

FORM E CORN OBJECTIVE YIELD - 2022

OMB No.: 0535-0088
 Approval Expires: xx/xx/20xx
 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 gleanings if one is available in the tract.

UNIT LOCATION

1. Number of rows along edge of field.....
2. Number of paces into field.....

UNIT 1	UNIT 2
+ 5	+ 5
+ 5	+ 5

FIELD OBSERVATIONS

3. Measure distance from stalks in Row 1 to stalks in Row 2..... Feet and Tenths
4. Measure distance from stalks in Row 1 to stalks in Row 5..... Feet and Tenths

UNIT 1	UNIT 2
701 _____	702 _____
703 _____	704 _____

GLEANINGS IN 15-FOOT UNITS

CHECK EACH BOX AS COMPLETED

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
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

	ROW 1	ROW 2		ROW 1	ROW 2
5.	<input type="checkbox"/>	<input type="checkbox"/>	6.	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>		6.	<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

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: _____

STATUS CODE	780
--------------------	-----

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 ^{1/}.....

Percent (One Decimal)

709	. ____
-----	--------

^{1/}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