

FORM C-2 REGIONAL LABORATORY DETERMINATIONS Wheat Yield Survey 2011



Date sample received in lab:	CROP CODE		P CODE	YEAR, CROP, FORM, MMDD (1 – 7)						
1. From Identification Tag a. All Heads (Emerged, Late Boot, and Detached) b. Stage of maturity. 1. Unit 1 2. Laboratory Determinations, All Clipped Heads from Units 1 and 2 a. Unit 1: (i) Heads in sample 11 (Initial if recounted) (ii) Total weight of all heads . (iii) Heads in sample 12 (Initial if recounted) (iv) Heads in sample 13 (Initial if recounted) (iv) Total weight of all heads . (iv) Total weight of all heads . (iv) Total weight of all heads 2a(ii) + 2b(ii) (iv) Total weight of all heads 2a(ii) + 2b(iii) (iv) Total weight of all heads 2a(ii) + 2b(iii) (iv) Is item 3a LESS than 2c? (iv) Is item 3a LESS than 2c? (iv) VES – Go to item 3b (iv) No –STOP – NOTIFY SUPERVISOR (iv) Weight immediately before moisture test . (iv) No –STOP – NOTIFY SUPERVISOR (iv) Weight immediately before moisture test . (iv) No –STOP – NOTIFY SUPERVISOR (iv) Weight immediately before moisture test . (iv) Moisture content 22 . (iv) Moisture content 23 . (iv) Moisture content 24 . (iv) Moisture content 25 . (iv) Moisture content 25 . (iv) Moisture content 26 . (iv) Moisture content 26 . (iv) Moisture content 27 . (iv) Moisture content 27 . (iv) Moisture content 28 . (iv) Moisture content 28 . (iv) Moisture content 29 . (iv) Moisture content 20 . (iv) Moisture	Win	ter .	1	15						
a. All Heads (Emerged, Late Boot, and Detached) b. Stage of maturity. Unit 1					Date sample rec	eived in	lab:			
a. All Heads (Emerged, Late Boot, and Detached) b. Stage of maturity	1.	Fre	om Identifica	ntion Tag		_	UNIT 1	UNIT 2		
b. Stage of maturity		a.	All Heads (I	Emerged, Late Boot, and Deta	ched)	Number				501
a. Unit 1: (i) Heads in sample \(^{1}\) (Initial if recounted \(_\) \(_		b.	Stage of ma	turity		Unit			Unit 1	502
(i) Heads in sample " (Initial if recounted	2.		-	terminations, All Clipped He	ads from Units 1 a	nd 2				
b. Unit 2: (i) Heads in sample 1/ (Initial if recounted) Number (ii) Total weight of all heads 506 (iii) Total weight of all heads 6rams c. Total weight of all heads 6rams 3. Threshed Grain, All Heads from Units 1 and 2 a. Weight immediately after threshing 6rams (i) Is item 3a LESS than 2c? YES – Go to item 3b NO – STOP – NOTIFY SUPERVISOR b. Weight immediately before moisture test 6rams c. Moisture content 2/ Percent 509			(i) Heads i	n sample 1/ (<i>Initial if recounte</i>	ed)				Number	504
(i) Heads in sample 1/ (Initial if recounted)			(ii) Total w	reight of all heads				• • •	Grams	503
(i) Heads in sample 2 (Initial if recounted		b.	Unit 2:							
c. Total weight of all heads 2a(ii) + 2b(ii)			(i) Heads i	n sample ^{1/} (<i>Initial if recounte</i>	ed)				Number	506
3. Threshed Grain, All Heads from Units 1 and 2 a. Weight immediately after threshing			(ii) Total w	reight of all heads					Grams	505
a. Weight immediately after threshing	3.		•	, , , , , ,		•••	Grams		·	
(i) Is item 3a LESS than 2c?		a.	Weight imm	nediately after threshing					Grams	507
b. Weight immediately before moisture test			_	_						
c. Moisture content ² /					NO –STOP – N	OTIFY	SUPERVI	SOR		
c. Moisture content 2		b.	Weight imm	nediately before moisture test .					Grams	508
Lab Technician Date Analyzed		c.	Moisture co	ntent ^{2/}				•••	Percent	509
	Lab Technician Date A						te Analyzed _			

¹If the Lab count is different from the field count, follow these steps—

- a. Check if the correct unit was counted.
- b. RE-ADD counts from the ID tag.
- c. If counts are different by 2% or more (*lab count / field count*) then recount heads and initial unit recounted. Lab supervisor, notify State when difference 5% or more.

²If 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: WHEAT

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:

$$E = \frac{(A+B)D - (B \times C)}{\Delta}$$

Where	A = Weight of small or dry wheat sample	•	Grams
	B = Weight of additional grain required for moisture test		Grams
	C = Moisture percent of B	· <u> </u>	Percent
	D = Moisture percent of A + B combined	•	Percent
	E = Result : Moisture percent of small or dry wheat sample (enter in item 3c)		Percent