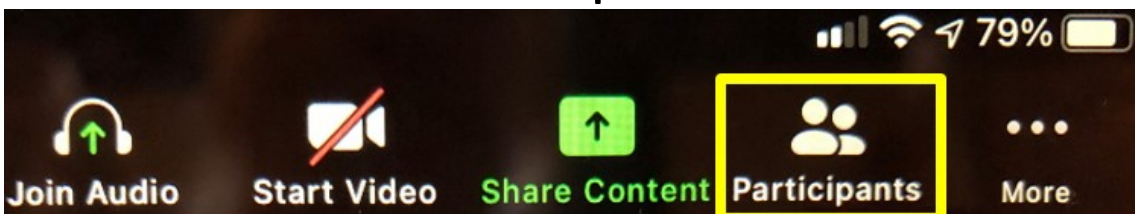
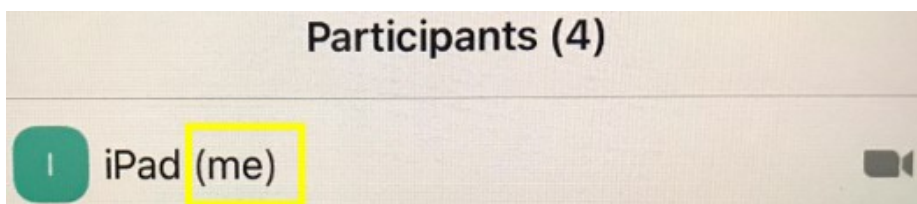


Zoom Instructions – Name

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

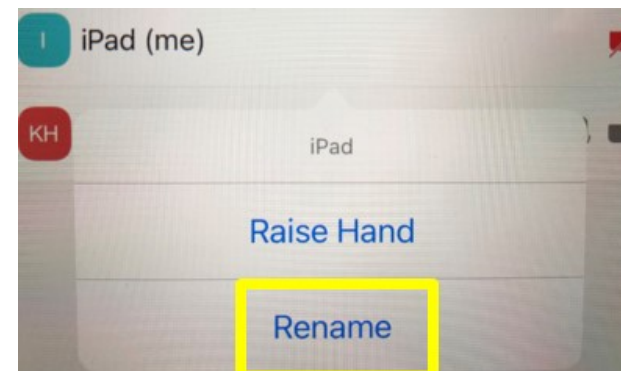


- Your name followed by (me), towards top.

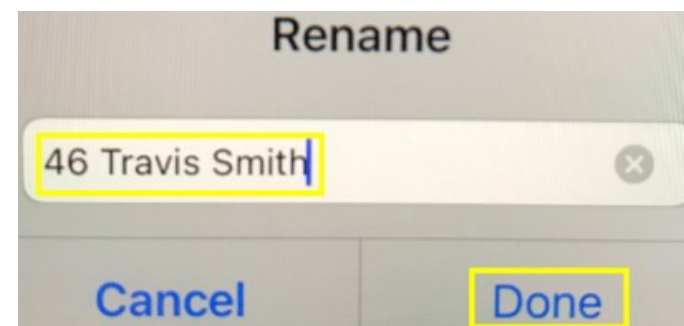


- If your full name is not displayed then click on what is currently being displayed.

- Click on “Rename”

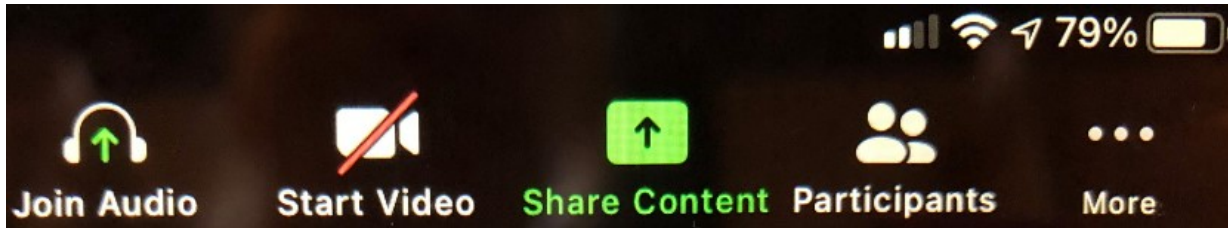


- Type state fips, first & Last name

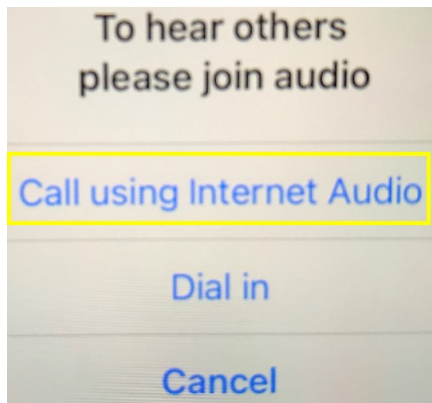


Zoom Instructions - Audio

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

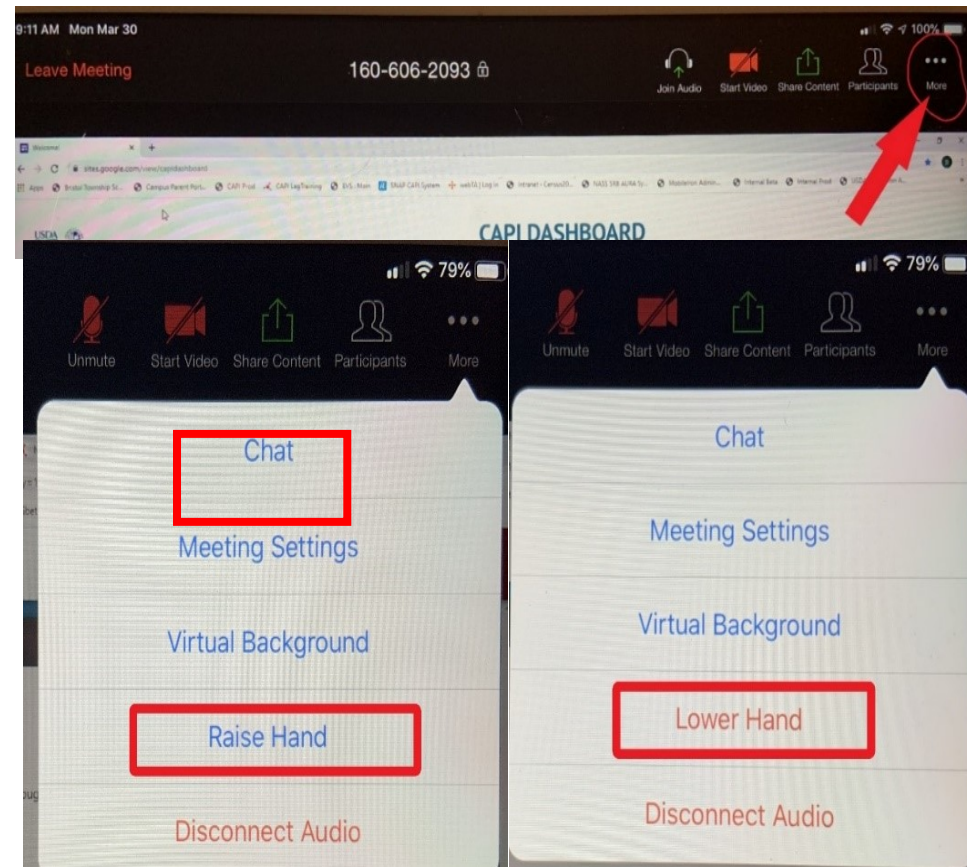


- Click on “Call using Internet Audio” this is the preferred method or if you select “Dial in”, you will be presented with phone numbers to call.



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 16, 2024
10:00 am Central Time





Introductions



- 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 & Kansas WOY Stat
- Evan Swindall– Nebraska WOY Statistician
- Paul Sueper – WOY Group Leader



Management Welcome





State Statistician Comments





Northern Plains Contacts

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Paul Sueper – Group Leader

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Northern Plains Contacts for Wheat

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Evan Swindall – Nebraska Wheat
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Evan.Swindall@usda.gov



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
*If new, should have received equipment as well
3. Bamboo Poles
*If new, yardstick came with bamboo poles



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
- 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
 - Black marker
-
- 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 “Wheat 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.  Copy to 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>

Wheat Objective Yield	
Wheat OY – Unit Location (7 min)	2024 Wheat OY Zoom Evaluation
Wheat OY – Form B (2 min)	Wheat OY – Gleanings
Wheat OY – Crop Maturity (15 min)	Wheat OY – Lab
Wheat OY – Form E (4 min)	Wheat OY – Sample Packaging
Wheat OY – Laying Out a Unit	2024 Wheat OY Interviewer's Manual
2024 Wheat OY Quiz – Google Form	2024 Wheat OY Quiz – Paper Copy



NASDA Administration

- Charge all time and expenses for Wheat OY to Project Code 101
- Mid Year Zoom Workshop
 - Kansas – May 21
 - Nebraska – May 22





United States Department of Agriculture
National Agricultural Statistics Service



Winter Wheat Objective Yield Zoom Meeting

April 16, 2024

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 53% coverage of wheat harvested & 51% 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
 - September Agricultural Production Survey (APS)



Winter Wheat Objective Yield

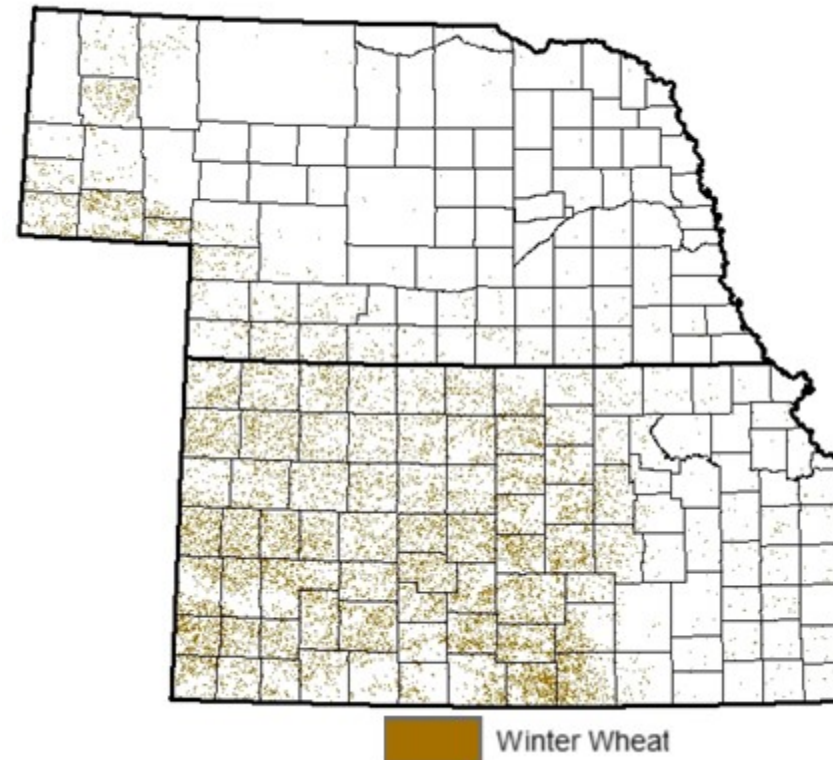
- Each sample field will have two units laid out. This is where the counts and measurements will be done.

