



# FORM C

## Soybean Pre-Harvest Lab Determinations

### 2018



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

Date: \_\_\_\_\_

#### WEIGHT of UNTHRESHED PODS

- Weight of Unit 1 pods and beans removed from bag .....
- Weight of Unit 2 pods and beans removed from bag .....

Grams to Hundredths	503	. ____
Grams to Hundredths	504	. ____

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

- Unit used (*Always use pods from Unit 1, if possible*) .....
- Number of pods with developed beans .....
- (*Developed beans are at least 50% of the mass of normal beans in that field. Generally, they are thicker than a nickel.*)
- Number of pods with undeveloped beans .....

Unit Code	512
Number	513
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.

- Weight of all threshed beans from both units immediately before moisture test .....
- Moisture content <sup>1/</sup> .....
- Approximate density of threshed beans .....

Grams to Hundredths	507	. ____
Percent (One Decimal)	508	. ____
Pounds/Bushel (One Decimal)	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.*

**Bag sample for United Soybean 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 .....
  - B = Weight of additional beans required for moisture test .....
  - C = Moisture percent of B .....
  - D = Moisture percent of A + B combined .....
  - E = Result : Moisture percent of small or dry soybean sample (enter in item 7) . . . .

. ____	Grams
. ____	Grams
. ____	Percent
. ____	Percent
. ____	Percent