head is either late boot (#8) **or** emerged (#9), it cannot be counted as both
- ✓ Clip stalks ½ inch below the head
- ✓ Use same bags for both units and **YELLOW** tags when clipping the clip areas
- ✓ Use separate bags for each unit & **PINK** tags when clipping count area for final pre-harvest
- ✓ Sample ID tags should be placed on the outside of paper bags with one rubber band
- ✓ Use **Blue striped** UPS labels to ship to the National Lab in St. Louis, Missouri



United States Department of Agriculture
National Agricultural Statistics Service



CAPI Form B

Winter Wheat Yield Counts on the iPad





CAPI: Form B

- Form B available for data entry in CAPI
- **Never take iPad into fields**
 - Complete Form B on paper in the field
 - Enter data into CAPI while at field to review work and save a trip in case of data errors
(OR)
 - Enter data into CAPI when safely at home, organized and cooler
 - Submit in CAPI the same day data is entered.



CAPI: Form B

- CAPI will be available from the 1st day of data collection through the second day of the month
- Enumerators should promptly enter data into CAPI Production
 - Exception would be Final Pre-Harvest sample outside of survey period
 - If outside of survey period, hold paper questionnaire and enter when next survey period starts



CAPi: WOY Assignment Listing

?

INF	CMT	COF	MAP	ST		C	Sub		OP DOM		SEQ. NUM		DCMS		Name
FORM B WHEAT YIELD COUNTS - WINTER WHEAT OY JULY 2018-07-01 (101)															
<input type="checkbox"/>					48	117	887036200*	1	1	0	10	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	887036200*	1	2	0	11	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	887036200*	1	3	0	12	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	887036200*	1	4	0	13	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	887036200*	1	5	0	14	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	887036200*	1	6	0	15	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	887036200*	1	7	0	16	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	937023070*	1	1	0	30	420	DOE FARMS INC	JOHN DOE	
<input type="checkbox"/>					48	117	937023070*	1	2	0	31	420	DOE FARMS INC	JOHN DOE	

Survey Date
(will change each month)

SEQ. NUM = Sample #






CAPI: Form B Edit

- WOY CAPI uses the new Survey Designer to apply edits to prevent submission without required items being completed.
 - CAPI Edits
 - Missing field work date
 - Status code missing
 - Conditional edits built into the form to find errors
 - Unit location, row space measurement, maturity code, etc.



CAPi: Field Work Date

**United States Department of Agriculture**
National Agricultural Statistics Service

Sections <

INTRODUCTION ✓

FIELD WORK DATE

PESTICIDES

UNIT LOCATION

COUNTS WITHIN UNITS

ENUMERATOR

FIELD WORK DATE

Please respond to continue.

Please Select The Sample Fieldwork Date:

* Required Field

Month

MM ▼

* Required Field

Day

DD ▼



CAPL: Status Code

**Status Code=1 Only for
Maturity Codes 1-5**

**Status Code=4 Only for
Maturity Codes 6 &7, or blank**

Status Code=7 Refusal from Form A




Status Code Definitions:

- WOY Reference Book
- IM Pages 704-707

The screenshot displays the USDA National Agricultural Statistics Service CAPL interface. At the top, the USDA and Agriculture Counts logos are visible alongside the text 'United States Department of Agriculture National Agricultural Statistics Service'. A sidebar on the left lists sections: INTRODUCTION, FIELD WORK DATE (highlighted in red), PESTICIDES, UNIT LOCATION, COUNTS WITHIN UNITS, and ENUMERATOR. The main content area shows the 'FIELD WORK DATE' section with a prompt 'Select a Status Code' and a dropdown menu labeled '380 STATUS CODE'. A red checkmark is visible next to the dropdown menu.



CAP: Pesticides



United States Department of Agriculture
National Agricultural Statistics Service

Help ?

Sections

<

INTRODUCTION

✓

FIELD WORK DATE

✓

PESTICIDES

UNIT LOCATION

COUNTS WITHIN UNITS

ENUMERATOR

PESTICIDES

FORM B WHEAT YIELD COUNTS - WINTER WHEAT OY-MAY

Has operator applied pesticides with organophosphorus content to the sample field?

☒ Yes ☐ No

If yes, enter the date and name of pesticide.

Latest Application Date	Name of Pesticide
04/01/2020	Thimet



CAPL: Unit Location

Sections	<
INTRODUCTION	✓
FIELD WORK DATE	✓
PESTICIDES	✓
UNIT LOCATION	
COUNTS WITHIN UNITS	
ENUMERATOR	

UNIT LOCATION

Unit Location

Number of paces along edge of field

UNIT 1	100	+ 30	UNIT 2	130
--------	-----	------	--------	-----

Number of paces into field

UNIT 1	50	+ 30	UNIT 2	80
--------	----	------	--------	----



CAPi: Row Space Measurement

Sections

INTRODUCTION

FIELD WORK DATE

PESTICIDES

UNIT LOCATION

COUNTS WITHIN UNITS

ENUMERATOR

UNIT LOCATION

Please respond to continue.

Unit Location Code

Please Select the Code below:

UNIT 1

* Required Field

Select Unit 1 Location Code

Measure distance from stalks in Row 1 to stalks in Row 5

UNIT 1

* Required Field

Feet & Tenths

Please Select the Code below:

UNIT 2

* Required Field

Select Unit 2 Location Code

Measure distance from stalks in Row 1 to stalks in Row 5

UNIT 2

* Required Field

Feet & Tenths



CAPL: Counts for Maturity 1-2

Sections

INTRODUCTION

FIELD WORK DATE

PESTICIDES

UNIT LOCATION

COUNTS WITHIN UNITS

ENUMERATOR

COUNTS WITHIN UNITS

FORM B WHEAT YI

Counts within Units

Select one code for each unit.