- 2 parts to WOY fieldwork
 - Paper Forms
 - Paperwork and then data entered into CAPI
 - Grain - 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 2024 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 8th
- 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
- 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 10th at 11:00 am CT
 - Crop Production Report (forecast)
- June 12th at 11:00 am CT
 - Crop Production Report (forecast)
- July 12th at 11:00 am CT
 - Crop Production Report (forecast)
- August 12th at 11:00 am CT
 - Crop Production Report (forecast)
- September 30th at 11:00 am CT
 - Small Grains Summary (final)



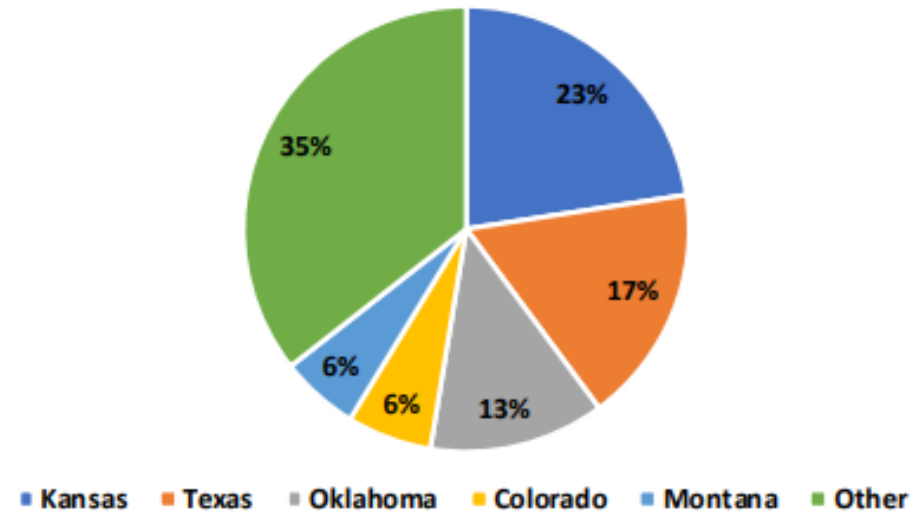


2024 Winter Wheat Planted Acreage

	Planted (1,000 Acres)	
United States	34,135	
% Change from Previous Estimate	↓	0.8
% Change from Previous Season	↓	7.0

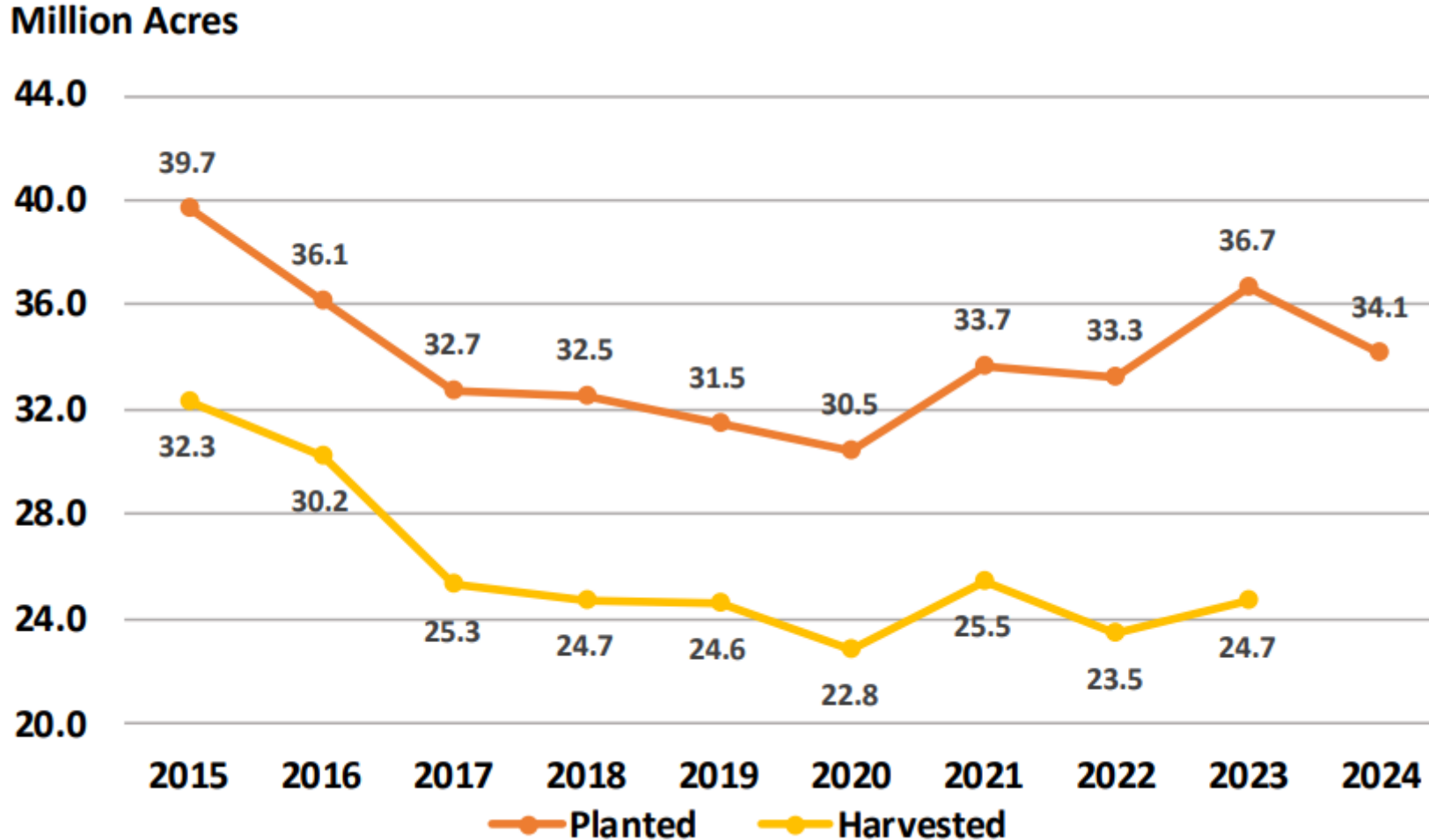
	Top 5 States Planted (1,000 Acres) % Δ PY		
Kansas	7,700	↓	4.9
Texas	5,900	↓	7.8
Oklahoma	4,350	↓	4.4
Colorado	2,100	↓	8.7
Montana	1,950	↑	5.4

