# FORM C 2  SOYBEAN PRE HARVEST LAB DET -  2023

**USDA**  **United States Department of Agriculture**

**NATIONAL AGRICULTURAL STATISTICS SERVICE**

Date sample received in lab: _____

.

## WEIGHT 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 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 Hundredths**

| 507 |
|---|
| . ____ ____ |

7.  Moisture content [1] ................................................................................... **Percent** (one decimal)

| 508 |
|---|
| . ____ |

8.  Approximate density of threshed beans........................................................... **Percent/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**

**FORM C-2: SOYBEANS -** *continued*

[1]*If sample weight is too small for moisture test, sufficient grains of known moisture content 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 sample (*item 6*) .........................................................  .____ ____  **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 sample (*enter in item 7*) ................  .____  **Percent**