

# FORM C 2 SOYBEAN PRE HARVEST LAB DET - 2024

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**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.....	<b>Grams to Hundredths</b>	503 ____
2. Weight of Unit 2 pods and beans removed from bag.....	<b>Grams to Hundredths</b>	504 ____

**COUNT of PODS from ONE UNIT (BAG) ONLY**

Count any sample ending in 0 (i.e. 10, 20, 30 etc.)

3. Unit used ( <i>Always use pods from Unit 1, if possible</i> ).....	<b>Unit Code</b>	512
4. Number of pods with developed beans .....	<b>Number</b>	513
<i>(Developed beans are at least 50% of the mass of normal beans in that field. Generally, they are thicker than a nickel.)</i>		
5. Number of pods with undeveloped beans.....	<b>Number</b>	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. ....	<b>Grams to Hundredths</b>	507 ____
7. Moisture content <sup>1/</sup> .....	<b>Percent (one decimal)</b>	508 ____
8. Approximate density of threshed beans.....	<b>Percent/Bushel (one decimal)</b>	509 ____

Lab Technician \_\_\_\_\_ Date Analyzed \_\_\_\_\_

MM DD

<sup>1/</sup> *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.*

FORM C-2: SOYBEANS - *continued*

<sup>1</sup>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 ( <i>item 6</i> ) .....	. ____ ____	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 ( <i>enter in item 7</i> ) .....	. ____	Percent