2024 Winter Wheat Planted Acres By State



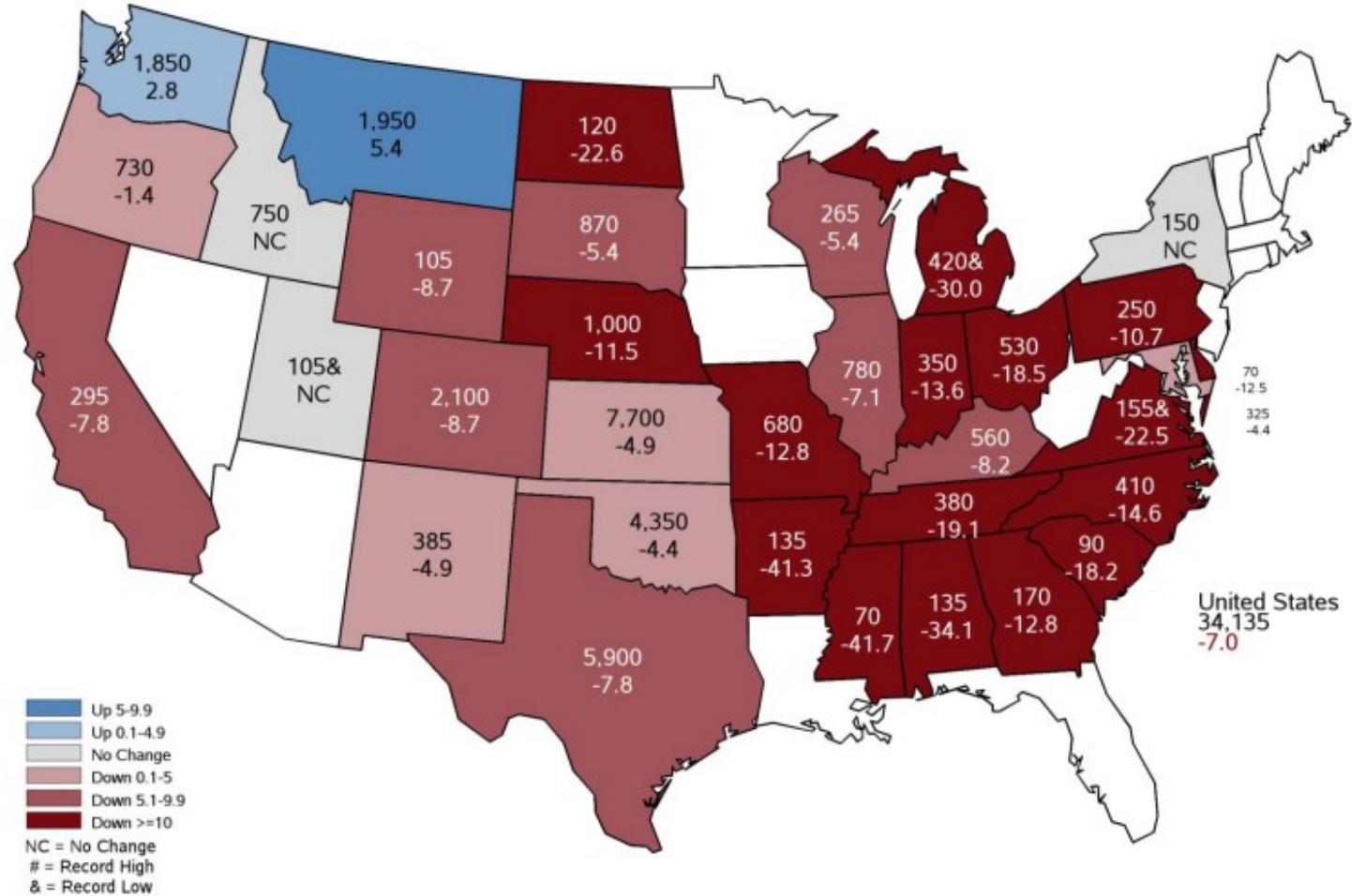


Winter Wheat Planted & Harvested Trend



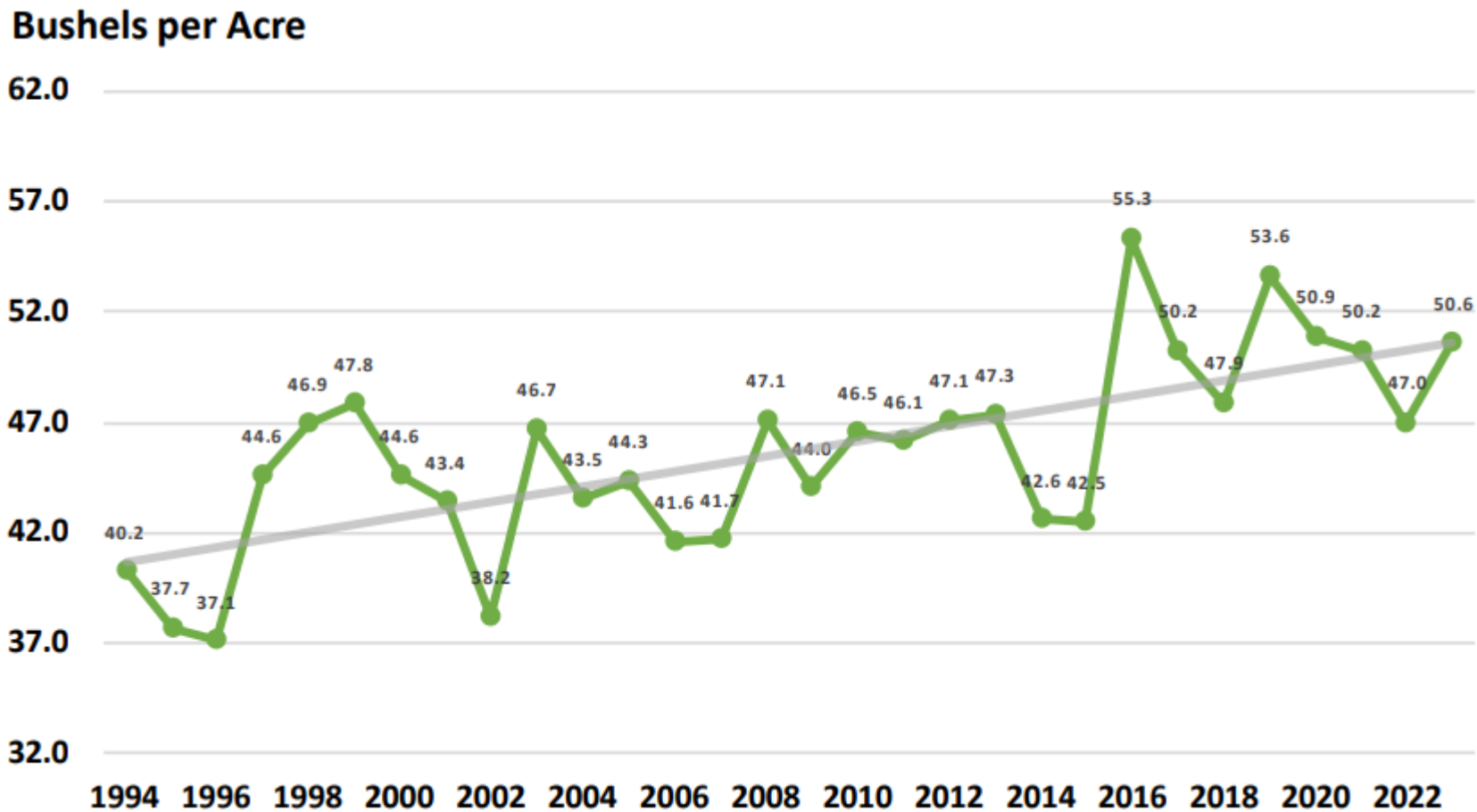


2024 Winter Wheat Acreage Map & Change

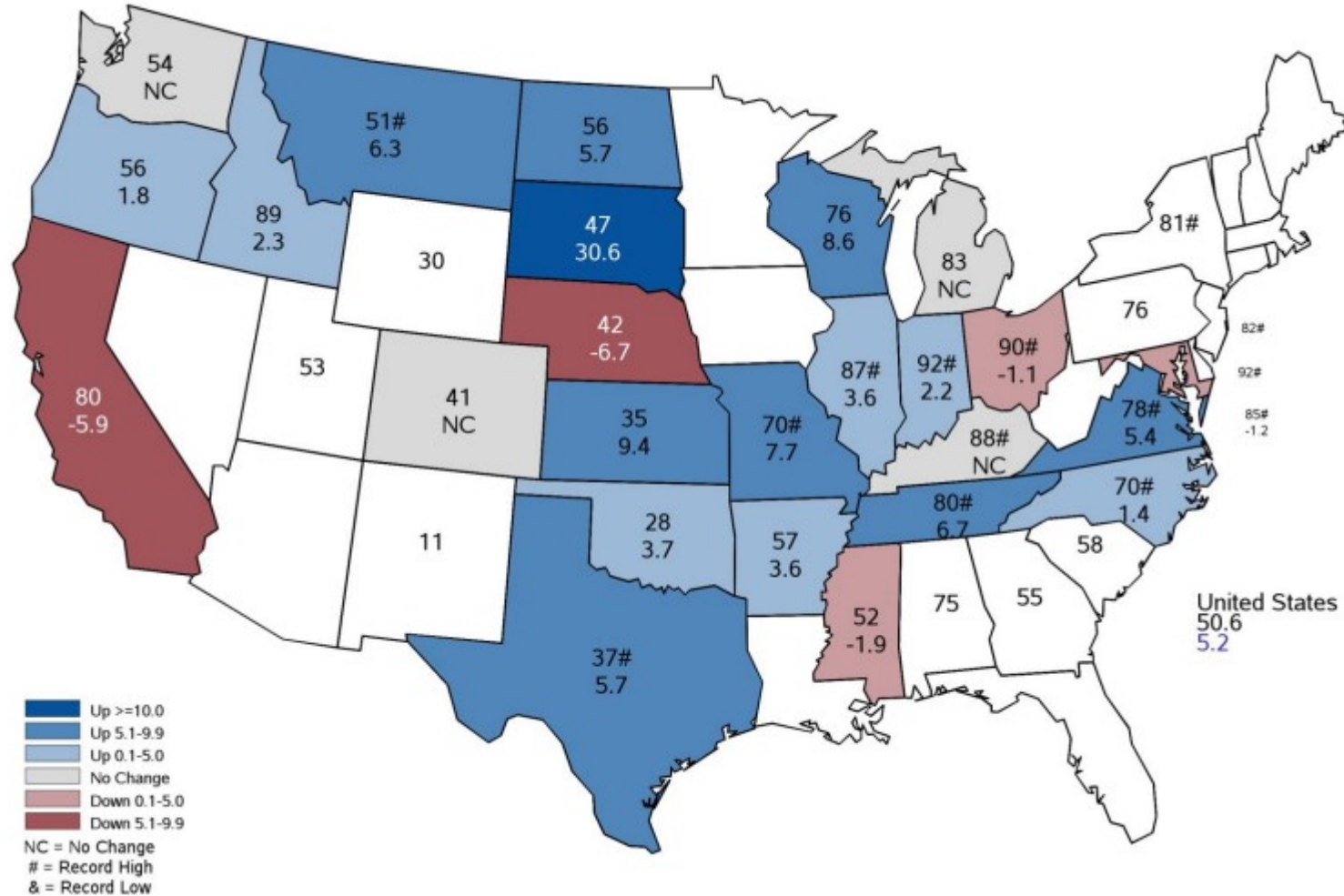




Winter Wheat US Yield Trend



Winter Wheat US Yield Map & Change

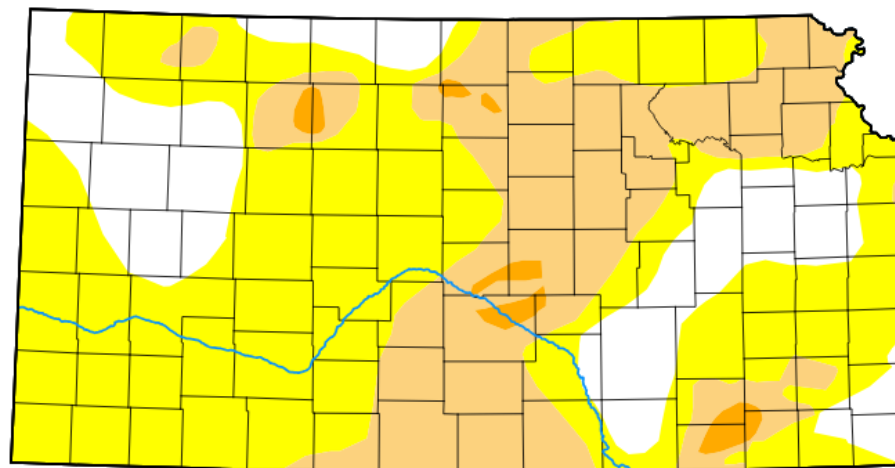


Kansas Drought Monitor Map

As of April 7th, Kansas winter wheat conditions rated:

- 4% percent very poor
- 10% poor
- 37% fair
- 42% good
- 7% excellent

Winter wheat jointed was 30%, ahead of 15% last year and ahead 17% for five-year average.



Map released: Thurs. April 11, 2024

Data valid: April 9, 2024 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Authors

United States and Puerto Rico Author(s):

[Brad Pugh](#), NOAA/CPC

Pacific Islands and Virgin Islands Author(s):

[Anthony Artusa](#), NOAA/NWS/NCEP/CPC

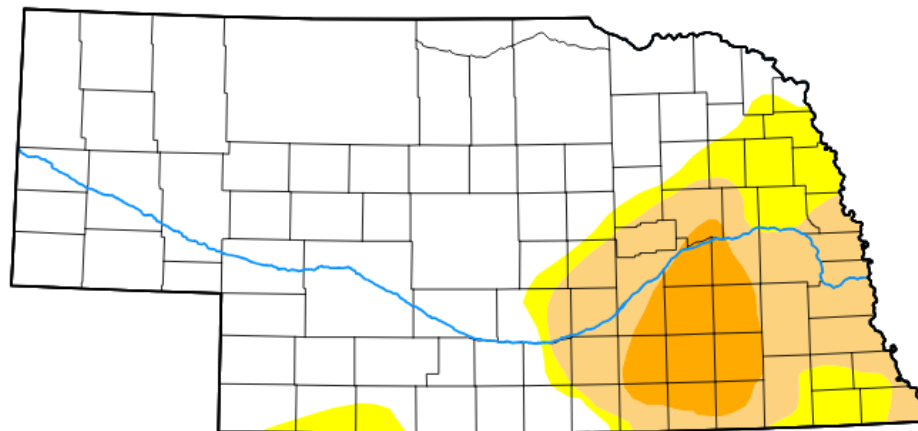
- 27% of the state is experiencing moderate to drought

Nebraska Drought Monitor Map

As of April 7th, Nebraska winter wheat conditions rated:

- 2% percent very poor
- 4% poor
- 26% fair
- 56% good
- 12% excellent

Winter wheat has not started jointing.



Map released: Thurs. April 11, 2024

Data valid: April 9, 2024 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Authors

United States and Puerto Rico Author(s):

[Brad Pugh](#), NOAA/CPC

Pacific Islands and Virgin Islands Author(s):

[Anthony Artusa](#), NOAA/NWS/NCEP/CPC

- 14% of the state is experiencing moderate drought



United States Department of Agriculture
National Agricultural Statistics Service



Form A

Winter Wheat Objective Yield Survey Initial Interview 2024





Form A - 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 on total acres operated 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 – Selecting Sample Field

- 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.
- Sample Field must be intended for grain

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.

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



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)..... 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.

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	80.0			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
- ✓ Stay connected with the operator throughout season about field progress
- ✓ If multiple samples, only 1 sample per field until no more fields available



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

- Field Re-Entry Intervals
 - All Pesticides – 1 Day
 - Organophosphorous Compounds – 3 Days or 72 hours for re-entry
 - 30 Days – Limited to 6 Hours per Day

- Protective Clothing in organophosphorus chemical application
 - Wear a Long Sleeve Shirt
 - Wear Long Pants
 - Wear Head Covering
 - Limit work to a max of 6 hours per day in those fields
 - 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

- 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)



Enumerator Safety

- Enumerator safety is our top priority
 - Please drive safe, stop at stop signs in the county and be aware of your surrounding. During the spring and summer months, farmers are very busy in the fields.
- If you have plant or insect allergies, might be best to carry an anti-histamine, like Benadryl.
- Might be best to wear an insect repellent and apply sunscreen.
- Please be aware of the temperatures when working in the field. Might be best to work in early mornings or late evenings. I would bring along a water jug and wear a hat.



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

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

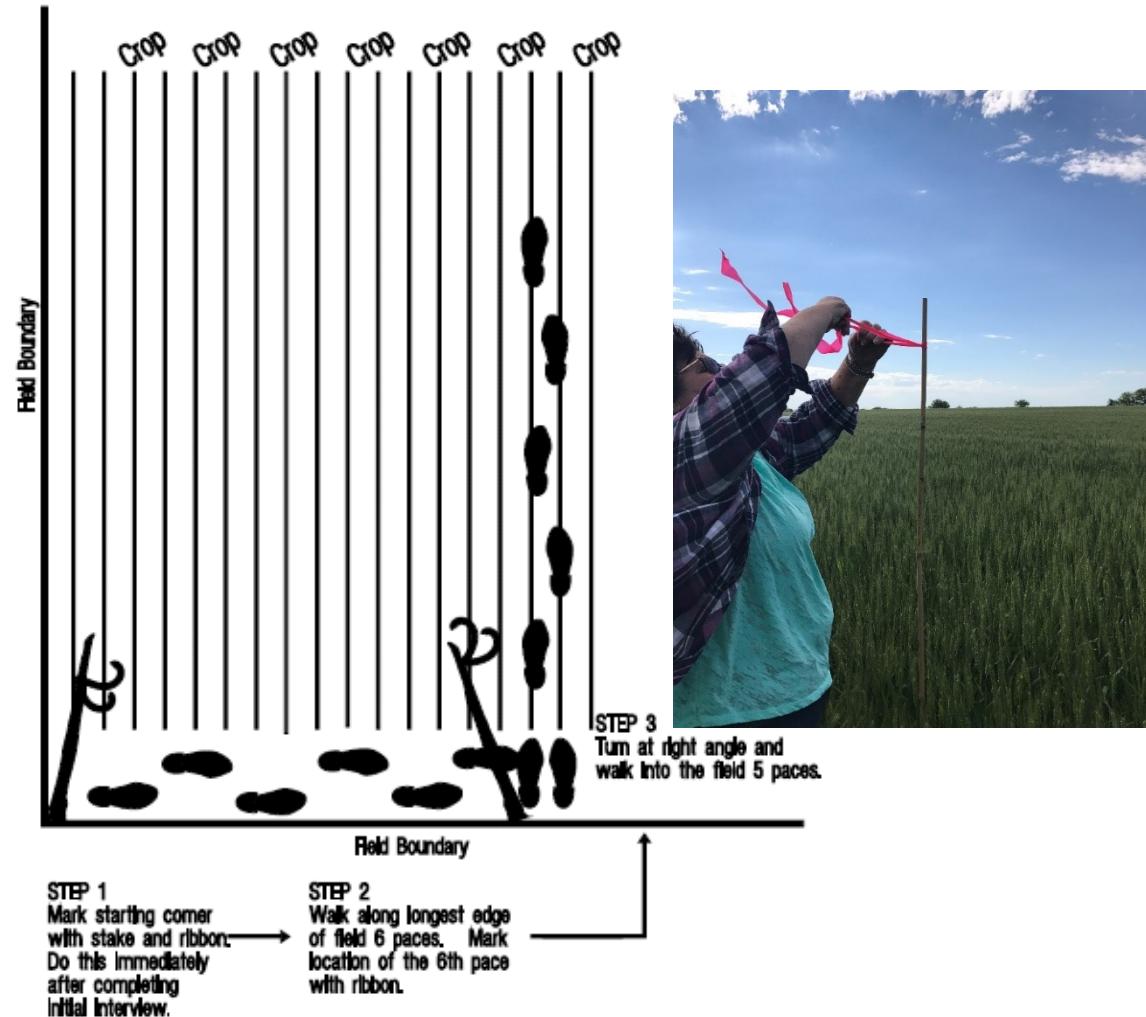


Figure 1.

