



FORM C-2 WINTER WHEAT YIELD SURVEY

National Laboratory Determinations

2018



NATIONAL AGRICULTURAL STATISTICS SERVICE

Date sample received in lab: _____

1. From Identification Tag

- a. All Heads (*Emerged, Late Boot, and Detached*)
- b. Stage of maturity

| | UNIT 1 | UNIT 2 | |
|--------|--------|--------|------------------|
| Number | | | Total Number 501 |
| 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* _____)
- (ii) Total weight of all heads

| | |
|--------|------------|
| Number | 504 |
| Grams | 503 . ____ |

b. Unit 2:

- (i) Heads in sample ^{1/} (*Initial if recounted* _____)
- (ii) Total weight of all heads

| | |
|--------|------------|
| Number | 506 |
| 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
- (i) Is item 3a LESS than 2c? YES – Go to item 3b

| | |
|-------|------------|
| Grams | 507 . ____ |
|-------|------------|

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**

B = Weight of additional grain required for moisture test

C = Moisture percent of B

D = Moisture percent of A + B combined

E = Result : Moisture percent of small or dry wheat sample
 (enter in item 3c)

| | |
|--------|---------|
| . ____ | Grams |
| . ____ | Grams |
| . ____ | Percent |
| . ____ | Percent |
| . ____ | Percent |