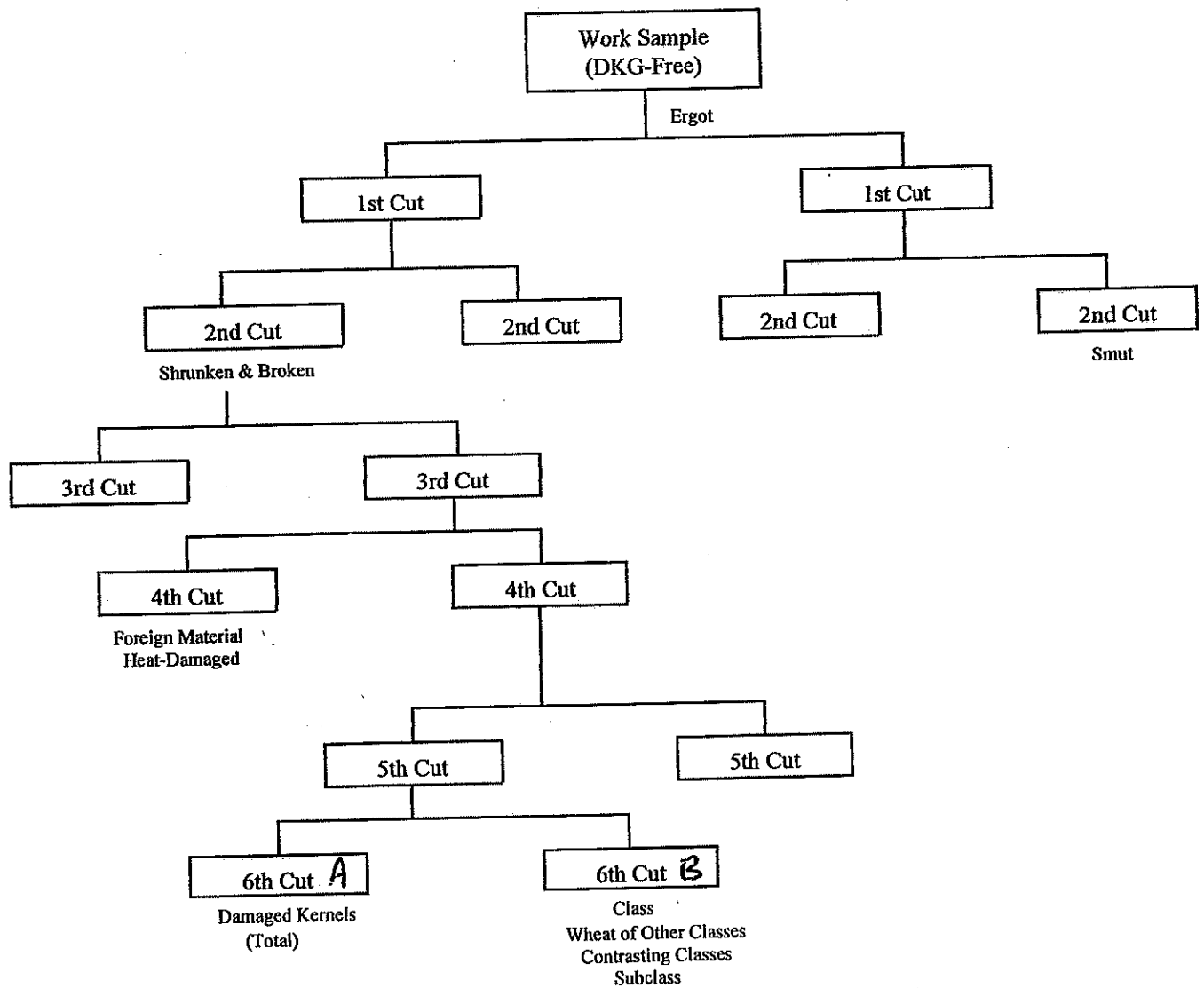


CHART 2 - DIVIDING THE WORK SAMPLE



13.3 GRADES AND GRADE REQUIREMENTS

Wheat is divided into eight classes: Durum wheat, Hard Red Spring wheat, Hard Red Winter wheat, Soft Red Winter wheat, Hard White wheat, Soft White wheat, Unclassed wheat, and Mixed wheat. Hard Red Spring wheat, Durum wheat, and Soft White wheat are divided into subclasses.

