

Program Notice

FGIS-PN-18-08

July 26, 2018

CHANGES TO UNITED STATES STANDARDS FOR BARLEY
EFFECTIVE AUGUST 1, 2018

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1. PURPOSE

This notice is to inform official personnel and stakeholders about changes to official inspection instructions as a result of amendments to the U.S. Standards for Barley, effective August 1, 2018.

2. REPLACEMENT HIGHLIGHTS

This program notice supersedes several tables and information in the Grain Inspection Handbook, Book II and Book III. Retain this notice until all handbooks, and program directives have been updated to reflect the format changes. Official agency software providers must update their current certification software to comply with the new certification and IDW requirements.

3. BACKGROUND

On May 5, 2017, FGIS issued a final rule in the Federal Register which made several changes to the U.S. Standards for Barley based on feedback from public comments (82 FR 20541). Under the United States Grain Standards Act (USGSA), changes to the grain standards are not effective until the beginning of the following marketing year, which is August 1, 2018, for barley (7 U.S.C. 76(b)).

The changes to the barley standards eliminate the subclass Six-rowed Blue Malting barley and harmonize the grade requirements and definitions for Six-rowed Malting barley and Two-Rowed Malting barley, except for test weight and thin barley.

4. UPDATES

The following outlines the changes that will be made to Book II and Book III of the Grain Inspection Handbook.

a. Book II – Grading Procedures.

- (1) The subclass Six-rowed Blue Malting barley is eliminated. Ignore any references to this subclass or to “blue aleurone layers.” Kernel texture can still be determined as an official criteria factor upon request.
- (2) The grading standards for Six-rowed Malting barley and Two-rowed Malting barley are revised. Table Nos. 1 and 2 of Chapter 2 will be updated to reflect this revision. They are printed here for reference.

TABLE NO. 1. GRADES AND GRADE REQUIREMENTS

SIX-ROWED MALTING BARLEY									
Grade	Minimum Limits of -			Maximum Limits of -					
	Test weight per bushel (pounds)	Suitable malting type (percent)	Sound barley¹ (percent)	Damaged kernels¹ (percent)	Wild oats (percent)	Foreign material (percent)	Other grains (percent)	Skinned and broken kernels (percent)	Thin barley* (percent)
U.S. No. 1	47.0	97.0	98.0	2.0	1.0	0.5	2.0	4.0	7.0
U.S. No. 2	45.0	97.0	98.0	3.0	1.0	1.0	3.0	6.0	10.0
U.S. No. 3	43.0	95.0	96.0	4.0	2.0	2.0	5.0	8.0	15.0
U.S. No. 4	43.0	95.0	93.0	5.0	3.0	3.0	5.0	10.0	15.0

TABLE NO. 2. GRADES AND GRADE REQUIREMENTS

TWO-ROWED MALTING BARLEY									
Grade	Minimum Limits of -			Maximum Limits of -					
	Test weight per bushel (pounds)	Suitable malting type (percent)	Sound barley¹ (percent)	Damage Kernels (percent)	Wild Oats (percent)	Foreign material (percent)	Other grains (percent)	Skinned and broken kernels (percent)	Thin barley* (percent)
U.S. No. 1	50.0	97.0	98.0	2.0	1.0	0.5	2.0	4.0	5.0
U.S. No. 2	48.0	97.0	98.0	3.0	1.0	1.0	3.0	6.0	7.0
U.S. No. 3	48.0	95.0	96.0	4.0	2.0	2.0	5.0	8.0	10.0
U.S. No. 4	48.0	95.0	93.0	5.0	3.0	3.0	5.0	10.0	10.0

(3) Limits for injured-by-mold kernels and mold-damaged kernels are being added to the definition of Six-rowed Malting barley. Table No. 9 of Chapter 2 will be updated to match this revised definition. It is printed here for reference.

TABLE NO. 9

MALTING FACTORS						
Subclass	Maximum limits of:					
	Frost Damage	Injured-by-Frost	Heat Damage	Injured-by-Heat	Mold Damage	Injured-by-Mold
Six-rowed Malting and Two-rowed Malting	0.4%	1.9%	0.1%	0.2%	0.4%	1.9%
Basis of Determination	25 g	25 g	50 g	50 g	25 g	25 g

b. Book III – Inspection Procedures.

The change to the barley standards also updates the grade limits and breakpoints for the Cusum inspection tolerance tables. Table 1 and Table 2 in Chapter 1 will be updated with the new tolerances. They are printed below for reference.

TABLE 1 - GRADE LIMITS (GL) AND BREAKPOINTS (BP) FOR SIX-ROWED MALTING BARLEY

Grade	Minimum limits of-						Maximum limits of-											
	Test weight per bushel (pounds)		Suitable malting type (percent)		Sound barley ¹ (percent)		Damaged kernels ¹ (percent)		Wild oats (percent)		Foreign material (percent)		Other Grains (percent)		Skinned and broken kernels (percent)		Thin barley (percent)	
	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP
U.S. No. 1	47.0	- 0.5	97.0	- 1.0	98.0	- 0.8	2.0	0.8	1.0	0.6	0.5	0.1	2.0	0.8	4.0	1.1	7.0	0.6
U.S. No. 2	45.0	- 0.5	97.0	- 1.0	98.0	- 0.8	3.0	0.9	1.0	0.6	1.0	0.4	3.0	0.9	6.0	1.4	10.0	0.9
U.S. No. 3	43.0	- 0.5	95.0	- 1.3	96.0	- 1.1	4.0	1.1	2.0	0.8	2.0	0.5	5.0	1.3	8.0	1.5	15.0	0.9
U.S. No. 4	43.0	- 0.5	95.0	- 1.3	93.0	- 1.1	5.0	1.3	3.0	0.9	3.0	0.6	5.0	1.3	10.0	1.6	15.0	0.9

TABLE 2 - GRADE LIMITS (GL) AND BREAKPOINTS (BP) FOR TWO-ROWED MALTING BARLEY

Grade	Minimum limits of-						Maximum limits of-											
	Test weight per bushel (pounds)		Suitable malting type (percent)		Sound barley ¹ (percent)		Damaged kernels (percent)		Wild Oats (percent)		Foreign material (percent)		Other Grains (percent)		Skinned and broken kernels (percent)		Thin barley (percent)	
	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP	GL	BP
U.S. No. 1	50.0	- 0.5	97.0	- 1.0	98.0	-0.8	2.0	0.8	1.0	0.6	0.5	0.1	2.0	0.8	4.0	1.1	5.0	0.4
U.S. No. 2	48.0	- 0.5	97.0	- 1.0	98.0	-0.8	3.0	0.9	1.0	0.6	1.0	0.4	3.0	0.9	6.0	1.4	7.0	0.5
U.S. No. 3	48.0	- 0.5	95.0	- 1.3	96.0	-1.1	4.0	1.1	2.0	0.8	2.0	0.5	5.0	1.3	8.0	1.5	10.0	0.9
U.S. No. 4	48.0	- 0.5	95.0	- 1.3	93.0	-1.1	5.0	1.3	3.0	0.9	3.0	0.6	5.0	1.3	10.0	1.6	10.0	0.9

c. FGISonline.

The Agricultural Product Standards (APS) module in FGISonline will be updated on August 1 to properly reflect the revised standards.

Note: Official service providers that use third-party software for certification must ensure their grade standards are updated to reflect this change on August 1.

5. QUESTIONS

Direct any questions concerning this program notices to the Policies, Procedures, and Market Analysis Branch (PPMAB) at (202) 720-0228.