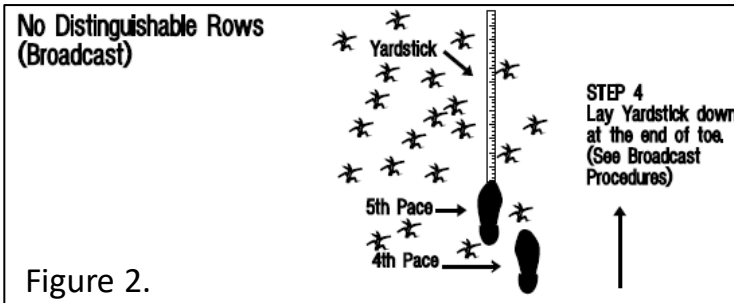
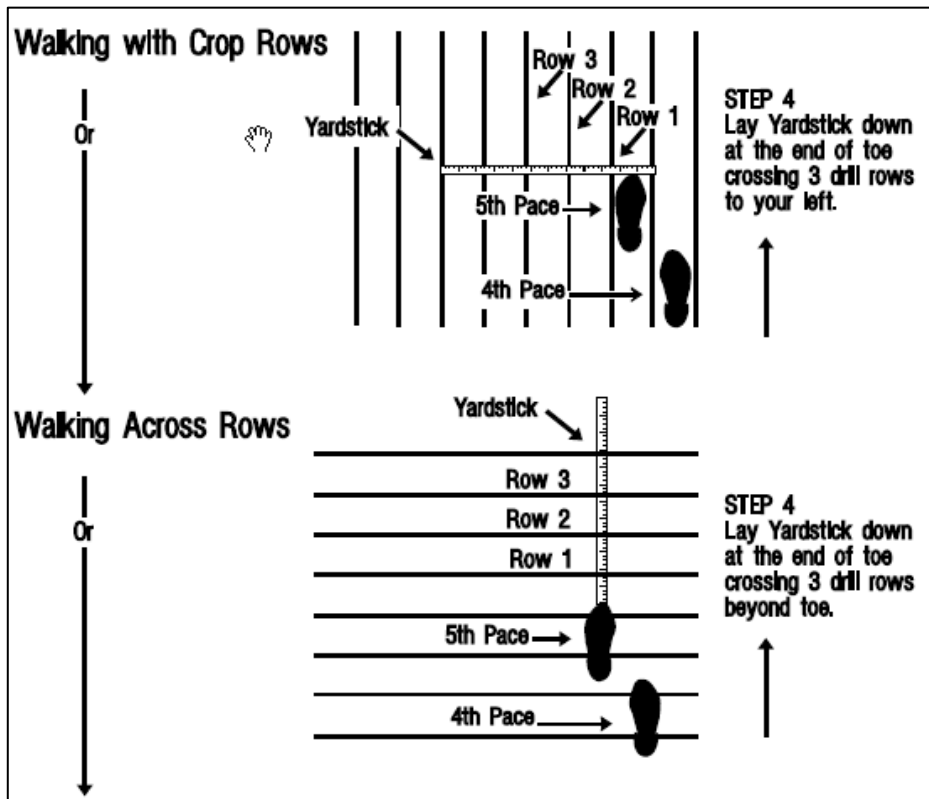
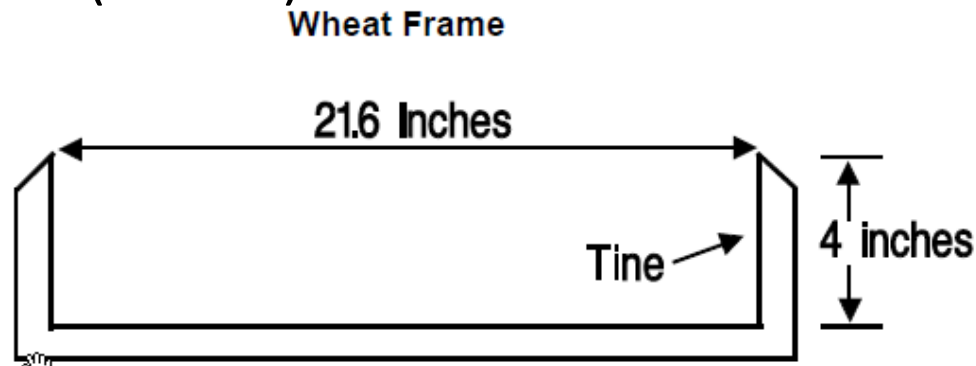


Figure 2.

- 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)



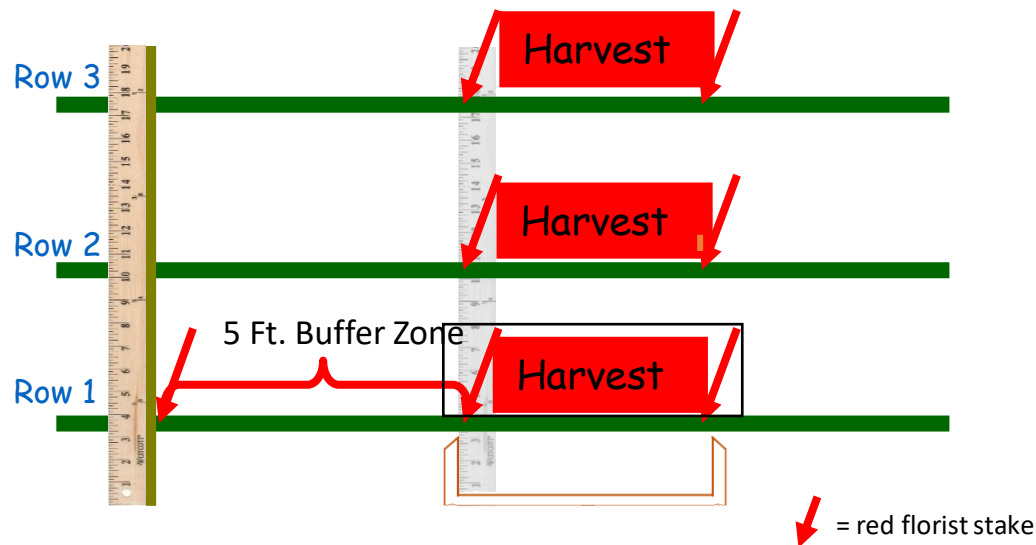
Labeling Units

- 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)



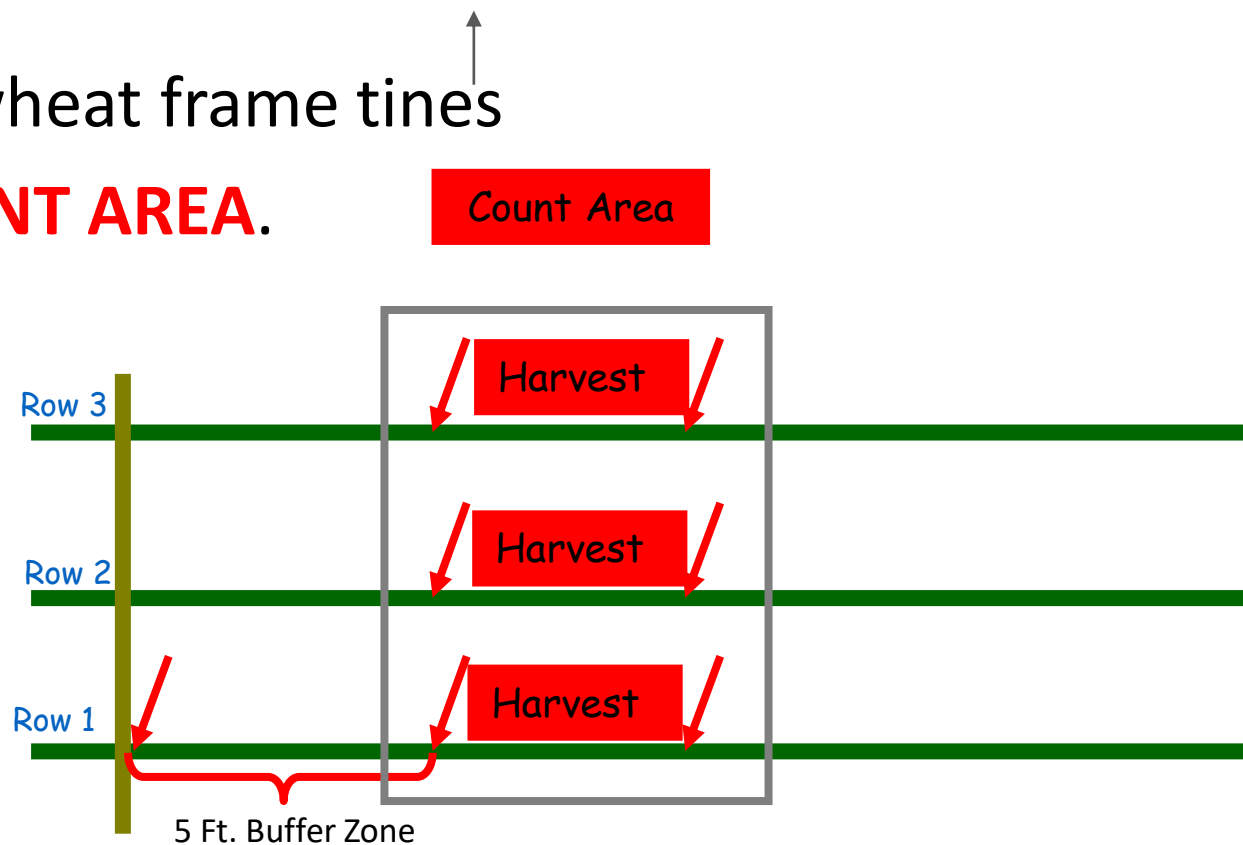
Laying Out Unit 1 – Count Area

- 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



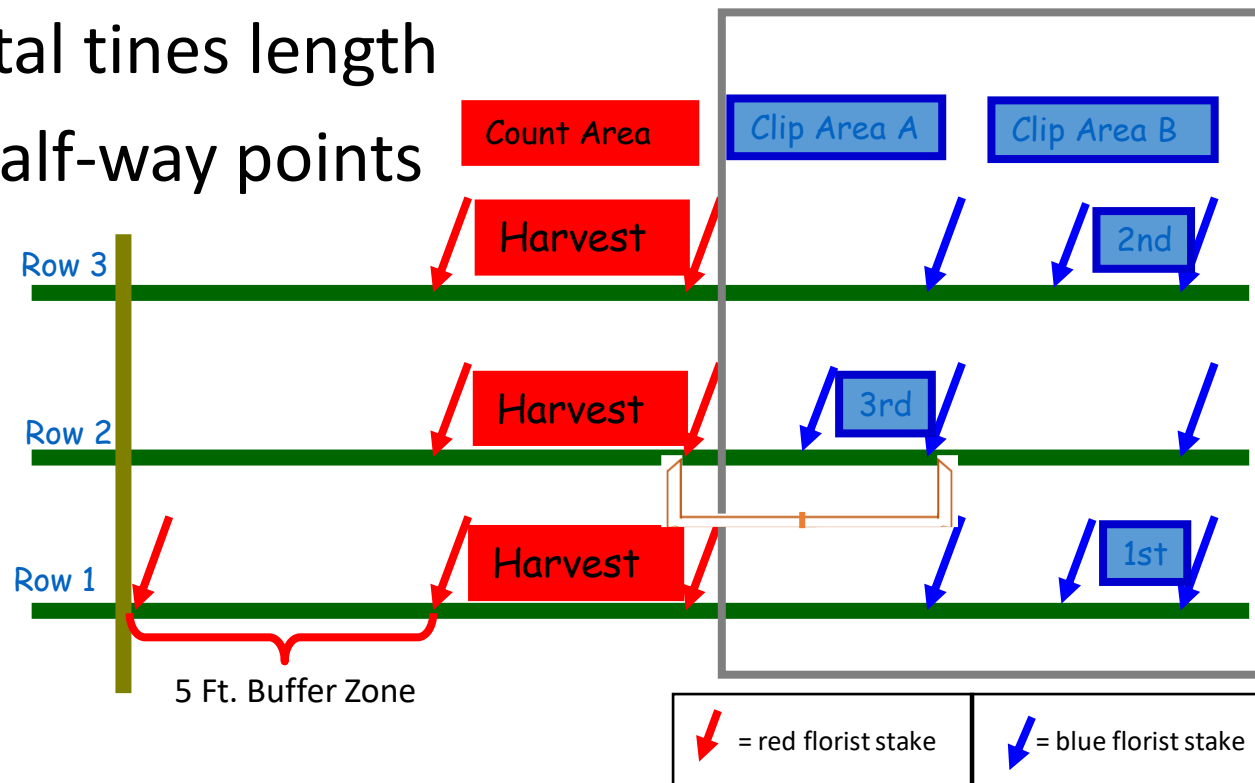
Count vs Clip Area

- **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**.

