

FORM C – 2

Soybean pre-Harvest Lab Determinations Soybean Research Project 2008



YEAR, CROP, FORM, MMDD (1 – 7)	
8 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 Tenths	503 .
2. Weight of Unit 2 pods and beans removed from bag	Grams to Tenths	504 .

COUNT of PODS

3. Unit used (<i>Always use pods from Unit 1, if possible</i>)	Unit Code	512
4. Number of pods with developed beans. <i>(Developed beans are at least 50% of the mass of normal beans in that field. Generally, they are thicker than a nickel.)</i>	Number	513
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	
Number of seeds (all threshed beans) from pods Unit 2	Number	
Weight of threshed beans from only Unit 1 immediately before moisture test	Grams to Tenths	.
6. Weight of all threshed beans from both units immediately before moisture test	Grams to Tenths	507 .
7. Moisture content 1/	Percent	508 .

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.*

FORM C-2: SOYBEAN

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