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| 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** |

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|  |  | Date sample received in lab: | | | | | | |

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| 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 | **. \_\_\_ \_\_\_** | |
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| 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 | | | **. \_\_\_\_\_** |

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| 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.* | | | | | | |

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| **FORM C-2: WHEAT** |  |

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| *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** |  |  |  |  |

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| **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** |  |

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