FORM C – 2R
Soybean Pre-Harvest Lab Determinations
Soybean Research Project
2015

USDA

NATIONAL AGRICULTURAL STATISTICS SERVICE

YEAR, CROP, FORM, MMDD (1 – 7)
5 2 5 ___ ___ ___ ___

Date Sample Received in Lab: _____

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 Sovbean Board

FORM C-2: SOYBEANS - *continued*

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 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**