UNIT 1 Count Area

1-PRE-FLAG

7. Number of stalks (stems) in row

Row 1	Row 2	Row 3
311 UNIT 1	312 UNIT 1	313 UNIT 1

8. Number of heads in LATE BOOT

Row 1	Row 2	Row 3
351 UNIT 1	352 UNIT 1	353 UNIT 1

9a. Number of emerged heads on all stalks

Row 1	Row 2	Row 3
331 UNIT 1	332 UNIT 1	333 UNIT 1

9b. Number of detached heads in unit

Row 2

341 UNIT 1



CAPL: Counts for Maturity 3-7

Sections

<

INTRODUCTION

✓

FIELD WORK DATE

✓

PESTICIDES

✓

UNIT LOCATION

✓

COUNTS WITHIN UNITS

ENUMERATOR

✓

COUNTS WITHIN UNITS

Counts within Units

Select one code for each unit.

UNIT 1 Count Area

3-LATE BOOT OR FLOWER

8. Number of heads in LATE BOOT

Row 1	Row 2	Row 3
351 UNIT 1	352 UNIT 1	353 UNIT 1

9a. Number of emerged heads on all stalks

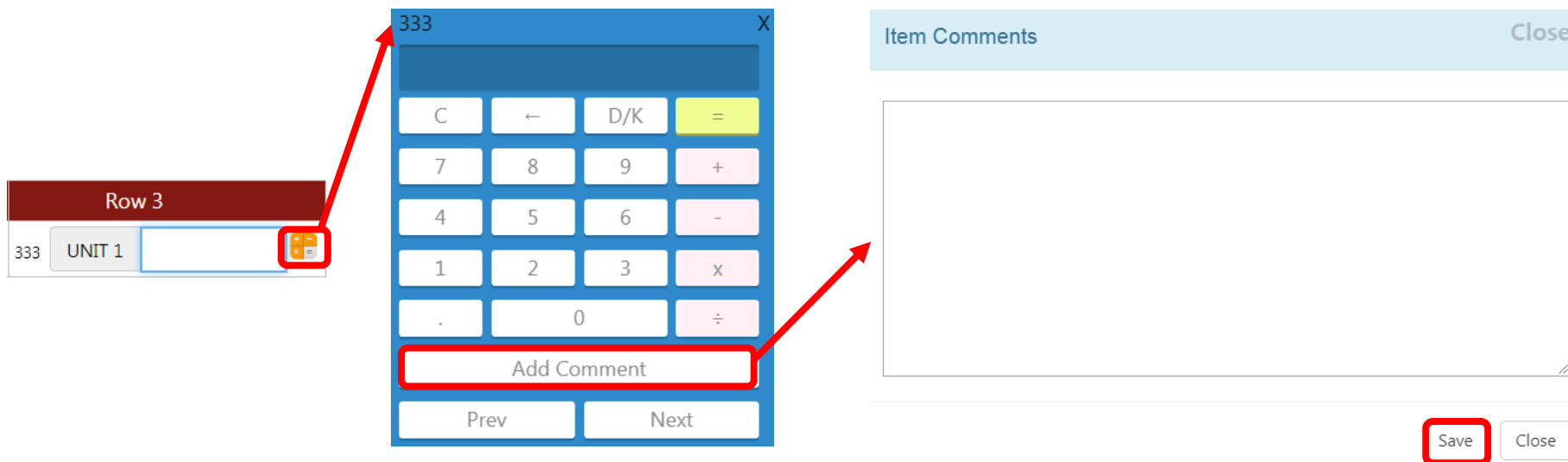
Row 1	Row 2	Row 3
331 UNIT 1	332 UNIT 1	333 UNIT 1

9b. Number of detached heads in unit


Row 2
341 UNIT 1

CAPI: Item Level Comments

- Item Code Level Comments



Row 3

333	UNIT 1	
-----	--------	---

333

C

←

D/K

=

7

8

9

+

4

5

6

-

1

2

3

x

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0

÷

Add Comment

Prev

Next

Item Comments

Close

Save

Close



CAPI: Enumerator Information

Sections	<
INTRODUCTION	✓
FIELD WORK DATE	✓
PESTICIDES	✓
UNIT LOCATION	✓
COUNTS WITHIN UNITS	✓
ENUMERATOR	

ENUMERATOR

Did a supervisor assist you in working this sample?

☐ Yes ☐ No

Enumerator Number	Supervisor Number
390 <input type="text"/>	391 <input type="text"/>

UPS Tracking Number:



CAPi: UPS Tracking Number

13. Did a supervisor assist you in working this sample? ☐ YES ☐ NO

ENUMERATOR: _____

UPS Tracking Number: 1307214208796147549
(For samples sent to National Laboratory)

Enumerator Number	390
Supervisor Number	391
Evaluation	393



Did a supervisor assist you in working this sample?

