FORM C 2 CORN OBJECTIVE YIELD - 2024

OMB No.: 0535-0088
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United States Department of Agriculture

NATIONAL AGRICULTURAL STATISTICS SERVICE

Date sample received in lab: _____

EAR WEIGHT (Both Combined)

1. Weight of ears in sealed bags	**Grams to Hundredths**	501 . ___ ___
2. Weight of same number of new bags and rubber bands	**Grams to Hundredths**	502 . ___ ___

GRAIN WEIGHT and MOISTURE DETERMINATIONS

Shell grain from all ears. If ears are too wet to shell easily, dry them for a short period at no more than 70 degrees C before shelling.

3. Weight of all grain shelled from ears at time of moisture test.....	**Grams to Hundredths**	507 . ___ ___
4. Moisture content of shelled grain	**Percent** (One Decimal)	508 . ___
5. Approximate density of shelled grain	**Pounds/Bushel** (One Decimal)	509 . ___

6. Was the grain used for the moisture determination oven dried and/or wetted to enable processing of the sample?

☐ Yes - Enter code from below ☐ No - Enter code 4 510

1 = Sample was oven dried only
2 = Sample was wetted only
3 = Sample was oven dried AND wetted

Lab Technician _____ Date Analyzed _____

MM DD

FORM C-2: CORN

If the sample weight is too small for moisture test, sufficient grains of known moisture content (use same class and stage of maturity) 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.**.....	. ___ ___	**Grams**
	B = Weight of additional grain 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 corn sample (enter in item 4).....	. ___	**Percent**