

FORM C-1 Corn Maturity Code-6 Lab Determinations 2015



	YEAR, CROP, FORM, MMDD (1 – 7)		
	5 4 4		
	Date Sample Received in		
EAR WEIGH	łT		
1. Weight of	f third and fourth ears and loose kernels	Grams to Hundredths	401
2. Weight of	f remaining ears and loose kernels	Grams to Hundredths	402 ·
GRAIN WEI	GHT and MOISTURE DETERMINATIONS		
	grain from the third and fourth ears. If ears are too wet to shell easily, hem for a short period at no more than 70 degrees C, before shelling.		
3. Weight of	f all grain shelled from the third and fourth ears at time of moisture test	Grams to Hundredths	404
4. Moisture	content of shelled grain	Percent (One Decimal)	405
	I samples, use the formula on the back of this form for moisture percent grain used for the moisture determination oven dried and/or wetted to enable		
	g of the sample?		
YES	S – Enter code from below.		410
	1 = Sample was oven dried only 2 = Sample was wetted only 3 = Sample was oven dried AND wetted		
Lab Technicia	nnDate Analyzed	l	
		MM	DD

FORM C-1: CORN

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 corn sample	·	Grams
	B = Weight of additional grain required for moisture test	·	Grams
	C = Moisture percent of B		Percen
	D = Moisture percent of A + B combined		Percen
	E = Result : Moisture percent of small corn sample (enter in item 4)		Percen