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.