☐ Yes ☐ No

Enumerator Number	Supervisor Number
390	391

UPS Tracking Number:



CAPI Response Coding

Sections

INTRODUCTION

FIELD WORK DATE

PESTICIDES

UNIT LOCATION

COUNTS WITHIN UNITS

ENUMERATOR

ENUMERATOR

Response:

Completed

Respondent:

Other

Responded By (Enter respondent's name, if not the operator):

Respondent Mode:

Face-To-Face on iPad

Enumerator:

9998 98271

PREVIOUS

NEXT

Required Coding:
Response: **Completed**
Respondent: **Other**
Mode: **Face-To-Face on iPad**

Enumerator ID is autocoded



United States Department of Agriculture
National Agricultural Statistics Service



Wheat Objective Yield

Sample Packaging Standards for Lab

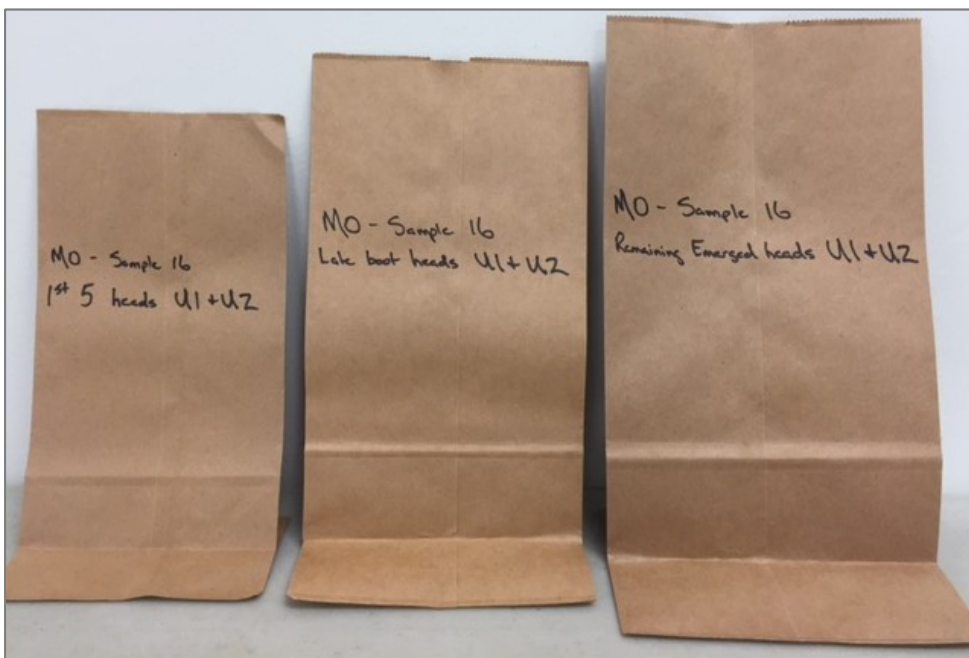
Clippings, Final Pre-Harvest & Gleanings

Sample Packaging Standards – Clippings

- Clip Area Samples – Maturity Codes 3, 4, and 5
 - Late Boot, Milk and Soft Dough stages
 - **STEMS MUST BE CUT TO ½ INCH**
 - The clip samples from both units should be combined within one set of paper bags
 - Small Bag – First 5 heads from both units
 - Medium Bag – Late boot heads from both units
 - Large Bag – Remaining emerged heads from both units
 - Crop ID Tag (YELLOW)
 - Ensure all information is **CORRECTLY** filled out on ID Tag
 - STATE, POID, SAMPLE NUMBER, DATE, MATURITY CODE, HEAD COUNTS
 - Attach to **OUTSIDE** of bag, using one rubber band (**NO STAPLES**)

Sample Packaging Standards – Clippings

- Clip Area Samples – Maturity Codes 3, 4, and 5



WHEAT SAMPLE I.D. TAG
CLIPPING AREA

MO - 29

STATE 300154980

POD 16

SAMPLE NO. May 28, 2016

FORM B DATE

TYPE OF WHEAT: W.W. ☒

ENUMERATOR Ima Enumerator

	Unit 1	Unit 2
Maturity Stage	Code 5	5
Late Boot Heads	No. —	—
First Five (or less) Emerged Heads	No. 5	5
Remaining Emerged Heads	No. 33	36
Total - All Heads	No. 38	41

SHIP SAMPLE TO
NATIONAL OPERATIONS DIVISION LAB

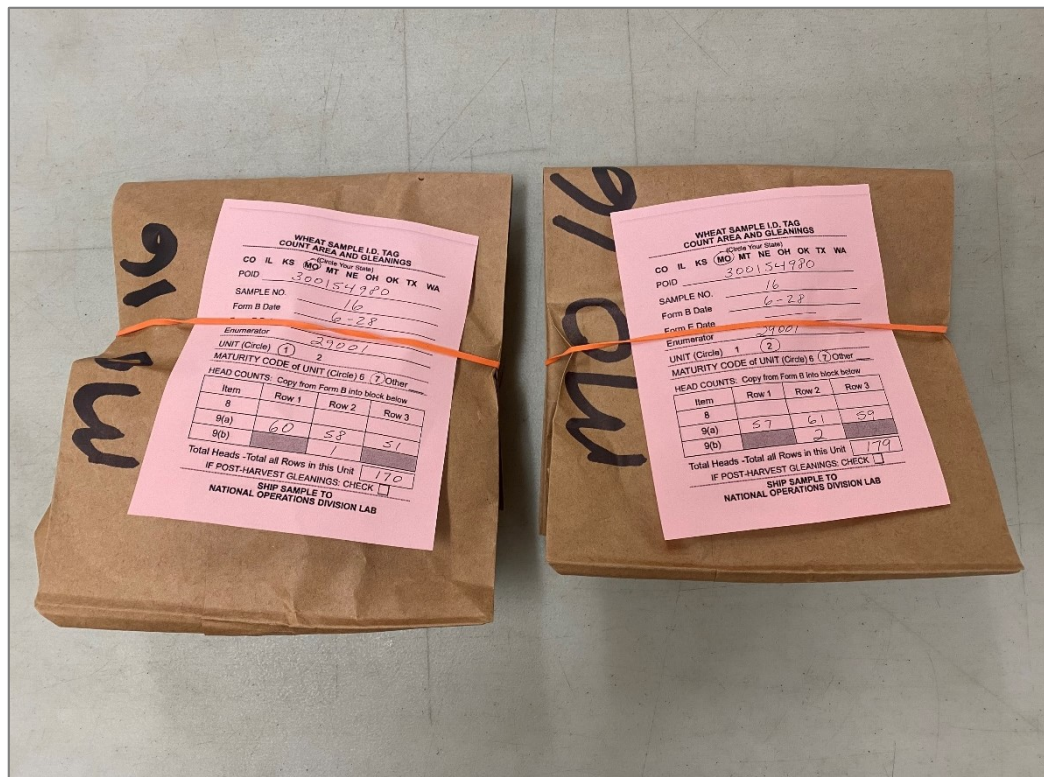
MO - Sample 16
Remaining Emerged heads U1+U2

