## **Program Notice**

FGIS-PN-25-03

### SAMPLE COLLECTION RESPONSIBILITIES FOR VERIFYING THE ACCURACY OF MOISTURE METER CALIBRATIONS CROP YEAR 2025

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### 1. PURPOSE

This program notice transmits collection assignments for samples needed to verify the accuracy of official moisture meter calibrations. It also restates the procedure for collecting and submitting samples.

### 2. BACKGROUND

The annual Moisture Meter Calibration Study is conducted on current year crop samples to assess the accuracy of the official inspection system and of National Type Evaluation Program (NTEP)-certified moisture meters. Each year, the evaluation is performed on samples submitted to the Inspection Instrumentation Branch (IIB) from the field offices and official service providers (OSP). Sample collection assignments for the respective offices are based on three years of crop production data within the geographic areas of responsibility.

Calibrations will be verified over the working moisture ranges but there is a significant need for samples that extend the moisture ranges shown in Directive 9180.61, Official Moisture Calibrations for UGMA-Compatible Meters. While it is understood that all requested moisture levels may not be available in all areas every year, field offices should make all reasonable efforts to provide the requested number of samples in each moisture range and to find samples at the moisture extremes requested.

### 3. EFFECTIVE DATE

This program notice is effective upon receipt for the 2025 crop production. Wheat samples should be submitted by October 01, 2025, and all other grain samples by December 15, 2025.

### 4. **REPLACEMENT HIGHLIGHTS**

This program notice supersedes FGIS PN-24-01, dated June 11, 2024.

### 5. **RESPONSIBILITIES**

The collection and submission of samples for the annual Moisture Meter Calibration Study are considered regular duties of the selected field offices and OSP's. All associated time will be charged to the field office standardization management code.

### 6. ASSIGNMENTS FOR SELECTED FIELD OFFICES

The 2025 sample request is similar to the 2024 request, which was reduced for some grains from previous years, due to the improved capability of the UGMA moisture meters. With this reduction, it becomes significantly more important that each office give their best effort to fulfill their request as stated in Table 1, so that the calibrations can be maintained with the same confidence as in the past.

During the 2025 growing season, the indicated numbers of samples of the commodities listed in Table 1 must be collected, tested for moisture, and submitted by the respective field offices to TSD-IIB. Each sample should weigh approximately 1500 grams.

### 7. INSTRUCTIONS

- a. The purpose of this effort is to obtain representative samples from the entire nation. Therefore, it is important to have each office fill its quota at all moisture levels, if possible. However, do not submit extra samples in any moisture range, and do not adjust the moisture level of samples by adding water or by drying in the laboratory.
- b. Samples with moisture levels beyond the established moisture ranges are valuable for extending these ranges. For this reason, some of the ranges of requested samples (Table 1) have been extended beyond established limits. When submitting samples, if the moisture falls outside the range of the applicable official moisture meter calibration, obtain an approximate moisture. The true moisture will later be determined at TSD by air oven.
- c. If dockage is removed for inspection purposes, do not recombine it before submitting the sample.
- d. The significant amount of time and effort invested in collecting and submitting the moisture samples can easily be lost through insect damage, microbial spoilage, or late sample submission. To prevent such loss, please collect the samples during the growing season and at harvest time and submit them promptly. Samples above 16 percent (above 14 percent for sunflower seeds and 11 percent for minor oilseeds) require special handling. To minimize loss by spoilage, keep high moisture samples refrigerated (not frozen) until shipped and ship the samples by UPS at least 48 hours before a weekend/holiday.
- An easy way to account for samples submitted is to prepare mailing tags
  [Attachment 1] for the total number of samples of each commodity to be collected.
  On the back of each tag, write the commodity and moisture range. When all of the
  mailing tags are used, the collection assignment has been met.
- f. The UGMA-Compatible moisture meters have a built-in test weight correction. These corrections need to be checked using external test weight data. For samples of sufficient volume, test weight will be determined by TSD-IIB, so it is not necessary to record test weight on the moisture sample transmittal tag. However, some submitted samples are too small to fill the kettle. For such samples, please record the test weight on the tag (or transmittal slip) if it is known.
- g. Double bag each sample in polyethylene bags (6 mil thickness) and seal for shipment to TSD in appropriate size box. Multiple samples can be shipped together to save on cost. Record the field office location, date, commodity, official meter moisture, and test weight (if sample size is limited) on the back of the mailing tag or transmittal form [Attachment 1] accompanying the sample. Attach the transmittal tag to the bag. Please send samples to:

