FORM C 1 CORN OBJECTIVE YIELD - 2026

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United States Department of Agriculture

NATIONAL AGRICULTURAL STATISTICS SERVICE

Date sample received in lab: _____

EAR WEIGHT

1. Weight of third and fourth ears and loose kernels.....	**Grams to Hundredths**	401 . ___ ___
2. Weight of remaining ears and loose kernels.....	**Grams to Hundredths**	402 . ___ ___

GRAIN WEIGHT and MOISTURE DETERMINATIONS

Shell grain from the third and fourth 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 the third and fourth ears at time of moisture test.....	**Grams to Hundredths**	404 . ___ ___
4. Moisture content of shelled grain.....	**Percent** (One Decimal)	405 . ___

For small samples, use the formula on the back of this form for moisture percent

5. 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* 410

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

Lab Technician(s) _____ Date Analysis Completed _____

MM DD

FORM C-1: CORN

[1/]If 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 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 sample (*enter in item 4*)	. ___	**Percent**