Sample Packaging Standards – Final Pre-Harvest

- Count Area Samples – Maturity Codes 6 and 7
 - Hard Dough and Ripe stages
 - **STEMS MUST BE CUT TO ½ INCH**
 - Heads bagged **SEPARATELY** for Units 1 and 2
 - **PLEASE COUNT WHEAT HEADS ACCURATELY**
 - Crop ID Tags (PINK – ONE ID TAG PER UNIT)
 - Ensure all information is **CORRECTLY** filled out on each ID Tag
 - STATE, POID, SAMPLE NUMBER, DATE, MATURITY CODE, UNIT, HEAD COUNTS
 - Total the Heads for each unit.
 - Attach to **OUTSIDE** of each bag, using one rubber band per bag (**NO STAPLES**)
 - When only one unit is harvested, include the second ID Tag explaining the status of the missing unit

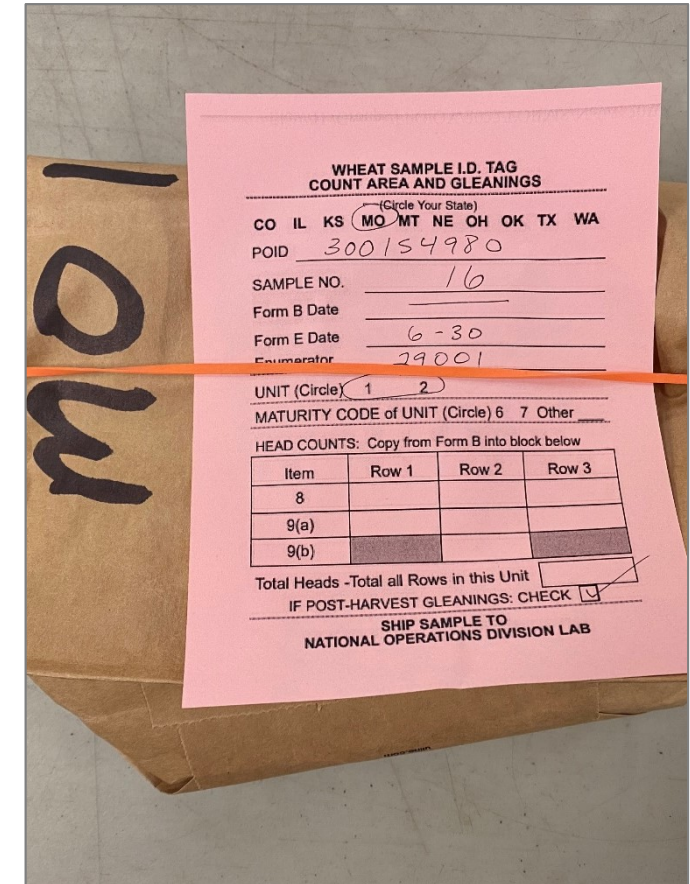
Sample Packaging Standards – Final Pre-Harvest

- Count Area Samples – Maturity Codes 6 and 7



Sample Packaging Standards - Gleanings

- Gleaning Samples
 - Remove as much debris as possible
 - Do not send dirt, mud, sticks, rocks, etc.
 - Check Gleanings box on ID Tag
 - Place ID Tag on the **OUTSIDE** of the paper bag, using one rubber band
 - Ship E Form in Tyvek with sample
 - **DO NOT SHIP THE E FORM SEPARATELY**



**WHEAT SAMPLE I.D. TAG
COUNT AREA AND GLEANINGS**

(Circle Your State)

CO IL KS MO MT NE OH OK TX WA

POID 300154980

SAMPLE NO. 16

Form B Date _____

Form E Date 6-30

Enumerator 29001

UNIT (Circle) 1 2

MATURITY CODE of UNIT (Circle) 6 7 Other _____

HEAD COUNTS: Copy from Form B into block below

Item	Row 1	Row 2	Row 3
8			
9(a)			
9(b)			

Total Heads - Total all Rows in this Unit ☐

IF POST-HARVEST GLEANINGS: CHECK ☒

SHIP SAMPLE TO
NATIONAL OPERATIONS DIVISION LAB

White Tyvek Envelopes for Shipping



- **NO tape**
- **NO staples**
- **NO wrapping of any sort**
- **One sample per Tyvek**



Common Problems at the Lab

- Missing Maturity Codes
- Missing Form B Date
- Missing Sample Numbers on ID Tag
- Stems not clipped to ½ inch
- ID Tags placed inside bags



UPS Shipping

- All samples will be shipped to the NOD for processing
- Ship lab samples promptly upon completion of field work
- **SHIP EARLY AND OFTEN! DO NOT HOLD SAMPLES!**



