

# FORM E CORN OBJECTIVE YIELD - 2023

OMB No.: 0535-0088  
 Approval Expires: 3/31/2024  
 Project Code: 104  
 Survey ID: 3227



**United States  
 Department of  
 Agriculture**



**NATIONAL  
 AGRICULTURAL  
 STATISTICS  
 SERVICE**

Please make corrections to name, address and ZIP Code, if necessary.

Date: \_\_\_\_\_

**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.

**UNIT LOCATION**

	UNIT 1	UNIT 2
1. Number of rows along edge of field.....	<b>+ 5</b>	<b>+ 5</b>
2. Number of paces into field.....	<b>+ 5</b>	<b>+ 5</b>

**FIELD OBSERVATIONS**

	UNIT 1	UNIT 2
3. Measure distance from stalks in Row 1 to stalks in Row 2..... Feet and Tenths	701 _____	702 _____
4. Measure distance from stalks in Row 1 to stalks in Row 5..... Feet and Tenths	703 _____	704 _____

**GLEANINGS IN 15-FOOT UNITS**

**CHECK EACH BOX AS COMPLETED**

		ROW 1	ROW 2	ROW 1	ROW 2
5. Pick up all ears attached to stalks, all ears, and pieces of ears with kernels in each row middle. Shell and deposit all grain in paper bag. Identify bag as "shelled grain".....	Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Pick up loose grain in the middle of the first row of each unit. Deposit in separate paper bag. Identify bag as "loose grain".....	Check	<input type="checkbox"/>		<input type="checkbox"/>	

7. 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

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8. Did a supervisor assist you in working this sample?  Yes  No

**SHIPPING INSTRUCTIONS:**

a. Attach completed ID tag to the paper bag(s) containing gleanings.

b. Place bag(s) and this Form E in a Tyvek envelope.

c. Ship Tyvek envelope to National Lab.

Enumerator Number	790
Supervisor Number	791

ENUMERATOR: \_\_\_\_\_

<b>STATUS CODE</b>	780
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**NATIONAL LABORATORY DETERMINATIONS**

Date sample received in lab (MM DD) \_\_\_\_\_

9. Weight of grain from ears.....	Grams to Hundredths	707 . ____ ____
10. Weight of loose grain from ground.....	Grams to Hundredths	708 . ____ ____
11. Moisture <sup>1/</sup> .....	Percent (One Decimal)	709 . ____

*<sup>1/</sup>If sample weight is too small for moisture test, sufficient grains of known moisture content will be added to the sample so that a moisture test can be made. The moisture content of the sample can then be derived using the following formula:*

$$E = \frac{(A + B) D - (B \times C)}{A}$$

Where A = Weight of small corn sample (item 7 & 8) .....	. ____ ____	Grams
B = Weight of additional grains required for moisture test .....	. ____ ____	Grams
C = Moisture percent of B .....	. ____	Percent
D = Moisture percent of A + B combined .....	. ____	Percent
E = Result: Moisture percent of small sample (enter in item 9) .....	. ____	Percent

Lab Technician(s) \_\_\_\_\_

Date Analysis Completed \_\_\_\_\_

MM DD