



FORM C-2 WINTER WHEAT YIELD SURVEY

National Laboratory Determinations 2015



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

CROP CODE
Winter 1

YEAR, CROP, FORM, MMDD (1 - 7)		
5 _ 5 _ _ _ _		

Date sample received in lab: _____

1. From Identification Tag

		UNIT 1	UNIT 2		
a. All Heads (<i>Emerged, Late Boot, and Detached</i>)	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/} (<i>Initial if recounted</i> _____)		Number			504
(ii) Total weight of all heads		Grams			503 . ____
b. Unit 2:					
(i) Heads in sample ^{1/} (<i>Initial if recounted</i> _____)		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? <input type="checkbox"/> YES – Go to item 3b					
<input type="checkbox"/> 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.

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