United States Department of Agriculture
National Agricultural Statistics Service



FORM E: Winter Wheat Yield Survey Post-Harvesting Gleanings








Post Harvest Gleaning Samples

Purpose is to collect harvest loss information

- Harvest loss from weather, wind, birds, combine, etc.
- Done within **three** days of harvest, preferably the same day of harvest
- Collected for samples that their sample numbers are divisible by 4
 - (4, 8, 12, 16, 20, 24, 28, 32,)



Form E: Post Harvest Gleaning Form

Project Code 101 QID 120031E-W		OMB No. 0535-0088: Approval Expires 7/31/2019											
	FORM E WINTER WHEAT YIELD SURVEY POST-HARVEST GLEANINGS 2023		 NATIONAL AGRICULTURAL STATISTICS SERVICE										
<table border="1"><thead><tr><th>YEAR, CROP, FORM, MMDD</th><th>R/S/D</th><th>POID</th><th>SAMPLE</th><th>STATE</th></tr></thead><tbody><tr><td>3 17 <u>7</u> <u>0</u> <u>6</u></td><td>1201</td><td>300660430</td><td>0064</td><td>KS</td></tr></tbody></table>				YEAR, CROP, FORM, MMDD	R/S/D	POID	SAMPLE	STATE	3 17 <u>7</u> <u>0</u> <u>6</u>	1201	300660430	0064	KS
YEAR, CROP, FORM, MMDD	R/S/D	POID	SAMPLE	STATE									
3 17 <u>7</u> <u>0</u> <u>6</u>	1201	300660430	0064	KS									
 20300660430010100289700003040390			<table border="1"><thead><tr><th>UNIT 1</th><th>UNIT 2</th></tr></thead><tbody><tr><td>ROWS</td><td>ROWS</td></tr><tr><td>PACES</td><td>PACES</td></tr></tbody></table>	UNIT 1	UNIT 2	ROWS	ROWS	PACES	PACES				
UNIT 1	UNIT 2												
ROWS	ROWS												
PACES	PACES												
Date: <u>July 6, 2023</u>													
NOTE: The post-harvest field gleanings should be completed as soon after harvest as possible, and must be done within 3 days after harvest. If the sample field has been plowed, disked, or pastured since harvest, select an alternate field for gleaning if one is available in the tract or nearby field (in the sample operation) for list frame sample(s).													



Form E: Laying out the Gleaning Unit

- Basically it is the same as the laying out the count area, only add 5 more steps
- You will have a 5 foot buffer zone to the **right** of your yardstick
- At the beginning of the buffer zone measure the distance from the center of row 1 to the center of row 5



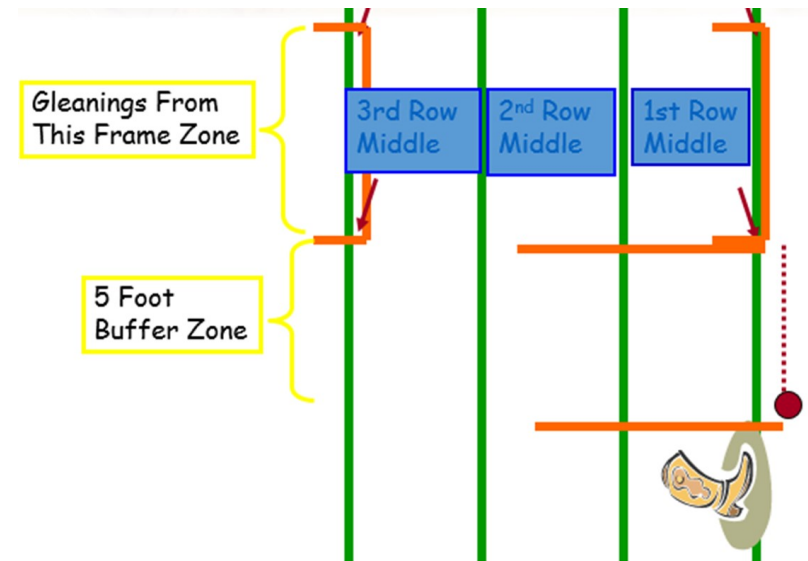
Form E: Paces

UNIT LOCATION <i>(Diagram on reverse side)</i>		UNIT 1	UNIT 2
1. Number of paces along edge of field		162 + 5	192 + 5
2. Number of paces into field		239 + 5	269 + 5
3. Measure distance from stalks in Row 1 to stalks in Row 5	Feet and Tenths	704 3.4	705 3.3

- Add 5 paces to original paces along edge and into the field for both units
- Record all distances in feet and tenths of feet