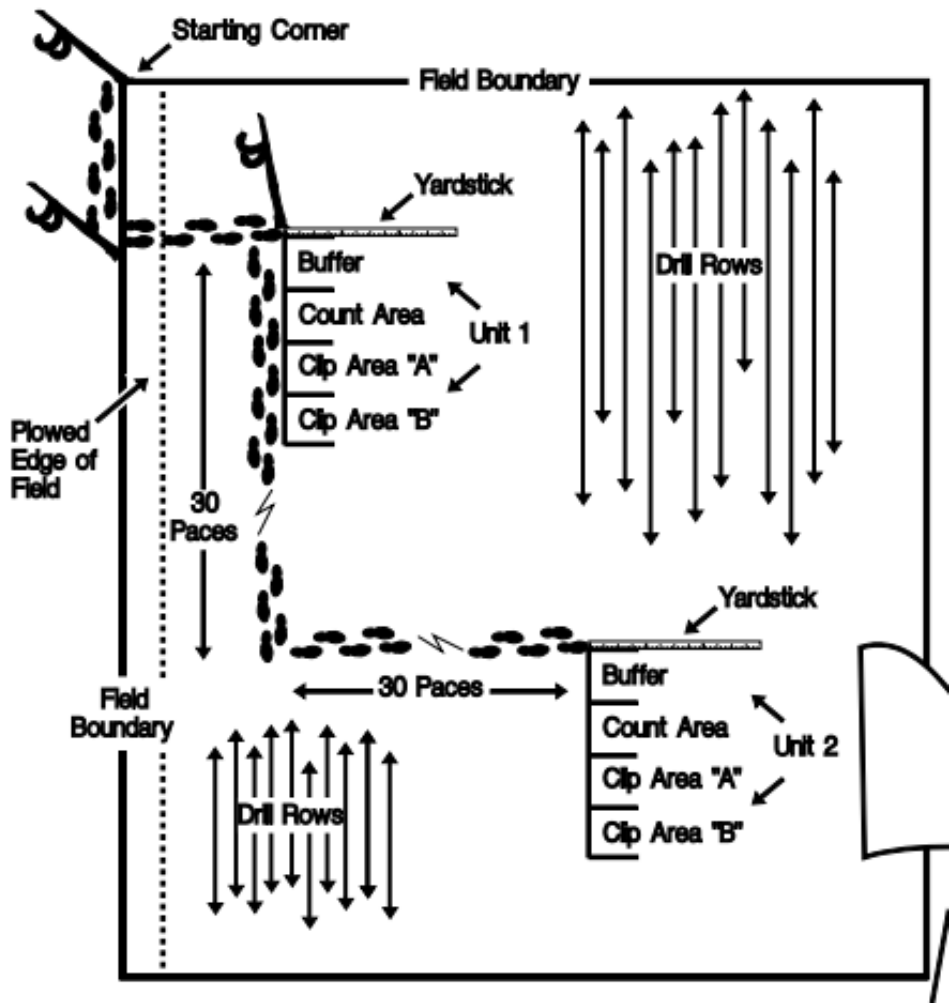


Count vs Clip Area - continued

- **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 change of falling anywhere in the field.
- Center Pivot Fields
 - Entire field including corners
 - Circle only
 - Utilize access roads used for irrigation



Questions?



United States Department of Agriculture
National Agricultural Statistics Service



Form B

WINTER WHEAT YIELD COUNTS

2024





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




FORM B

WINTER WHEAT YIELD 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

ROWS
PACES

UNIT 2

Forecast Month May 1

Date: April 29, 2024

Both dates need to match



Questionnaire Breakdown

1. Pesticides

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

UNIT 2

+ 30

3. Number of paces into field.....

UNIT 1

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

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

2. Paces along edge

3. Paces into field

4. Unit Location Code

Questionnaire Breakdown

5. Row space measurements

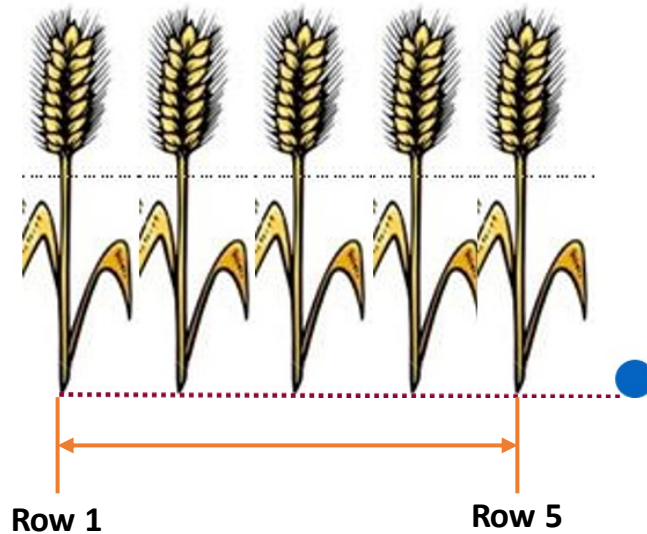
5. ROW SPACE MEASUREMENTS

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

Feet & Tenths

UNIT 1	
301	_____

UNIT 2	
303	_____





Questionnaire Breakdown

6. Stage of maturity

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, start counts with <u>item 7</u>		3, 4, or 5, start <u>counts with item 8</u>			6 or 7, start <u>counts with item 8</u>		8. Substitute Unit Two when both 8, Go to item 10

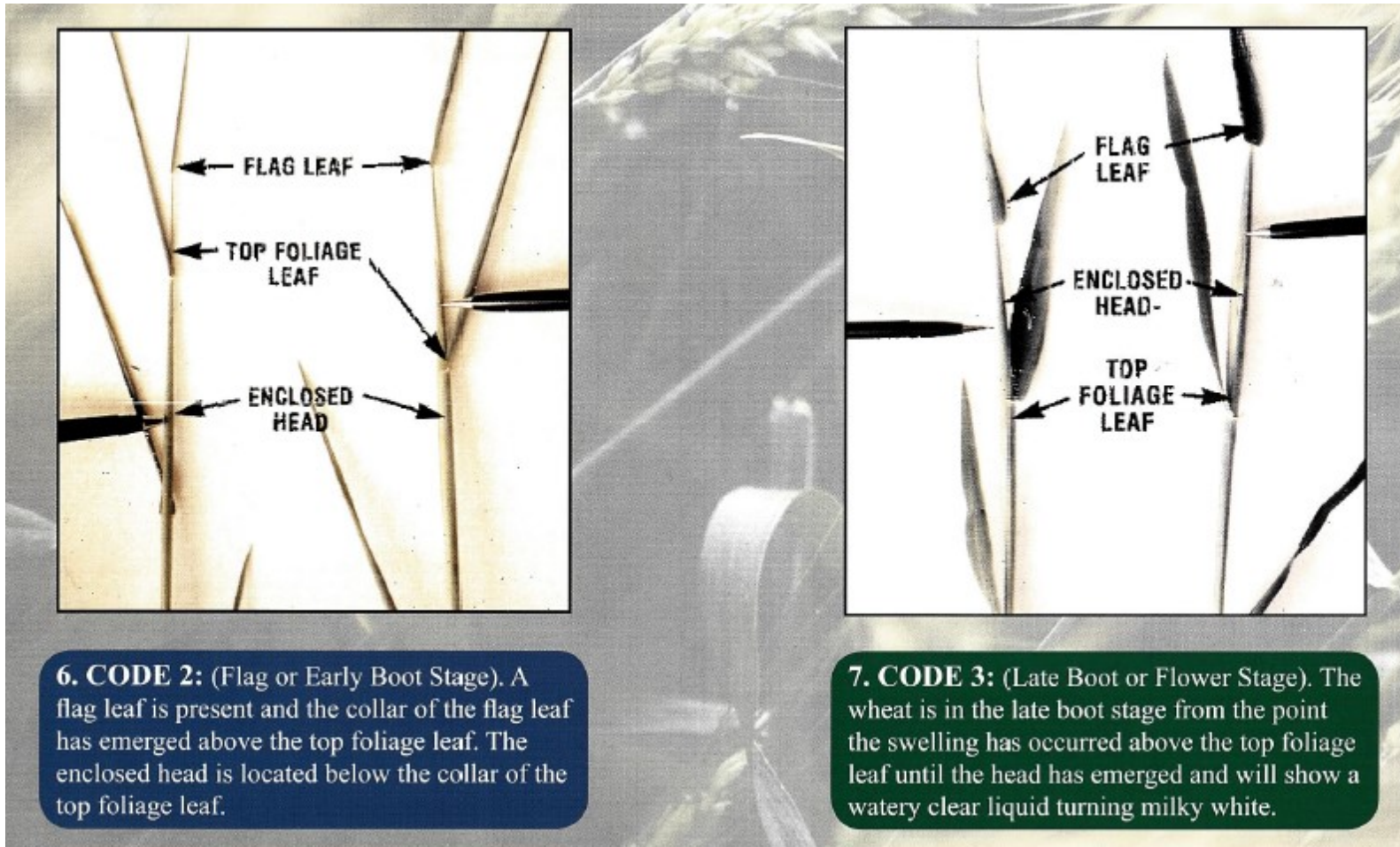
When in doubt, always go lower!

Pre-Flag Stage



5. CODE 1: (Pre-flag Stage). There is no swelling in the stalks and no flag leaf present.

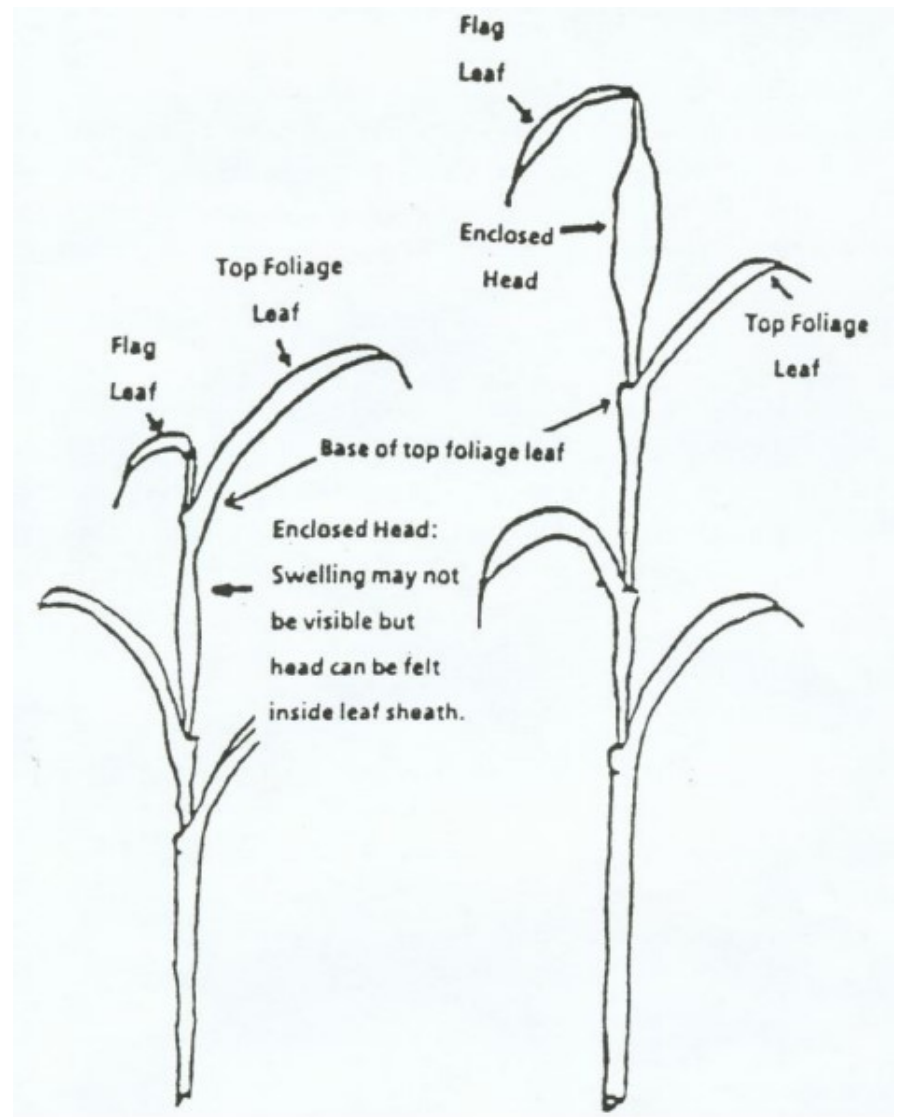
Early and Late Boot Stages



6. CODE 2: (Flag or Early Boot Stage). A flag leaf is present and the collar of the flag leaf has emerged above the top foliage leaf. The enclosed head is located below the collar of the top foliage leaf.

