



# FORM C-2 Soybean Pre-Harvest Lab Determinations 2015



|                                   |  |
|-----------------------------------|--|
| YEAR, CROP, FORM, MMDD<br>(1 - 7) |  |
| <b>5 2 5</b> _ _ _ _              |  |

Date Sample Received in Lab: \_\_\_\_\_

**WEIGHT and NUMBER of UNTHRESHED PODS**

- |   |  |     |       |                            |  |
|---|--|-----|-------|----------------------------|--|
| 1. Weight of Unit 1 pods and beans removed from bag ..... | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">503</td> <td style="width: 40%; text-align: right; padding: 2px;">. _ _</td> </tr> <tr> <td style="padding: 2px;"><b>Grams to Hundredths</b></td> <td></td> </tr> </table> | 503 | . _ _ | <b>Grams to Hundredths</b> |  |
| 503   | . _ _  |     |       |                            |  |
| <b>Grams to Hundredths</b>                                |  |     |       |                            |  |
| 2. Weight of Unit 2 pods and beans removed from bag ..... | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">504</td> <td style="width: 40%; text-align: right; padding: 2px;">. _ _</td> </tr> <tr> <td style="padding: 2px;"><b>Grams to Hundredths</b></td> <td></td> </tr> </table> | 504 | . _ _ | <b>Grams to Hundredths</b> |  |
| 504   | . _ _  |     |       |                            |  |
| <b>Grams to Hundredths</b>                                |  |     |       |                            |  |

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

- |  |   |     |                  |
|--|---|-----|------------------|
| 3. Unit used <i>(Always use pods from Unit 1, if possible)</i> ..... | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">512</td> <td style="width: 40%; text-align: right; padding: 2px;"><b>Unit Code</b></td> </tr> </table>  | 512 | <b>Unit Code</b> |
| 512  | <b>Unit Code</b>  |     |                  |
| 4. Number of pods with developed beans .....                         | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">513</td> <td style="width: 40%; text-align: right; padding: 2px;"><b>Number</b></td> </tr> </table> <p style="margin-left: 20px;"><i>(Developed beans are at least 50% of the mass of normal beans in that field. Generally, they are thicker than a nickel.)</i></p> | 513 | <b>Number</b>    |
| 513  | <b>Number</b>   |     |                  |
| 5. Number of pods with undeveloped beans .....                       | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">514</td> <td style="width: 40%; text-align: right; padding: 2px;"><b>Number</b></td> </tr> </table>   | 514 | <b>Number</b>    |
| 514  | <b>Number</b>   |     |                  |

**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 .. | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">507</td> <td style="width: 40%; text-align: right; padding: 2px;">. _ _</td> </tr> <tr> <td style="padding: 2px;"><b>Grams to Hundredths</b></td> <td></td> </tr> </table>       | 507 | . _ _ | <b>Grams to Hundredths</b>         |  |
| 507   | . _ _  |     |       |                                    |  |
| <b>Grams to Hundredths</b>  |  |     |       |                                    |  |
| 7. Moisture content <sup>1/</sup> .....   | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">508</td> <td style="width: 40%; text-align: right; padding: 2px;">. _</td> </tr> <tr> <td style="padding: 2px;"><b>Percent (One Decimal)</b></td> <td></td> </tr> </table>       | 508 | . _   | <b>Percent (One Decimal)</b>       |  |
| 508   | . _  |     |       |                                    |  |
| <b>Percent (One Decimal)</b>  |  |     |       |                                    |  |
| 8. Approximate density of threshed beans. ....                                      | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">509</td> <td style="width: 40%; text-align: right; padding: 2px;">. _</td> </tr> <tr> <td style="padding: 2px;"><b>Pounds/Bushel (One Decimal)</b></td> <td></td> </tr> </table> | 509 | . _   | <b>Pounds/Bushel (One Decimal)</b> |  |
| 509   | . _  |     |       |                                    |  |
| <b>Pounds/Bushel (One Decimal)</b>  |  |     |       |                                    |  |

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 |