USDA AMS-NGC Technology & Science Division Moisture Laboratory 10383 N. Ambassador Drive Kansas City, MO 64153-1394

h. Questions concerning these instructions should be directed to (816) 702-3873. If there is a special problem with the sample assignment, please notify the Moisture Laboratory at (816) 702-3884, as early in the season as possible.

# Note: Do not submit any sample for the moisture survey if that same sample has been selected for the SIM monitoring program.

Attachments

### **Attachment 1: Moisture Sample Transmittal Tag**

Moisture Sample Transmittal Tag

Field Office or OSP Use Only:

OFFICE \_\_\_\_\_\_ MOISTURE \_\_\_\_\_

DATE \_\_\_\_\_ TEST WT. \_\_\_\_\_

COMMODITY

<u>TSD Use Only</u>: Date Received

 Moisture Sample Transmittal Tag

 Field Office or OSP Use Only:

 OFFICE \_\_\_\_\_\_\_ MOISTURE \_\_\_\_\_\_

 DATE \_\_\_\_\_\_\_ TEST WT. \_\_\_\_\_\_

 COMMODITY \_\_\_\_\_\_\_

<u>TSD Use Only</u>: Date Received

<u>Moistur</u>	e Sample Transmittal Tag	
Field Office or (	<u>OSP Use Only</u> :	
	MOISTURE	
DATE	TEST WT	
COMMODITY_		
TOD Llas Only	Data Bassivad	

TSD Use Only: Date Received

### Moisture Sample Transmittal Tag

Field Office or OSP Use Only:

OFFICE \_\_\_\_\_\_ MOISTURE \_\_\_\_\_\_

DATE \_\_\_\_\_\_ TEST WT. \_\_\_\_\_

COMMODITY \_\_\_\_\_

TSD Use Only: Date Received

### Moisture Sample Transmittal Tag

### Field Office or OSP Use Only:

OFFICE \_\_\_\_\_\_ MOISTURE \_\_\_\_\_\_

DATE \_\_\_\_\_\_ TEST WT. \_\_\_\_\_

COMMODITY \_\_\_\_\_

TSD Use Only: Date Received

 Moisture Sample Transmittal Tag

 Field Office or OSP Use Only:

 OFFICE \_\_\_\_\_\_ MOISTURE \_\_\_\_\_\_

 DATE \_\_\_\_\_\_ TEST WT. \_\_\_\_\_\_

 COMMODITY \_\_\_\_\_\_

TSD Use Only: Date Received

### Moisture Sample Transmittal Tag

Field Office or OSP Use Only:

OFFICE \_\_\_\_\_\_ MOISTURE \_\_\_\_\_\_

DATE \_\_\_\_\_\_ TEST WT. \_\_\_\_\_

TSD Use Only: Date Received

### Moisture Sample Transmittal Tag

### Field Office or OSP Use Only:

OFFICE \_\_\_\_\_\_ MOISTURE \_\_\_\_\_

DATE \_\_\_\_\_\_ TEST WT. \_\_\_\_\_

COMMODITY \_\_\_\_\_

<u>TSD Use Only</u>: Date Received

Table 1. Sample collection assignments, 2025 Crop Year									
1. Barley, Six-Rowed	Office	<u>7-10</u>	M <u>10-12</u>	loisture <u>12-14</u>	Range ( <u>14-16</u>	(%) <u>16-21</u>	<u>All</u>		
	OSP	14	14	14	14	4	60		
			Μ	loisture	Range	(%)			
2. Barley, Two-Rowed	Office	<u>7-10</u>		<u>12-14</u>	<u>14-16</u>	<u>16-21</u>	<u>All</u>		
	Washington	2	3	3	2	2	12		
	OSP	8	12	12	12	4	48		
3. Corn	Office	<u>6-12</u>	<u>12-14</u>	Мс <u>14-16</u>	oisture F <u>16-18</u>	%Range ( <u>18-22</u>	%) <u>22-26</u>	<u>26-32</u>	<u>All</u>
0. 00111	Toledo	2	5	6	5	5	4	3	<u>30</u>
	OSP	- 11	26	29	28	27	26	13	160
4. Oats	Office	<u>8-10</u>		ure Ran <u>12-14</u>	• • •	<u>All</u>			
	OSP	5	5	3	2	15			
	Special Request	8	8	6	3	25			
			Μ	loistura	Range	(%)			
5. Rough Rice, Long Grain	Office	<u>8-12</u>	<u>12-14</u>	<u>14-16</u>	<u>16-20</u>	<u>20-26</u>	<u>All</u>		
Long orall	Crowley	5	8	9	9	4	35		
	Stuttgart	7	10	10	10	8	45		
6. Rough Rice,	Office	<u>8-12</u>		loisture <u>14-16</u>	Range ( <u>16-21</u>	. ,	All		
Medium Grain		0-12	12-14	14-10	10-21	<u>21-20</u>			
	California Stuttgart	6 6	8	8 8	7 8	6 5	35 35		
	Stuttgart OSP	1	8 3	3	2	5 1	10		
			Μ	loisture	Range	(%)			
7. Sorghum	Office	<u>8-12</u>	<u>12-14</u>	<u>14-16</u>	<u>16-18</u>	<u>18-24</u>	<u>All</u>		
	OSP	8	14	16	15	7	60		
				Moiet	uro Don	$a_{0}(9/)$			
8. Soybeans	Office	<u>5-10</u>	<u>10-12</u>	<u>12-14</u>	ure Ran <u>14-16</u>	ge (%) <u>16-18</u>	<u>18-24</u>	<u>All</u> 30	
-	Toledo OSP	5 16	6 18	7 18	6 18	4 12	2	30 90	
		10	10	10	10	12	U	50	
9. Sunflower Seed,	Office	<u>4-8</u>	<u>8-10</u>	Moist 10-12	ure Ran <u>12-16</u>	ge (%) <u>16-20</u>	<u>20-28</u>	All	
Oil Type									
	DIOO	6	15	18	18	8	5	70	
10. Wheat, Durum	Office	<u>4-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-16</u>	<u>16-21</u>	<u>21-30</u>	<u>All</u>	
	California	1	3	3	1	1	1	10	
	OSP	8	14	13	10	4	1	50	

11. Wheat, Hard Red	Moisture Range (%) Office <u>6-10 10-12 12-14 14-16 16-21</u>						All
Spring				2			
	Washington OSP	2 6	3 15	2 17	2 15	1 7	10 60
		•				-	•••
12. Wheat, Hard Red	Office	<u>6-10</u>		loisture <u>12-14</u>	Range ( <u>14-16</u>	(%) <u>16-22</u>	<u>All</u>
Winter							
	Washington OSP	2 4	2 16	2 17	2 16	2 7	10 60
		-					00
13. Wheat, Hard	Noisture Range (%)						
White	Office	<u>6-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-16</u>	<u>All</u>	
	California	1	2	1	1	5	
	Washington	3	5	5	2	15 25	
	OSP	6	12	13	4	35	
					Range (		
14. Wheat, Soft Red	Office	<u>7-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-16</u>	<u>16-24</u>	<u>All</u>
	Toledo	4	4	4	4	4	20
	OSP	8	11	12	11	8	50
			M	loieturo	Range (	<b>(%)</b>	
15. Wheat, Soft White	Office	<u>7-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-16</u>	<u>16-24</u>	<u>All</u>
	Washington	5	8	9	8	5	35
	OSP	4	7	8	7	4	30
			M	loisture	Range (	<b>%</b> )	
16. Beans, Black	Office	<u>8-10</u>	<u>10-12</u>		<u>14-17</u>		<u>All</u>
	OSP	6	6	4	3	1	20
			Ν	loisture	Range (	(%)	
17. Beans, Blackeye	Office	<u>8-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-17</u>	<u>17-20</u>	<u>All</u>
_	OSP	6	6	4	3	1	20
			M	loisture	Range (	(%)	
18. Beans, Kidney	Office	<u>6-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-17</u>		<u>All</u>
	Washington	3	3	2	1	1	10
	OSP	3	3	2	1	1	10
			Ν	loisture	Range (	(%)	
19. Beans, Pink	Office	<u>6-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-17</u>	<u>17-20</u>	<u>All</u>
	OSP	6	6	4	3	1	20