7. CODE 3: (Late Boot or Flower Stage). The wheat is in the late boot stage from the point the swelling has occurred above the top foliage leaf until the head has emerged and will show a watery clear liquid turning milky white.

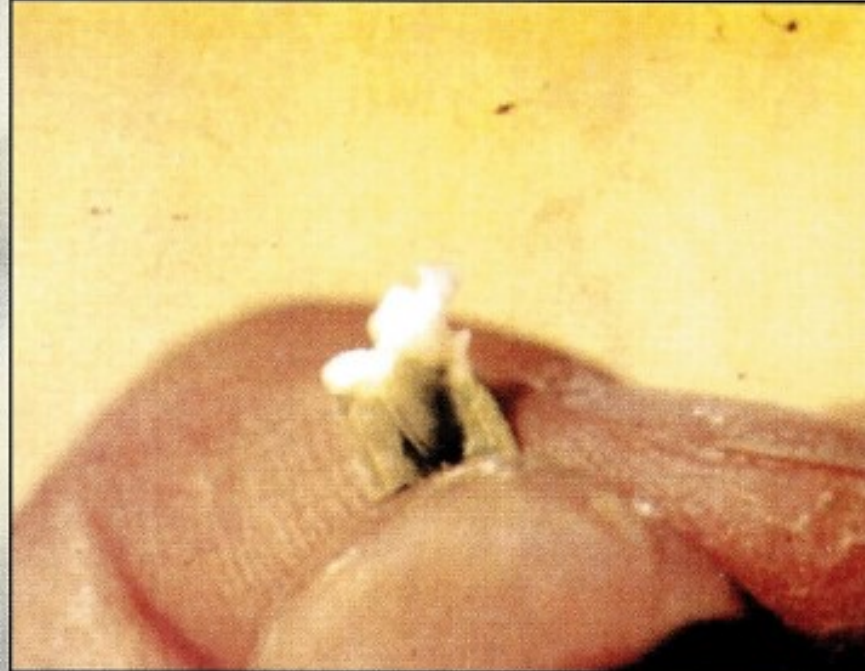
Early vs Late Boot Stage



Milk and Soft Dough Stages



8. CODE 4: (Milk Stage). The kernels are soft, moist, and filled with a milky liquid.



9. CODE 5: (Soft Dough Stage). The content of the kernels are soft and can be kneaded like dough.

Hard Dough and Ripe Stages



10. CODE 6: (Hard Dough Stage). The grain is firm and can be dented with the thumbnail, but not easily crushed.



11. CODE 7: (Ripe Stage). The grain is hard and breaks into fragments when crushed.



Questionnaire Breakdown

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
<u>If Unit One Maturity is</u>	<u>1 or 2, start counts with item 7</u>		<u>3, 4, or 5, start counts with item 8</u>			<u>6 or 7, 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
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)

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

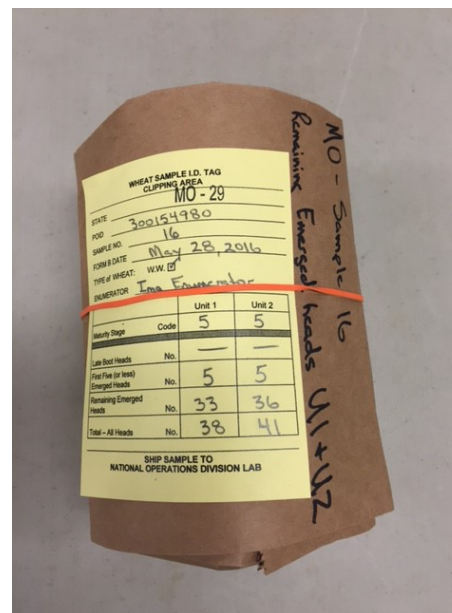
Step 3 -- MOW remaining stalks up to the half-way mark. Examine each stalk and determine which ones are emerged heads and late boot heads. CLIP the stalks 1/2 inch below the emerged head or at base of top foliage leaf for late boot heads. Place the remaining emerged heads in a large bag and the late 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 5/31/0023

USDA FORM B
WINTER WHEAT YIELD COUNTS

NATIONAL AGRICULTURAL STATISTICS SERVICE

Date: May 26, 2024

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. UNIT 1: 301 UNIT 2: 303
 Feet & Tenths _____

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
UNIT 1 Count Area	1	2	3	4	5	6	7	8
UNIT 2 Count Area	1	2	3	4	5	6	7	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. 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
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
CLIPPING AREA

STATE NEBRASKA

POID 857025580

SAMPLE NO. 36

FORM B DATE 5/26

TYPE of WHEAT: W.W.

ENUMERATOR John Smith

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

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

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 PAGES UNIT 2

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

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 5/31/2023

USDA FORM B WINTER WHEAT YIELD COUNTS NATIONAL AGRICULTURAL STATISTICS SERVICE

Date: July 5, 2024

1. Has operator applied pesticides with organophosphorus content to the sample field?
 Yes No
 # 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:

1 First visit to lay out unit	305	307
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. 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. 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
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

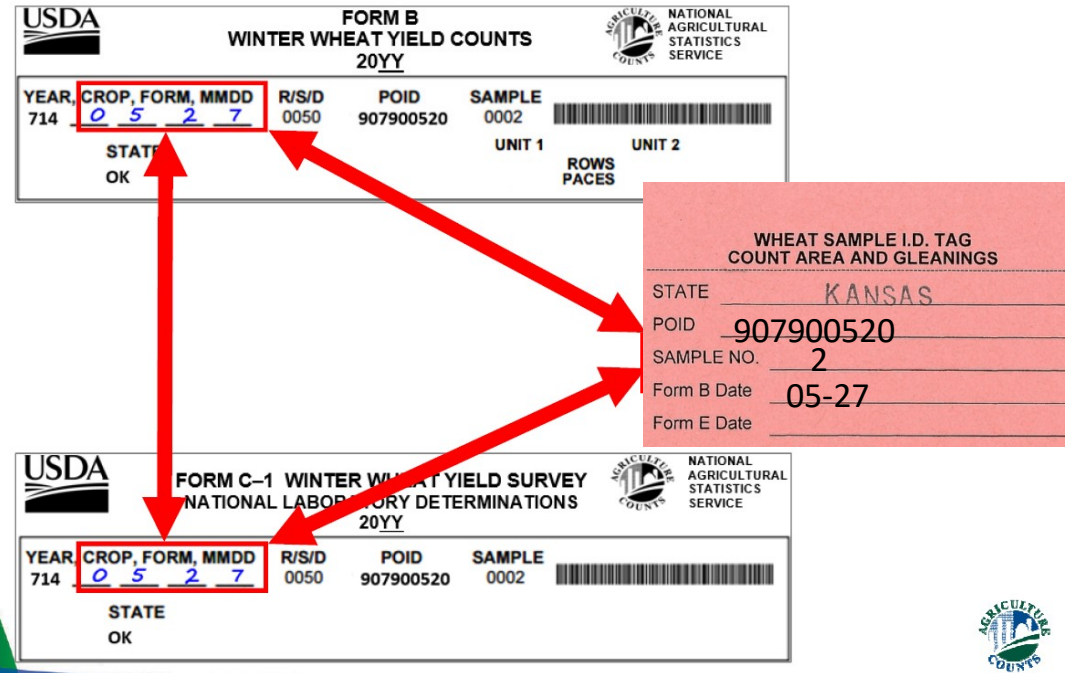
Item	Row 1	Row 2	Row 3
8	—	—	—
9(a)	<u>50</u>	<u>55</u>	<u>53</u>
9(b)			

IF POST-HARVEST GLEANINGS: CHECK

SHIP SAMPLE TO
 NATIONAL OPERATIONS DIVISION LAB



Forms & ID Tags Relationship (Preharvest)



Questionnaire Breakdown

13. Supervisor assistance

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

ENUMERATOR: John Doe

UPS Tracking Number: 130721AW8796147549
(For samples sent to National Laboratory)

390	20999
391	20888
393	

SUITE 400
9700 PAGE AVENUE
SAINT LOUIS MO 63132-1555



UPS NEXT DAY AIR 1
TRACKING #: 1Z 072 1AW 84 9569 8434



BILLING: P/P
DESC: Wheat Sample
RETURN SERVICE

Reference # 1: WHEAT OY
Reference # 2: N. PLAINS
Reference # 3: 20

- 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



Field is Destroyed & Lost Samples

If only one unit destroyed

- Destroyed unit is null
- Good data for the other

If both units destroyed

- Status code 5 in CAPI
- No future visits required

Lost sample

- Field for purposes other than grain
- Status code 6 in CAPI
- No future visits required

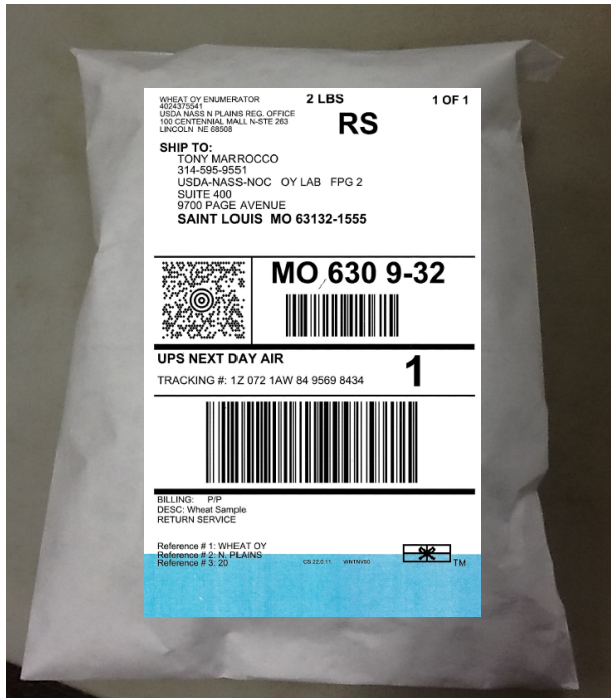
Leave comments in CAPI



Shipping to St Louis Note

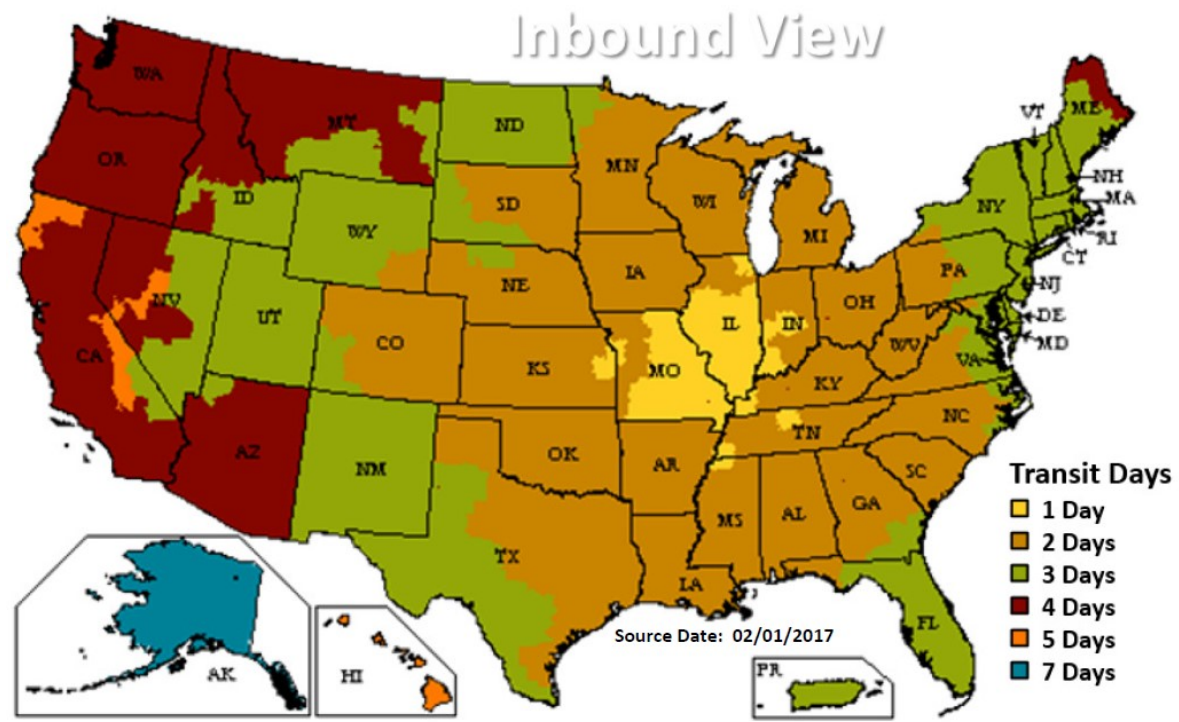
- The labels only have a blue banner printed on them
- Next day air delivery

