



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE



**AMS - Federal Grain Inspection Service
GIAC Standardizing
Protein Moisture Basis Certification
May 2024**

Alternate Moisture (MB) Basis Result Reporting

- Standard MB
 - Wheat 12%, soybeans 13%, and barley and corn dry matter basis (0%)
- Wheat Certification
 - Standard MB, alternate MB, certificate statement
- Barley, Corn, and Soybeans Certification
 - Alternate MB only



Alternate MB Certificate Reporting Examples

Grade Certificates

GRADE/KIND

1

Yellow Soybeans

RESULTS

| | | | |
|------------------------|------|-------|------------------------|
| Damaged Kernels Total | 0.2 | % | |
| Foreign Material | 1.0 | % | |
| Heat-Damaged Kernels | 0.0 | % | |
| Moisture | 12.3 | % | |
| Oil | 19.1 | % | , 13.0% moisture basis |
| Protein | 33.3 | % | , 13.0% moisture basis |
| Splits | 4.1 | % | |
| Test Weight Per Bushel | 56.2 | lb/bu | |

GRADE/KIND

1

Yellow Soybeans

RESULTS

| | | | |
|--------------------------|------|-------|--------------------|
| Damaged Kernels Total | 0.0 | % | |
| Foreign Material | 0.0 | % | |
| Heat-Damaged Kernels | 0.0 | % | |
| Moisture | 13.3 | % | |
| Oil | 21.0 | % | , dry matter basis |
| Protein | 39.4 | % | , dry matter basis |
| Soybeans Of Other Colors | 0.0 | % | |
| Splits | 0.0 | % | |
| Test Weight Per Bushel | 56.6 | lb/bu | |

Protein and Oil Only Certificates

GRADE/KIND

No Grade

Yellow Soybeans

RESULTS

| | | | |
|---------|------|---|------------------------|
| Oil | 19.6 | % | , 11.0% moisture basis |
| Protein | 33.8 | % | , 11.0% moisture basis |

GRADE/KIND

No Grade

Yellow Soybeans

RESULTS

| | | | |
|---------|------|---|-------------------------|
| Oil | 19.2 | % | , as is moisture basis |
| Protein | 33.4 | % | , as is moisture basis. |

Current Issues With Alternate MB

- Soybeans
 - As-Is MB
 - Grade Certificates: official moisture
 - Separate Certificates (e.g., protein only): No official moisture and no numerical MB in result.

GRADE/KIND

No Grade

Yellow Soybeans

RESULTS

| | | | |
|---------|------|---|-------------------------|
| Oil | 19.2 | % | , as is moisture basis |
| Protein | 33.4 | % | , as is moisture basis. |

Current Issues With Alternate MB *continued*

- Continued requests to change MB before and after certification.
- Moisture of sample affects results – inversely proportional.
- FGIS is concerned with this practice – lack of transparency.

FGIS NIRT Reporting Instructions Timeline

- 2001 – New Wheat Protein Result Reporting
 - Industry asked FGIS to provide standardized instructions for wheat protein results.
 - As a result, requests for alternate MB results have stopped.
- 2020 – Policy Bulletin # 283
 - Continued requests for clarification
 - Revised NIRT Result Reporting for barley, corn, and soybeans
 - Rescinded after 13 days
- 2020 to Present
 - Continued requests for instruction clarification.
 - Continued requests to change reporting MB.

Option #1

- **Affects Both Grade and Separate Certificates**
- Identical to Wheat
 - Standard MB Result
 - Alternate MB Result
 - Certificate Statement
 - Use of “As-Is” is no longer allowed – must have numerical MB
 - Certificate results
 - Protein 34.6%, 13% MB; Protein 35.9%, 10.7% MB
 - Protein 35.7%, 10.7% moisture basis, which equates to Protein 34.6%, 13% moisture basis. Protein content is reported on an alternate moisture basis in addition to the standard 13% moisture basis at the applicant’s request.

Option #2

- **Affects Both Grade and Separate Certificates**
 - Alternate MB result
 - Use of “As-Is” no longer allowed – must have numerical MB
 - Certificate results
 - Protein 35.9%, As-Is MB (No longer allowed)
 - Protein 35.9%, 10.7% MB (Required)

Option #3

- **Affects Only Separate Certificates**
 - Original moisture included
 - Use of “As-Is” continued
 - Certificate results
 - Moisture 10.7%
 - Protein 35.9%, As-Is MB



In Summary

The Federal Grain Inspection Service (FGIS) seeks input from the Grain Inspection Advisory Committee regarding policy options that would standardize instructions for certifying protein, oil, and starch for wheat, barley, corn, and soybeans, specifically, in cases when results are requested on an alternate moisture basis (MB) and certified on a grade certificate or separate certificate.