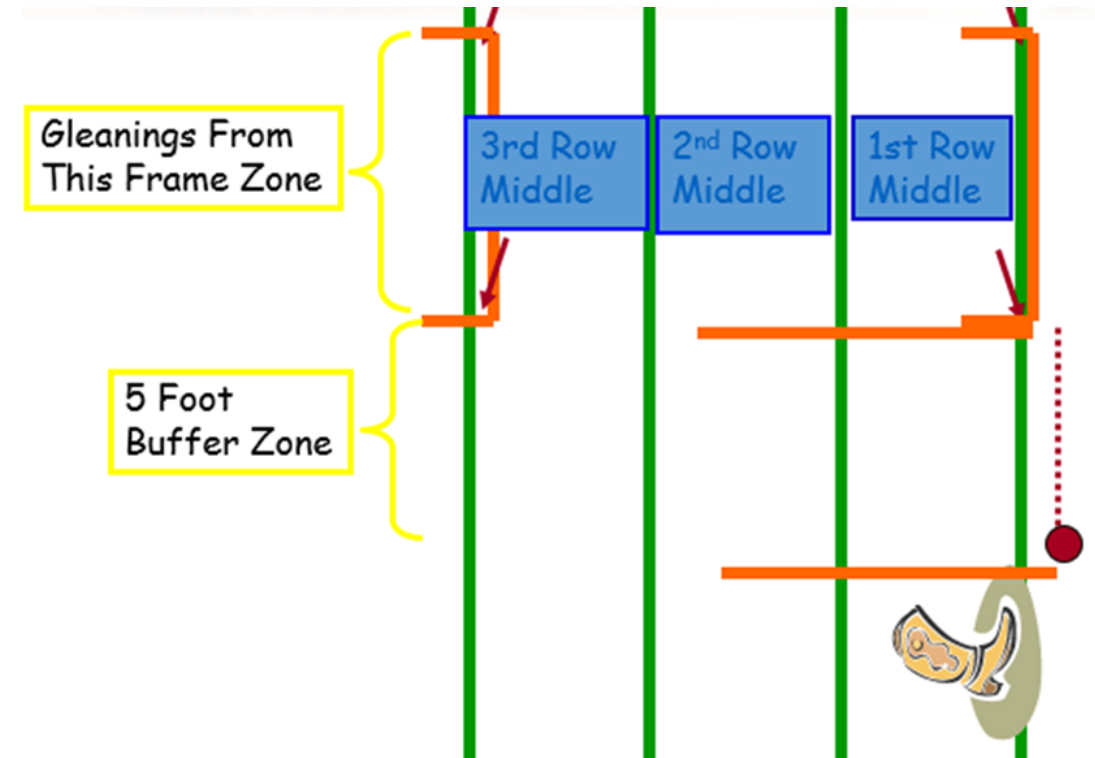
Laying out the Gleaning Unit

- Measure the 5 foot buffer zone and insert a red stake in the stubble of row 1
- Reposition the yardstick to cross four drill rows
- Insert the frame so the back of the frame is parallel to the row and the inside corner of the left tine touching the stake
- Insert a stake touching the corner of the right tine



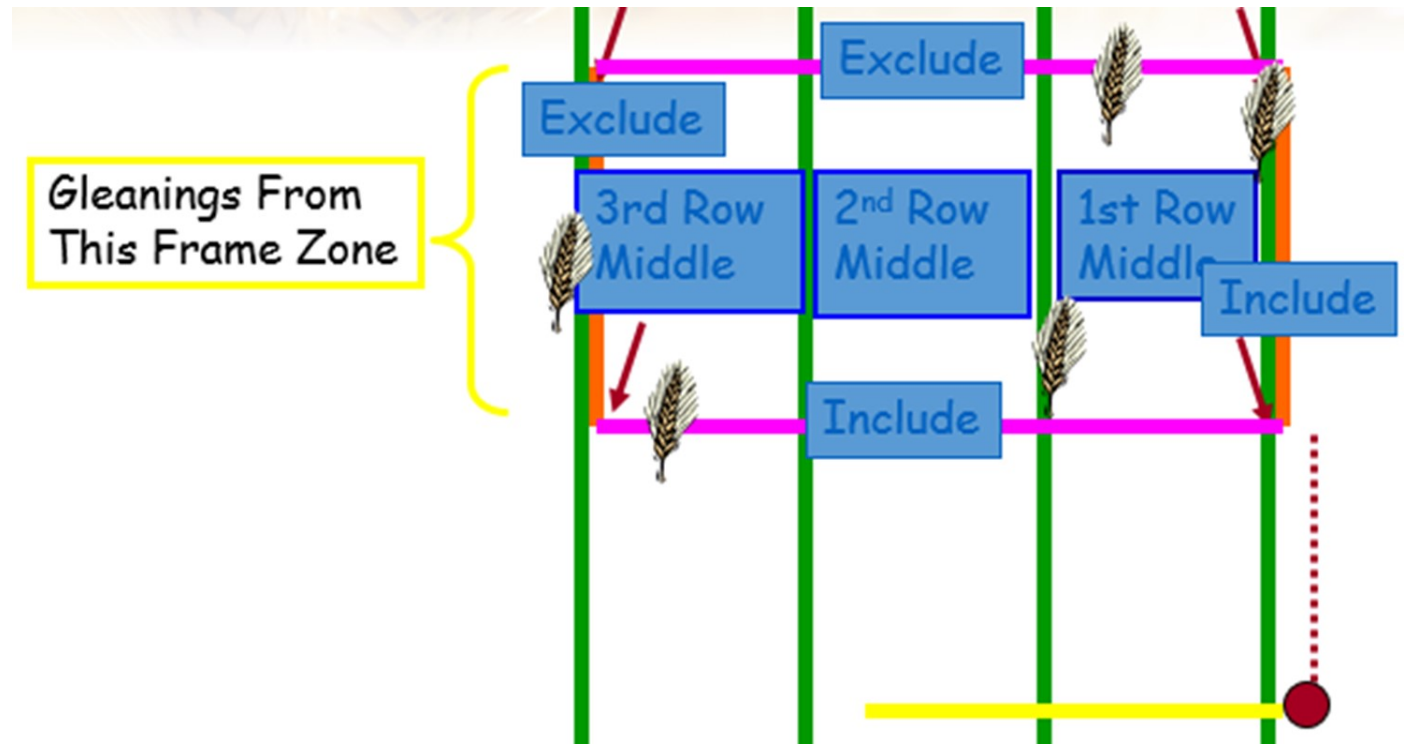
Laying out the Gleaning Unit

- In row 4, insert the frame so that the **stubble of row 4 is excluded**
- Place two red stakes touching the corners of the left and right tines
- Connect all four stakes with ribbon so three drill rows and three middles will be included and row 4 stubble will be excluded.