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
- ✓ Do not drive in the fields
- ✓ Take precautions not to lose heads after clipping
- ✓ 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



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

Survey Date
(will change each month)

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

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: Form B Demo



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



CAPI: 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



United States Department of Agriculture
National Agricultural Statistics Service

Sections <

- INTRODUCTION ✓
- FIELD WORK DATE**
- PESTICIDES
- UNIT LOCATION
- COUNTS WITHIN UNITS
- ENUMERATOR ✓



FIELD WORK DATE






Select a Status Code

380 STATUS CODE ▾



CAPIS: 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



CAPI: 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



CAPI: 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 <input type="text"/>	312	UNIT 1 <input type="text"/>	313	UNIT 1 <input type="text"/>

8. Number of heads in LATE BOOT

Row 1		Row 2		Row 3	
351	UNIT 1 <input type="text"/>	352	UNIT 1 <input type="text"/>	353	UNIT 1 <input type="text"/>

9a. Number of emerged heads on all stalks

Row 1		Row 2		Row 3	
331	UNIT 1 <input type="text"/>	332	UNIT 1 <input type="text"/>	333	UNIT 1 <input type="text"/>

9b. Number of detached heads in unit

Row 2	
341	UNIT 1 <input type="text"/>



CAPI: 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 <input style="width: 80%;" type="text"/>	352	UNIT 1 <input style="width: 80%;" type="text"/>	353	UNIT 1 <input style="width: 80%;" type="text"/>

9a. Number of emerged heads on all stalks

Row 1		Row 2		Row 3	
331	UNIT 1 <input style="width: 80%;" type="text"/>	332	UNIT 1 <input style="width: 80%;" type="text"/>	333	UNIT 1 <input style="width: 80%;" type="text"/>

9b. Number of detached heads in unit

Row 2	
341	UNIT 1 <input style="width: 80%;" type="text"/>

CAPI: Item Level Comments

- Item Code Level Comments

The screenshot illustrates the process of adding comments to an item code. On the left, a table row is shown with the item code '333' and 'UNIT 1'. A red box highlights a comment icon in the table, with a red arrow pointing to a floating calculator-style keypad. This keypad features a numeric keypad, function keys (C, ←, D/K, =), and an 'Add Comment' button at the bottom, which is also highlighted with a red box. A second red arrow points from the 'Add Comment' button to a 'Item Comments' dialog box on the right. The dialog box has a title bar with 'Close' and a large empty text area for entering comments. At the bottom right of the dialog, there are 'Save' and 'Close' buttons, with the 'Save' button highlighted by a red box.



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?	
<input type="radio"/> Yes <input type="radio"/> No	
Enumerator Number	Supervisor Number
390 <input type="text"/>	391 <input type="text"/>
UPS Tracking Number:	
<input type="text"/>	



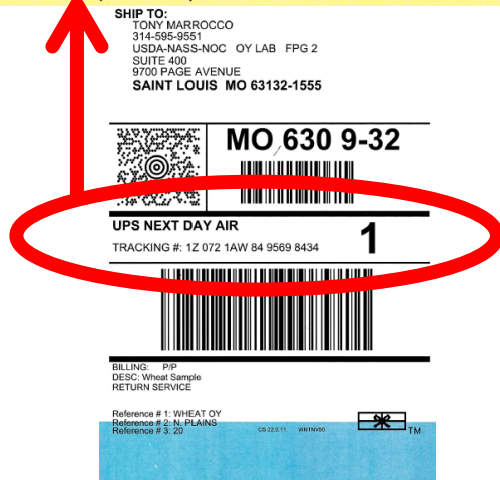
CAPI: UPS Tracking Number

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

The screenshot shows a mobile application interface for data entry. On the left is a 'Sections' menu with a back arrow and five items, each with a red checkmark: INTRODUCTION, FIELD WORK DATE, PESTICIDES, UNIT LOCATION, and COUNTS WITHIN UNITS. Below this is a red header for the 'ENUMERATOR' section, followed by a landscape image. The main form area has a dark header 'ENUMERATOR' and contains the following fields: 'Response:' with a dropdown menu set to 'Completed'; 'Respondent:' with a dropdown menu set to 'Other'; 'Responded By (Enter respondent's name, if not the operator):' with an empty text input field; 'Respondent Mode:' with a dropdown menu set to 'Face-To-Face on iPad'; and 'Enumerator:' with a text input field containing '98271' and a small '9998' label to its left. At the bottom are two red buttons labeled 'PREVIOUS' and '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

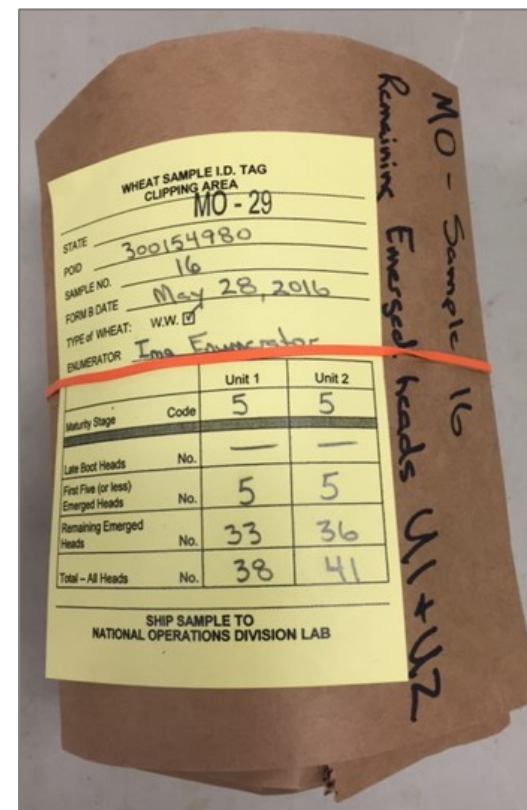
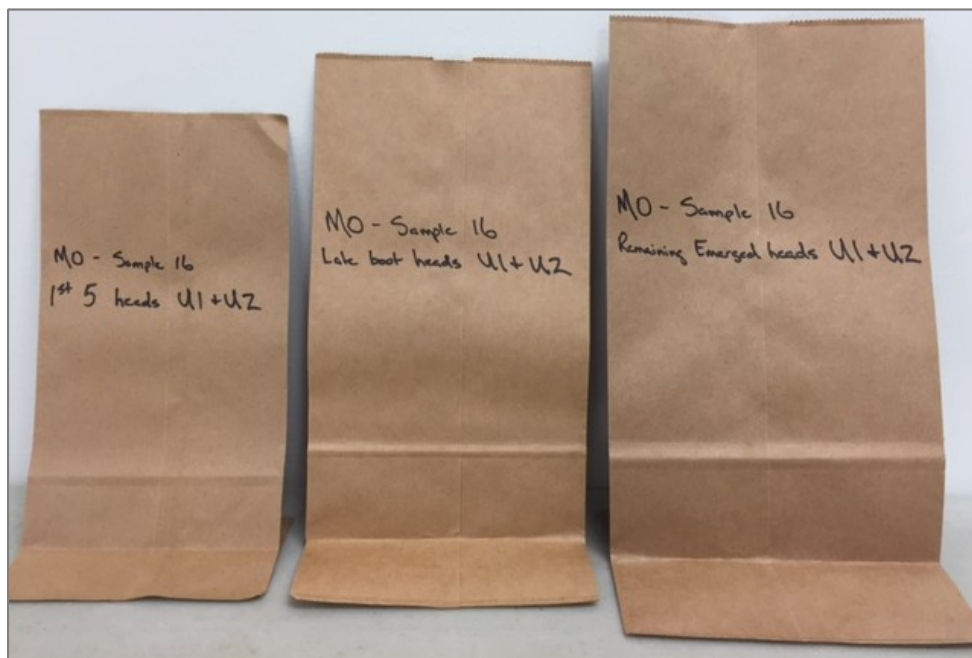
Clippings, Final Pre-Harvest & Gleanings

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

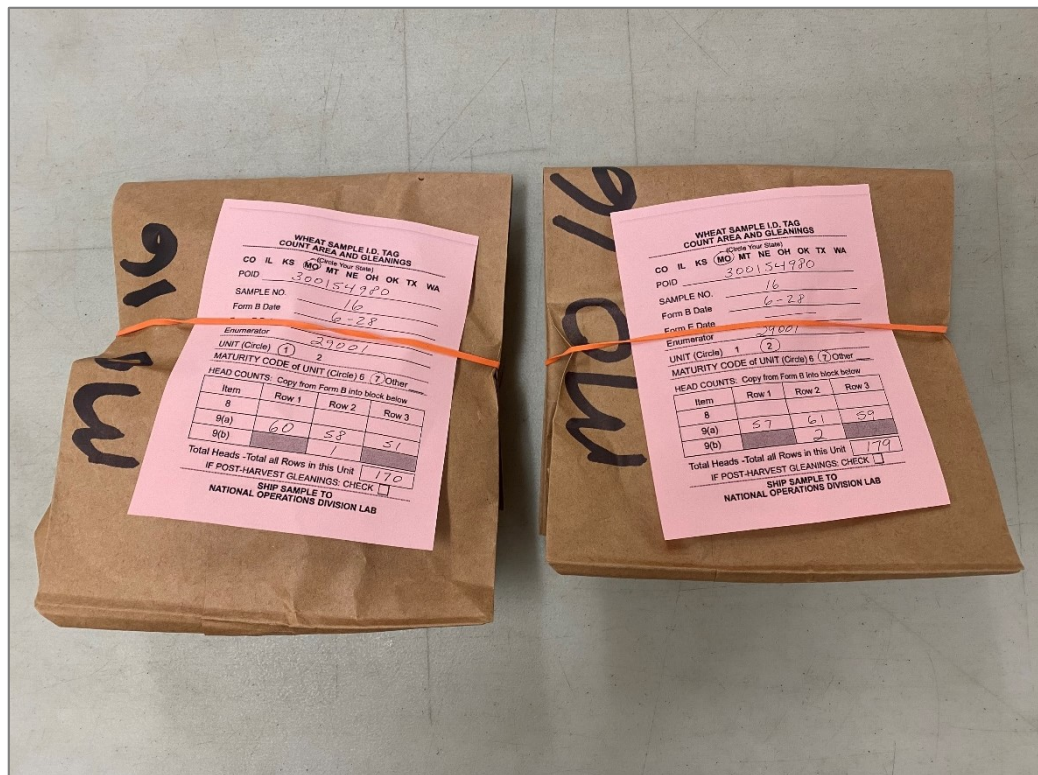


Sample Packaging Standards – Final Pre-Harvest

- 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

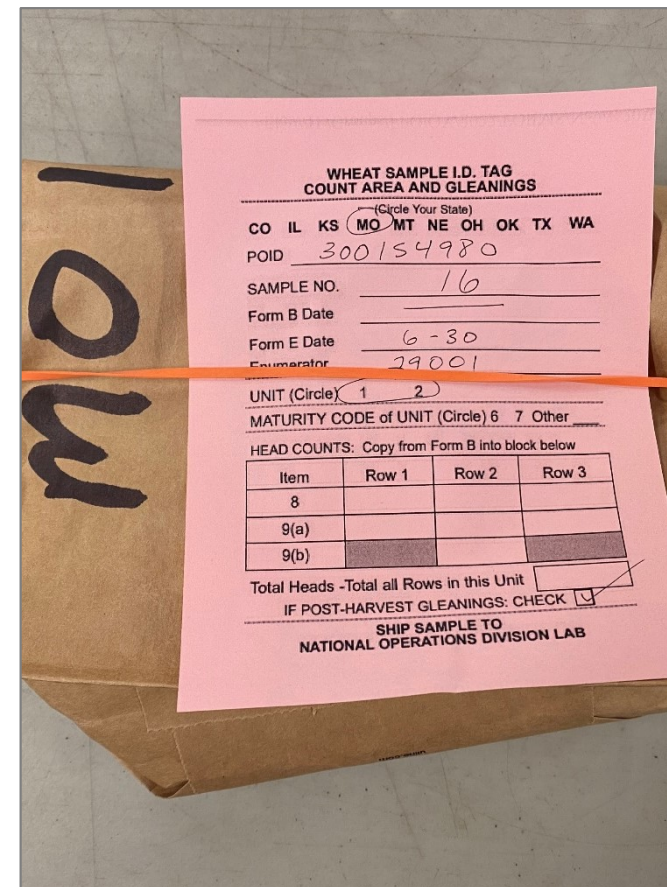
Sample Packaging Standards – Final Pre-Harvest

