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| Project Code 102 QID 120034C-2 | | OMB No. 0535-0088: Approval Expires 2/29/2012 | | |
| **SURVEY_LOGO_1:USDA_logo_bw.gif** | **FORM C–2**  **Soybean Pre-Harvest Lab Determinations**  **2011** | | new_nass_logo_bw | **NATIONAL**  **AGRICULTURAL STATISTICS**  **SERVICE** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | YEAR, CROP, FORM, MMDD  (1 – 7) |  |  |  |  |  |  |
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|  | **1 2 5** \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ |
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|  |  |  |  |  |  |  |  |
|  |  |  | **Date Sample Received in Lab:** | |  | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEIGHT and NUMBER of UNTHRESHED PODS** | | | | |  | | |  | |
| 1. Weight of Unit 1 pods and beans removed from bag . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **Grams to Tenths** | | | 503 | **. \_\_\_\_** |
| 2. Weight of Unit 2 pods and beans removed from bag . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **Grams to Tenths** | | | 504 | **. \_\_\_\_** |
| **COUNT of PODS from ONE UNIT (BAG) ONLY** | | | | |  | | |  | |
|  | | | | |  | | |  | |
| 3. Unit used (*Always use pods from Unit 1, if possible*) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **Unit Code** | | 512 | |
| 4. Number of pods with developed beans . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **Number** | | 513 |  |
| (*Developed beans are at least 50% of the mass of normal beans in that field.*  *Generally, they are thicker than a nickel*.) | | |  | | | | |  |  |
| 5. Number of pods with undeveloped beans . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **Number** | | 514 | |
| **WEIGHT and MOISTURE of THRESHED BEANS** | | | | | | | |  | |
| Thresh and hull only pods with developed beans from both units. If pods are too wet to thresh easily,  pods should be dried for a short period at no more than 70 degrees C and then threshed. | | | | | | | |  | |
| 6. Weight of all threshed beans from both units immediately before moisture test . . . . . . | | | | | **Grams to Tenths** | | | 507 | **. \_\_\_\_** |
| 7. Moisture content 1/ . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | **Percent** | 508 | **. \_\_\_\_** |
| Lab Technician |  | Date Analyzed | |  | | | | | |
|  |  |  | | MM DD | | | | | |
| 1/*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: SOYBEANS -** *continued* |  |

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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** |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Where** | **A = Weight of small or dry soybean sample** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | **. \_\_\_** | **Grams** |
|  | **B = Weight of additional beans 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 soybean sample** (*enter in item 7*) . . . . |  | **. \_\_\_** | **Percent** |

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