|  |  |
| --- | --- |
| Project Code 101 QID 120031C-2  |  OMB No. 0535-0088: Approval Expires 7/31/2018 |
| **SURVEY_LOGO_1:USDA_logo_bw.gif** | **FORM C-2 WINTER WHEAT YIELD SURVEY**National Laboratory Determinations**2018** | http://nassnet/miso/PRIME_Center/Communication_Guidelines/Official_Logos/NASS%20Graphic/nass_logo_bw.gif | **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*—1. Check if the correct unit was counted.
2. RE-ADD counts from the ID tag.
3. 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 =** | **( A + B ) D - ( B x 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** |  |

|  |
| --- |
|  |