Та	ble 1. Sample co	ollectio	n assigı	nments,	2025 Ci	rop Year	
				loisture	-		
20. Beans, Pinto	Office	<u>8-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-17</u>		<u>All</u>
	OSP	4	6	7	2	1	20
			_		_	(0/)	
21. Peas, Split	Office	<u>8-10</u>	₩ <u>10-12</u>	loisture <u>12-14</u>	Range ( <u>14-17</u>	(%) <u>17-20</u>	A 11
21. Feas, 5pm	OSP	4	<u>10-12</u> 5	<u>12-14</u> 5	4	2	<u>All</u> 20
	USP	4	5	5	4	2	20
					_		
22. Rice, Long Grain	Office	0 1 7			•		A 11
Brown	Office Stuttgart	<u>8-12</u> 8	<u>12-14</u> 8	<u>14-16</u> 7	<u>16-20</u> 5	<u>20-26</u> 2	<u>All</u> 30
	Stutigart	0	0	-	ure Ran		50
23. Rice, Medium	Office	<u>8-12</u>	<u>12-14</u>	<u>14-16</u>	<u>16-20</u>	• • •	<u>All</u>
Grain Brown	Stuttgart	4	4	3	2	2	15
	California	4	4	5	1	1	15
			Moist	ure Ran	ae (%)		
24. Rice, Short Grain	Office	<u>8-12</u>	<u>12-14</u>	<u>14-16</u>		<u>20-26</u>	<u>All</u>
Brown	California	7	8	8	5	2	30
		-	•	·	•	-	•••
			Ν	loisture	Range	(%)	
25. Canola	Office	<u>4-7</u>	<u>7-10</u>	<u>10-12</u>	<u>12-16</u>	<u>16-20</u>	<u>All</u>
	OSP	7	7	7	5	4	20
				loisture	-	• •	
26. Rapeseed	Office	<u>4-6</u>	<u>6-8</u>	<u>8-10</u>	<u>10-12</u>	<u>12-14</u>	<u>All</u>
	OSP	6	6	4	2	2	20
				Moiet	ure Ran	ao (%)	
27. Flaxseed	Office	<u>4-6</u>	<u>6-8</u>	<u>8-10</u>		<u>12-14</u>	<u>All</u>
	OSP	6	6	5	2	1	20
			M	loisture	Range	(%)	
28. Rice, Short Grain Rough	Office	<u>8-12</u>		<u>14-16</u>			<u>All</u>
Reagin	California	7	8	8	5	2	30
			Ν	loisture	Range	(%)	
29. Lentils	Office	<u>6-12</u>	<u>12-14</u>	<u>14-16</u>	<u> 16-18</u>	<u>18-22</u>	<u>All</u>
	OSP	2	2	2	2	2	10
	Moscow	2	2	2	2	2	10
			N	loisture	Range	(%)	
30. Beans, Great	Office		<u>8-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-17</u>	<u>All</u>
Northern	OSP		9	7	3	1	20

#### Table 1. Sample collection assignments, 2025 Crop Year

Table 1.	Sample collection	assignments,	2025 Crop Year
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	Moisture Range (%)							
31. Beans, Large Lima	Office		<u>8-10</u>	<u>10-12</u>	<u>12-14</u>	<u>14-17</u>	<u>All</u>	
	OSP		9	7	3	1	20	
			Ν	loisture	Range (	(%)		
32. Beans, Cranberry	Office		<u>8-10</u>		<u>12-14</u>		<u>All</u> 20	
	OSP		9	7	3	1	20	
			M	oisture I	Range (9	%)		
33. Sunflower Seed,	Office	<u>4-8</u>	<u>8-10</u>	<u>10-12</u>	<u>12-16</u>	<u>16-20</u>	<u>20-28</u>	<u>All</u>
Confectionary	OSP	8	8	8	8	6	2	40