- 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**



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 2024



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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

UNIT 1

UNIT 2

ROWS
PACES

Date: July 6, 2024

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

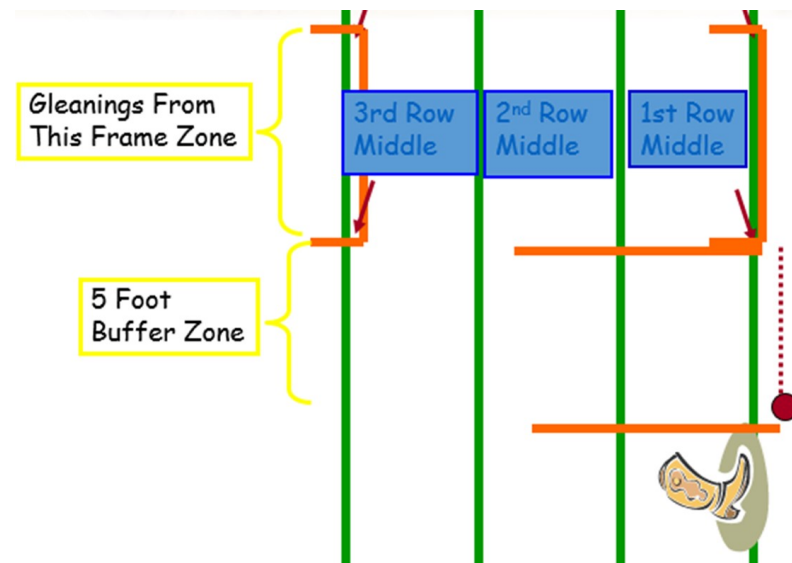
UNIT LOCATION *(Diagram on reverse side)*

	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

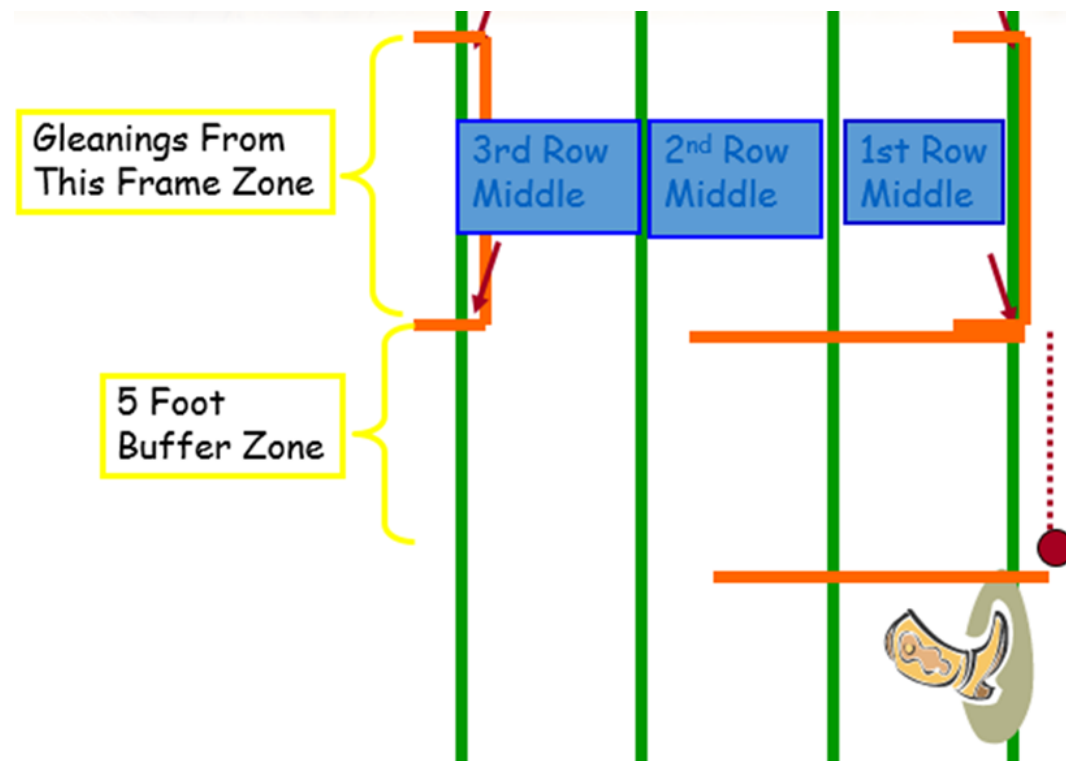
Laying out the Gleaning Unit

- 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



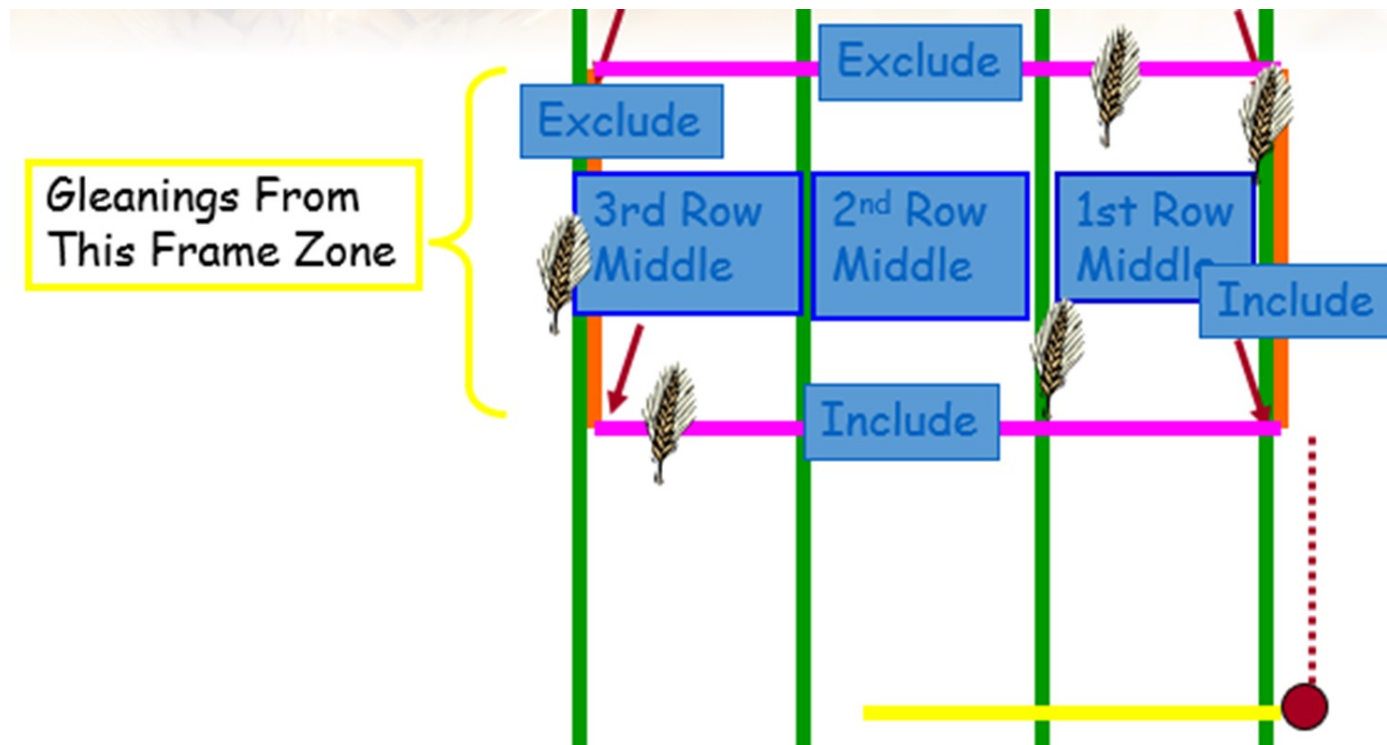
Laying out the Gleaning Unit

- 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.



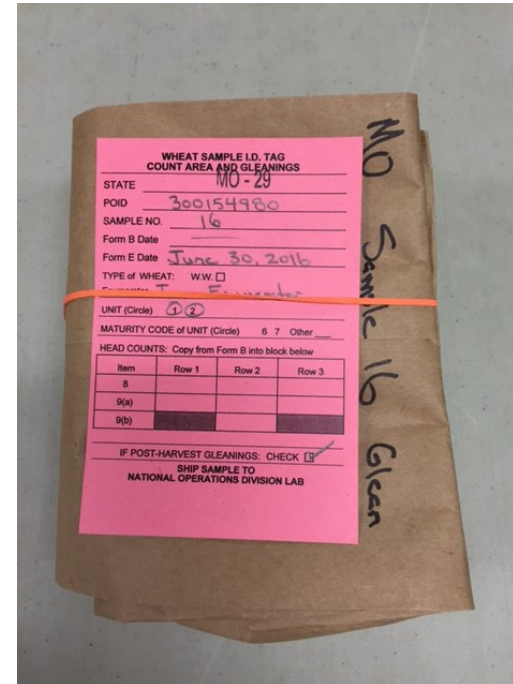
Pick up Loose Grain & Heads

- 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



Preferred Packaging – Gleaning Sample

- 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





Form E: Completed

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

CHECK EACH BOX AS COMPLETED

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

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

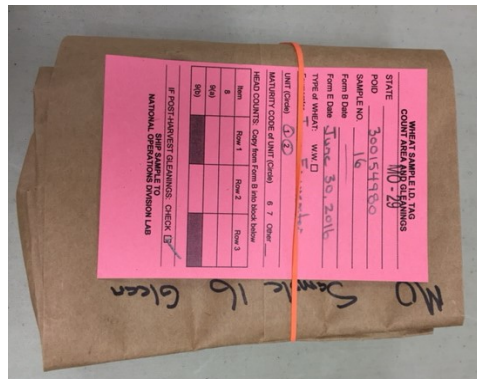
FIELD NOTES: If post-harvest observations cannot be made, give reasons here.

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 7/2/2024

Form E Date 7/6/2024

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-W OMB No. 0635-0088 Approval Expires 7/31/2019

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

2024

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, 2024

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

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.

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

ENUMERATOR: John Doe

Enumerator Number	790	31999
Supervisor Number	791	31888
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



Due Dates and Shipping Review





Due Dates

KANSAS

NEBRASKA

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

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

**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.

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 “2024 Objective Yield UPS Procedures” on Website
- 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!



2024 Wheat Objective Yield Field Enumerator Reference Sheet


Project Code 101

Kansas
Curtis Arnold (402) 470-8779

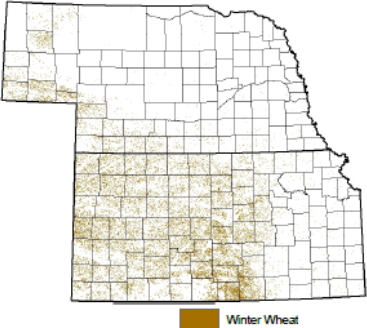
Nebraska
Evan Swindall (402) 470-8775
General Program Manager
Curtis Arnold (402) 470-8779

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

Interviewer's Manual (IM)
Pages 301-306

WHAT IF.....?




- 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.

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





Quiz Review



Share Your Thoughts



Workshop Evaluation

- Please complete the workshop evaluation at the following link:
- <http://tinyurl.com/WOYeVal24>

