

## Grain Grading Answer Sheet Purdue Invitational 2010

GRADE AND KIND								
U.S. No. 4      Yellow Corn, Infested								
TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*56.0 lbs	* 13.2%	*0.6 %	0.6 %	%	%	2.5%	%	%

Sample #1	REMARKS
-----------	---------

GRADE AND KIND								
U.S. Sample Grade      White Corn								
TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*56.0 lbs	*14.0%	%	1.0%	%	%	2.9%	%	%

Sample #2	REMARKS  *Cocklebur
-----------	---------------------------

GRADE AND KIND								
U.S. 5      Yellow Corn								
TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*52.5 lbs	*14.1 %	%	%	%	%	*5.4 %	%	%

Sample #3	REMARKS
-----------	---------

GRADE AND KIND								
U.S. Sample Grade      Yellow Corn								
TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*56.4 lbs	*12.0%	%	2.1%	%	%	6.0%	%	%

Sample #4	REMARKS  *Commercially Objectionable Foreign Odor
-----------	---

**GRADE AND KIND**  
**U.S. No. 4 Mixed Soybeans**

TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*56.0lbs	*13.7 %	%	4.2%	*3.2 %	11.5 %	%	%	%

Sample #5

REMARKS  
 \*Yellow Soybeans 88.6%  
 \*Bi-color Soybeans 11.4%

**GRADE AND KIND**  
**U.S. No. 4 Mixed Soybeans**

TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*54.0 lbs	*12.2%	%	%	*3.9%	27.0 %	%	%	%

Sample #6

REMARKS  
 \*Black Soybeans 100.0%

**GRADE AND KIND**  
**U.S. No. 5 Soft Red Winter Wheat, Dockage 5.8%**

TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*60.0lbs	*13.2%	*2.0%	4.8 %	2.0%	%	%	5.5%	*12.3%

Sample #7

REMARKS

**GRADE AND KIND**  
**U.S. No. 4 Soft Red Winter Wheat, Dockage 5.5%**

TEST WEIGHT PER BUSHEL	MOISTURE	HEAT DAMAGED KERNELS	DAMAGED KERNELS (TOTAL)	FOREIGN MATERIAL	SPLITS	BROKEN CORN AND FOREIGN MATERIAL	SHRUNKEN AND BROKEN KERNELS	DEFECTS (TOTAL)
*61.0 lbs	*13.6%	%	1.1 %	*1.4 %	%	%	3.1%	5.6%

Sample #8

REMARKS  
 Wheat of Other Classes (Total) 3.5%