Hard Red Winter Wheat

## Sample

|  |  |
| --- | --- |
| Lot # | 2106-256 |
| Base price  | $4.50/bushel |
| Test weight:  | 58 pounds per bushel |
| Moisture %: | 13.8% |
| Dockage: | .8% |
| Heat Damage: | 0% |
| Damaged kernels: | 1.8% |
| Foreign material: | 1% |
| Shrunken or broken kernels: | 8% |
| Ergot | 0% |
| Contrasting Classes | 0% |
| Wheat of other classes | 0% |

## USDA Wheat Grades

|  |  |
| --- | --- |
| Grading factors | Grades U.S. Nos.  |
| 1 | 2 | 3 | 4 | 5 |
| Minimum pound limits of: |
| Test weight per bushel Hard Red Spring wheat or White Club wheat All other classes and subclasses  | 58. 0 60.0  | 57.0 58.0  | 55.0 56.0  | 53.0 54.0  | 50.0 51.0  |
| Maximum percent limits of: |
| Defects: |  |  |  |  |  |
|  Damaged kernels  |  |  |  |  |  |
|  Heat (part of total)  | 0.2  | 0.2  | 0.5  | 1.0  | 3.0  |
|  Total  | 2.0  | 4.0  | 7.0  | 10.0 | 15.0 |
|  Foreign material  | 0.4  | 0.7  | 1.3  | 3.0  | 5.0  |
|  Shrunken and broken kernels  | 3.0  | 5.0  | 8.0  | 12.0  | 20.0  |
|  Total 1/  | 3.0  | 5.0  | 8.0  | 12.0 | 20.0  |
| Wheat of other classes: 2/ |  |  |  |  |  |
|  Contrasting classes  | 1.0  | 2.0  | 3.0  |  10.0  | 10.0  |
|  Total 3/  | 3.0  | 5.0  | 10.0  |  10.0  | 10.0 |
|  Stones  | 0.1  | 0.1  | 0.1 | 0.1  | 0.1  |
| Maximum count limits of: |
| Other material in one kilogram: |  |  |  |  |  |
|  Animal filth | 1  | 1  | 1  | 1  | 1  |
|  Castor beans | 1  | 1  | 1  | 1  | 1  |
|  Crotalaria seeds  | 2  | 2  | 2  | 2  | 2  |
|  Glass | 0  | 0  | 0  | 0  | 0  |
|  Stones  | 3  | 3  | 3  | 3  | 3  |
|  Unknown foreign substances  | 3  | 3  | 3  | 3  | 3  |
|  Total 4/  | 4  | 4  | 4  | 4  | 4  |
|  Insect-damaged kernels in 100 grams  | 31  | 31  | 31  | 31  | 31  |
| U.S. Sample grade is Wheat that:(a) Does not meet the requirements for U.S. Nos. 1, 2, 3, 4, or 5; or (b) Has a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor) or(c) Is heating or of distinctly low quality.\_\_\_\_\_\_\_\_\_ 1/ Includes damaged kernels (total), foreign material, shrunken and broken kernels. 2/ Unclassed wheat of any grade may contain not more than 10.0 percent of wheat of other classes. 3/ Includes contrasting classes. 4/ Includes any combination of animal filth, castor beans, crotalaria seeds, glass, stones, or unknown foreign substance.  |

