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| Project Code 102 QID 120034C-2R  |  OMB No. 0535-0088: Approval Expires 4/30/2015 |
| **SURVEY_LOGO_1:USDA_logo_bw.gif** | **FORM C – 2R** **Soybean Pre-Harvest Lab Determinations****Soybean Research Project****2015** | http://nassnet/miso/PRIME_Center/Communication_Guidelines/Official_Logos/NASS%20Graphic/nass_logo_bw.gif | **NATIONAL****AGRICULTURAL STATISTICS****SERVICE** |

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|  | YEAR, CROP, FORM, MMDD(1 – 7) |  |  |  |  |  |  |
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|  | **5 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 Hundredths** | 503 | **. \_\_\_ \_\_\_** |
| 2. Weight of Unit 2 pods and beans removed from bag . . . . . . . . . . . . . . . . . . . . . .  | **Grams to Hundredths** | 504 | **. \_\_\_ \_\_\_** |
| **COUNT of PODS** |  |  |
| 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. |  |
| Number of seeds (all threshed beans) from pods **Unit 1. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .**  | **Number** | 515 |  |
| Number of seeds (all threshed beans) from pods **Unit 2. . . . . . . . . . . . . . . . . . . . . . . . . .**  | **Number** | 516 |  |
| Weight of threshed beans from **only Unit 1** immediately before moisture test. . . . . . . . .  | **Grams to Hundredths** | 517 | **. \_\_\_ \_\_\_** |
| 6. Weight of all threshed beans from both units immediately before moisture test . . . . .  | **Grams to Hundredths** | 507 | **. \_\_\_ \_\_\_** |
| 7. Moisture content 1/ . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | **Percent** (One Decimal) | 508 | **. \_\_\_\_** |
| 8. Approximate density of threshed beans. . . . . . . . . . . . . . . . . . . . . . . . . .  | **Pounds/Bushel** (One Decimal) | 509 | **. \_\_\_\_** |
| 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.* |
| **Bag sample for United Soybean Board** |

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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** |  |  |  |  |

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| **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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