FORM C-2 WINTER WHEAT YIELD SURVEY

National Laboratory Determinations

2018

NATIONAL AGRICULTURAL STATISTICS SERVICE

Date sample received in lab: _____

1. **From Identification Tag**

		UNIT 1	UNIT 2		
a. All Heads (*Emerged, Late Boot, and Detached*)	**Number**			**Total Number**	501
b. Stage of maturity	**Unit**			**Unit 1 Code**	502

2. **Laboratory Determinations, All Clipped Heads from Units 1 and 2**

a. **Unit 1:**

(i) Heads in sample [1/] (*Initial if recounted* _____)	**Number**	504
(ii) Total weight of all heads	**Grams**	503 . ___ ___

b. **Unit 2:**

(i) Heads in sample [1/] (*Initial if recounted* _____)	**Number**	506
(ii) Total weight of all heads	**Grams**	505 . ___ ___

c. Total weight of all heads 2a(ii) + 2b(ii) . . . . . **Grams** . ___ ___

3. **Threshed Grain, All Heads from Units 1 and 2**

a. Weight immediately after threshing . . . . . **Grams** 507 . ___ ___

(i) Is item 3a **LESS** than 2c? ☐ **YES** – Go to item 3b

☐ **NO –STOP – NOTIFY SUPERVISOR**

b. Weight immediately before moisture test	**Grams**	508 . ___ ___
c. Moisture content [2/]	**Percent**	509 . ____

4. **Approximate density of the sample** . . . . . **Pounds/Bushel** (One Decimal) 510 . ____

Lab Technician: _____ Date Analyzed: _____

MM DD

[1/] *If the Lab count is different from the field count, follow these steps—*

a. Check if the correct unit was counted.
b. RE-ADD counts from the ID tag.
c. If counts are different by 2% or more (*lab count / field count*) then recount heads and initial unit recounted. Lab supervisor, notify State when difference 5% or more.

[2/] *If the sample weight is too small or too dry for a moisture test, follow the procedures on the back of this form to complete the Moisture Test.*

FORM C-2: WHEAT

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 or dry wheat 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 or dry wheat sample (*enter in item 3c*)	. ___	**Percent**