# Wheat Grain Grading Discount Schedule

**Test Weight (TW) or Bushel Weight:**

60 pounds per bushel is the minimum

2 cents per pound discount for every pound under 60 pounds/bushel weight

For example:  58 pound test weight will be a 4 cent discount

|  |  |
| --- | --- |
| **Defect** | **Discount/Bu** |
| **Moisture %** |  |
| Less than 13.5% | 0 cents |
| 13.5 to 14.0%  | 3 cents |
| 14.1 to 14.5  | 6 cents |
| 3 cents per bushel per .5% over moisture |
| **Dockage** |  |
| 0 to .2%  | 0 |
| .3 to .7%  | 3 cent  |
| .8 to 1.2%  | 6 cent  |
| **Heat Damage** |  |
| Less than .3%  | 0 |
| .3 to .5% -  | 10 cents |
| **Damaged Kernels** |  |
| Less than .5% | 0 |
| .5% -  | 3 cents |
| .6 - 1.0% | 6 cents  |
| 1.1 - 1.5% | 9 cents  |
| 1.6 - 2% | 12 cents  |
| **Foreign Material** |  |
| Less than .5% | 0 |
| .5 to .9%  | 3 cents |
| 1 to 1.4% | 6 cents  |
| 1.5 to 1.9%  | 9 cents  |
| **Defect** | **Discount/Bu** |
| **Shrunken or Broken %** |  |
| Less than 4% | 0 |
| 4-5% | 2 cents  |
| 6-7% | 4 cents  |
| 7-8%  | 6 cents |
| **Ergot** |  |
| 0-.05% | 0 |
| Above .05% | 15 cents |
| **Contrasting Classes** |  |
| 0-1% | 0 |
| 1.1%-2% | 5 cents  |
| 2.1%-3% | 10 cents  |
| 3.1-10%  | 15 cents |
| Discount is 5 cents per bushel per grade |
| **Wheat of other Classes** |  |
| Only take this discount if not taking a discount from contrasting classes of wheat |
| 0- 3% | 0 |
| 3.1%-5% | 3 cents |
| 5.1-10% | 6 cents |
| Discount is 3 cents per bushel per grade |

WHEAT GRADING SCORE CARD KEY

FFA GRAIN INSPECTION SERVICE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name |  | Contestant # |  | Date |
| KEY |  |  |  | 2/4/2017 |
| IDENTIFICATION AND LOT |  |  |  |  |
|  |  |  |  |  |
| GRADE AND KIND |  |  |  | BASE PRICE |
| US #4, Hard Red Winter Wheat |  | $4.50 |
|  |  | Amounts |  | Discounts |
| Test weight (lb./bu) |  | 58 lb. |  | .04 |
| Moisture% |  | 13.8 % |  | .03 |
| Dockage% |  | .8 % |  | .06 |
| Heat damaged kernels% |  | 0 % |  | 0 |
| Damaged kernels (total)% |  | 1.8 % |  | .12 |
| Foreign material% |  | 1 % |  | .06 |
| Shrunken or broken% |  | 8 % |  | .06 |
| Total Defects% |  | 10.8% |  |  |
| Ergot% |  | 0% |  | 0 |
| Contrasting classes% |  | 0% |  | 0 |
| Wheat of other classes% |  | 0% |  | 0 |
|  Total% |  | 0% |  |  |
|  |  |  |  |  |
| U.S. Sample Grade Factors |  |  |  |  |
| Special Factors |  |  |  |  |
| Other |  |  |  |  |
| Total Discounts |  |  |  | 0.37 |
|  |  | **Final Price** |  | $4.13 |

Scoring: Grade=25-12=13, Final Price=25-12=13, all other entries 1 point each.

WHEAT GRADING SCORE CARD EXAMPLE

FFA GRAIN INSPECTION SERVICE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name |  | Contestant # |  | Date |
| Mary Smith |  | 24 |  | 2/4/2017 |
| IDENTIFICATION AND LOT |  |  |  |  |
|  |  |  |  |  |
| GRADE AND KIND |  |  |  | BASE PRICE |
| US #4, Hard Red Winter Wheat |  | $4.50 |
|  |  | Amounts |  | Discounts |
| Test weight (lb./bu) |  | 58 lb. |  | .04 |
| Moisture% |  | 13.8 % |  | .03 |
| Dockage% |  | .8 % |  | 0 |
| Heat damaged kernels% |  | 0 % |  | 0 |
| Damaged kernels (total)% |  | 1.8 % |  | .12 |
| Foreign material% |  | 1 % |  | .06 |
| Shrunken or broken% |  | 8 % |  | .06 |
| Total Defects% |  | 10.8% |  |  |
| Ergot% |  | 0% |  | 0 |
| Contrasting classes% |  |  |  |  |
| Wheat of other classes% |  |  |  |  |
|  Total% |  |  |  |  |
|  |  |  |  |  |
| U.S. Sample Grade Factors |  |  |  |  |
| Special Factors |  |  |  |  |
| Other |  |  |  |  |
| Total Discounts |  |  |  | 0.37 |
|  |  | **Final Price** |  | $4.13 |

Score:25-3+25-17=30. Incorrect or missing entries minus 1 point.