Pick up Loose Grain & Heads

- Pick up attached stalks, detached stalks, heads, and loose grains within the boundaries
- **INCLUDE** the items above that are on the **two starting corner boundaries**
- **EXCLUDE** everything that are on the two remaining boundaries





- Remove as much debris as possible
- One bag for both units
- Check Gleanings box on Pink ID Card
- Include Form E in the Tyvek Envelope

WHEAT SAMPLE I.D. TAG
COUNT AREA AND GLEANINGS

STATE MO-29

POID 300154980

SAMPLE NO. 16

Form B Date _____

Form E Date June 30, 2016

TYPE OF WHEAT: W/W ☐ _____
_____ Emmer

UNIT (Circle) ① ②

MATURITY CODE OF UNIT (Circle) 6 7 Other _____

HEAD COUNTS: Copy from Form B into block below

Item	Row 1	Row 2	Row 3
8			
9(a)			
9(b)			

IF POST-HARVEST GLEANINGS, CHECK ☒

SHIP SAMPLE TO
NATIONAL OPERATIONS DIVISION LAB

MO Sample 16 Glean



Form E: Completed

GLEANINGS (Place all gleanings from both units in one paper bag.)

4. **PICK UP IN BOTH UNITS--**

a. All unthreshed whole heads	<input checked="" type="checkbox"/>
b. All partly threshed heads	<input checked="" type="checkbox"/>
c. All loose wheat grains	

5. Was an alternate field used for making post-harvest observations?

☐ YES — (Indicate in Field Notes) ☒ NO

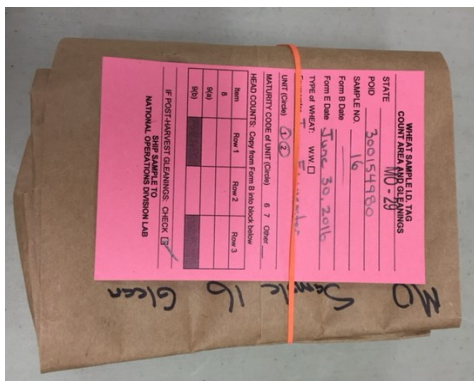
FIELD NOTES: If post-harvest observations cannot be made, give reasons here.

6. Did a supervisor assist you in working this sample? ☐ YES ☒ NO

80 grains = 1 bu of loss

Both Units = One Paper Bag

- Put all gleaning for both units in the same paper bag (go easy on the taping)
- Complete the pink ID tag and attach to paper bag with a rubber band





Need Matching Dates

**WHEAT SAMPLE I.D. TAG
COUNT AREA AND GLEANINGS**

STATE KANSAS

POID 300660430

SAMPLE NO. 104

Form B Date 7/2/2023

Form E Date 7/6/2023

TYPE of WHEAT _____

Enumerator _____

UNIT (Circle) (1) (2)

MATURITY CODE of UNIT (Circle) 6 7 Other _____

HEAD COUNTS: Copy from Form B into block below

Item	Row 1	Row 2	Row 3
8			
9(a)			
9(b)			


IF POST-HARVEST GLEANINGS: CHECK ☒

SHIP SAMPLE TO
NATIONAL OPERATIONS DIVISION LAB

Project Code 101 QID 120031E-WW OMB No. 0635-0088 Approval Expires 7/31/2019

USDA **FORM E WINTER WHEAT YIELD SURVEY
POST-HARVEST GLEANINGS** **2023** **NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

YEAR, CROP, FORM, MMDD R/S/D POID SAMPLE STATE
17 0 7 0 6 1201 300660430 0064 KS


20300660430010100289700003040390

UNIT 1 UNIT 2
ROWS PACES

Date: July 6, 2023

NOTE: The post-harvest field gleanings should be completed as soon after harvest as possible, and must be done within 3 days after harvest. If the sample field has been plowed, disked, or pastured since harvest, select an alternate field for gleaning if one is available in the tract or nearby field (in the sample operation) for list frame sample(s).

UNIT LOCATION (Diagram on reverse side)

	UNIT 1	UNIT 2
1. Number of paces along edge of field	+ 5	+ 5
2. Number of paces into field	+ 5	+ 5
3. Measure distance from stalks in Row 1 to stalks in Row 5	704	705

Feet and Tenths

GLEANINGS (Place all gleanings from both units in one paper bag.)

4. PICK UP IN BOTH UNITS-- a. All unthreshed whole heads b. All partly threshed heads c. All loose wheat grains

CHECK EACH BOX AS COMPLETED

5. Was an alternate field used for making post-harvest observations?
☐ YES — (Indicate in Field Notes) ☐ NO

FIELD NOTES: If post-harvest observations cannot be made, give reasons here.

6. Did a supervisor assist you in working this sample? ☐ YES ☐ NO

NOTE: Ship this Form E to the National Lab in the bag with the gleanings.

Attach completed ID tag to the paper bag(s) containing gleanings and place bag(s) and this Form E in a Tyvek envelope.

ENUMERATOR: _____

Enumerator Number 790
Supervisor Number 791
STATUS CODE 780



Form E: Completed

NOTE: Ship this Form E to the National Lab in the bag with the gleanings.	Enumerator Number	790 31999
Attach completed ID tag to the paper bag(s) containing gleanings and place bag(s) and this Form E in a Tyvek envelope.	Supervisor Number	791 31888
ENUMERATOR: John Doe	STATUS CODE	780 1

- Ships to Saint Louis, Missouri the location of National Lab
- The Form E also gets shipped to Saint Louis, not Lincoln



UPS Procedures

- Use a **BLUE STRIPE** UPS label to ship to the National Lab
- Place E form and paper bag in a Tyvek envelope
- Attach a **BLUE STRIPE** UPS label and record the tracking number on the backup recording sheet
- UPS shipping via home pickup or official drop off location
 - Home Pickup Phone Number (800) 742-5877
 - Home Pickup requires planning ahead for the next day, not same day pick up



United States Department of Agriculture
National Agricultural Statistics Service



Due Dates and Shipping Review





Due Dates

KANSAS

Survey Date	Field Work Begins	Forms to be Completed	Field Work Ends	Last Day to Enter Form B in CAPI
May 1	April 24	All A forms** Even B forms	May 1	May 2
June 1	May 25	Remaining A forms All B forms	June 1	June 2
July 1	June 24	All B forms	July 1	July 2

**Even A forms are required, but all A's can be completed
Form E must be submitted to the National Lab within 3 days of harvest.

NEBRASKA

Survey Date	Field Work Begins	Forms to be Completed	Field Work Ends	Last Day to Enter Form B in CAPI
June 1	May 25	All A & B forms	June 1	June 2
July 1	June 24	Remaining A forms All B forms	July 1	July 2
August 1	July 25	All remaining forms	August 1	August 2

Form E must be submitted to the National Lab within 3 days of harvest.



Due Dates

- Due dates must be followed
 - Supervisors will be contacted for missing forms
 - Inform supervisors and Lincoln office for special situations
- Always send samples as soon as possible – Do Not Hold
 - Samples & E Forms to St. Louis, MO (UPS Blue Stripped)
 - St. Louis Blues hockey team



Due Dates - continue

- Final Pre-harvest Sample
 - Complete during the regular survey period if maturity code 6 or 7
 - Farmer going to harvest between survey periods?
 - Complete pre-harvest sample no more than 3 days before harvest date
 - Hold Form B until CAPI, for the next month, opens and enter into CAPI
 - Ship sample to St. Louis immediately
- Gleaning
 - Complete within 3 days after farmer harvest
 - E Forms are sent to the Lab with the sample (UPS blue bannered)
 - Follow the packaging instructions



Form A & B

- Form As:
 - Enter into CAPI
- Form Bs:
 - Enter into CAPI
- Form B's outside of monthly data collection timeframe:
 - Hold until CAPI opens next month and enter into CAPI



Shipping

- All samples must be sent the day of or the morning after they are collected
- Good Shipping Procedures
 - Reduce transit time
 - Preserve sample quality
- Remember to include an ID tag for both units
 - If only one unit being shipped, send second loose ID tag with explanation for absence (lost to harvest, not planted, drowned out, blank area, etc.)




Shipping - continued

- Shipped UPS Next Day Air
 - Samples should be taken to an official UPS drop off location or UPS store
 - Also have the option for home pickup
 - See handout - 2023 Objective Yield UPS Procedures
- Record the tracking number for each sample:
 - Form B – paper version & in CAPI
 - Form B is your backup recording sheet

Field Enumerator Reference Sheet

- Covers school topics
- Useful for reminders and instructions
 - Filling out forms
 - Assembling units
 - Special situations
 - Fieldwork and due dates
 - Wheat growth stages (Maturity codes)
 - Form B Status Codes
 - Shipping procedures
 - Manual pages to reference if needed
 - And more!




2023 Wheat Objective Yield
 Field Enumerator Reference Sheet
Project Code 101

Kansas
Sean Fedt (402) 470-8754


Nebraska
Curtis Arnold (402) 470-8779
General Program Manager
 Curtis Arnold (402) 470-8779

Survey reference dates and days of fieldwork can be found on the back page.

- Lab samples and Form E's will be shipped via UPS to the National Lab in St. Louis, MO.
- No Forms will be shipped to Lincoln, NE.



SURVEY PURPOSE:
Field observations and lab samples collected during the Wheat Objective Yield Survey are used in USDA wheat yield forecasts during the crop season.



FORM A AND GRID MAP

- ☒ **Attempt Form A by phone for all samples before attempting any Face-to-Face contact.**
- ☒ Form A greatly simplified to expedite phone calls
- ☒ Explain survey purpose. Obtain permission to lay out the sample unit, make monthly counts, and clip a few heads.
- ☒ Verify name & address. Verify acres of wheat intended TO BE HARVESTED FOR GRAIN. Item 1 (filled in by office) as reported during the March Ag Survey. If incorrect, do not change but PLEASE WRITE DETAILED NOTES.
- ☒ The sample field for operations will be determined based on the field closest or furthest away from farmstead and cardinal or intercardinal direction provided in Form A.
- ☒ For operations with multiple samples, there will be a printed direction. The selected field is the field closest or furthest in the given direction
- ☒ Complete remainder of Form A.

Interviewer's Manual (IM)
Pages 301-306


WHAT IF.....?

Q) A respondent has multiple samples?
 A) You will have multiple Sample Kit Envelopes and multiple Form A's. Complete the first four with the operator. Later, copy the inside of the completed Form A to all of the other Form A's. For example, data for the 5th sample in the field would be copied from the forms for the first sample; the 6th is the same as the 2nd, etc.

Q) The respondent has NO wheat for grain harvest on their ENTIRE farm? (did not plant wheat OR did plant wheat but was/will be grazed out, cut for hay, abandoned, etc.)
 A) Write detailed notes in CAPI for Form A.

Cardinal Directions:
 North (N), East (E), South (S), West (W).

Field Selection examples:
 CNE = Closest NorthEast field
 FS = Furthest South field





Workshop Evaluation

- Please complete the workshop evaluation at the following link:
- <https://tinyurl.com/WOYeval>