Each class and subclass are divided into five numerical grades and U.S. Sample Grade. Special grades emphasize qualities or conditions affecting the value and are added to and made a part of the grade designation. Special grades do not affect the numerical or sample grade designation.

TABLE 13.1 – GRADES AND GRADE REQUIREMENTS FOR WHEAT

Grade	Minimum Limits of -		Maximum Limits of -						
	Test Weight per bushel		Damaged Kernels			Shrunken and Broken Kernels (percent)	Defects ¹ (percent)	Wheat of Other Classes ²	
	Hard Red Spring Wheat or White Club	All Other Classes and Subclasses (pounds)	Heat Damage (percent)	Total (percent)	Foreign Material (percent)			Contrasting Classes (percent)	Total ³ (percent)
U.S. No 1	58.0	60.0	0.2	2.0	0.4	3.0	3.0	1.0	3.0
U.S. No. 2	57.0	58.0	0.2	4.0	0.7	5.0	5.0	2.0	5.0
U.S. No. 3	55.0	56.0	0.5	7.0	1.3	8.0	8.0	3.0	10.0
U.S. No. 4	53.0	54.0	1.0	10.0	3.0	12.0	12.0	10.0	10.0
U.S. No. 5	50.0	51.0	3.0	15.0	5.0	20.0	20.0	10.0	10.0

U.S. Sample Grade is wheat that:

- Does not meet the requirements for grades U.S. No.1, 2, 3, 4, or 5; or
- Contains 4 or more stones or any number of stones which have an aggregate weight in excess of 0.1 percent of the sample weight, 1 or more pieces of glass, 3 or more crotalaria seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 2 or more rodent pellets, bird droppings, or an equivalent quantity of other animal filth per 1,000 grams of wheat; or
- Contains 5 or more animal filth, castor beans, crotalaria seeds, glass, stones, or unknown foreign substance(s) in any combination; or
- Has a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor); or
- Is heating or otherwise of distinctly low quality; or
- Contains more than 31 insect-damaged kernels in 100 grams.

¹ Defects include damaged kernels (total), foreign material, and shrunken and broken kernels. The sum of these three factors may not exceed the limit for defects for each numerical grade.

² Unclassed wheat of any grade may contain no more than 10.0 percent of wheat of other classes.

³ Includes contrasting classes.

Grade Mixed wheat according to the U.S. numerical and U.S. Sample Grade requirements of the predominating class in the mixture. Wheat of other classes and contrasting classes are not applicable to Mixed wheat.

Wheat Discount Schedule

Test Weight	
#/Bu	Discount
58.0 and Above	None
57.0 - 57.9	\$0.01
56.0 - 56.9	\$0.02
55.0 - 55.9	\$0.03
54.0 - 54.9	\$0.05
53.0 - 53.9	\$0.10
52.9 and Below	Reject

Moisture	
%	Discount
13.5 and Below	None
13.6 - 14.0	\$0.05
14.1 - 15.0	\$0.10
15.1 - 16.0	\$0.15
16.1 - 17.0	\$0.20
17.1 - 18.0	\$0.25
18.1 and Above	Reject

Damage Kernels Total	
%	Discount
4.0 and Below	None
4.1 - 5.0	\$0.01
5.1 - 6.0	\$0.05
6.1 - 7.0	\$0.07
7.1 - 8.0	\$0.10
8.1 - 10.0	\$0.20
10.1 and Above	Reject

Heat Damage	
%	Discount
0.5 and Below	None
0.6 and Above	Reject

Garlic Bulbs	
	Discount
2 to 5 Green	\$0.25
6 and Above	Reject

Vomitoxin	
ppm	Discount
2 ppm - 5 ppm	\$0.50
6 ppm or Above	Reject

Foreign Material	
%	Discount
0.5 and Below	None
0.6 - 1.0	\$0.05
1.1 - 1.5	\$0.10
1.6 and Above	Reject

Shrunken & Broken Kernels	
%	Discount
3.0 and Below	None
3.1 - 5.0	\$0.03
5.1 - 10.0	\$0.05
10.1 and Above	Reject

Falling Numbers	
	Discount
276 and Above	\$0.00
250 - 275	\$0.25
249 and Below	Reject

Addition Discounts	
Dockage - \$0.01 per percent or Fraction there of	
	Discount
Musty or Sour	\$0.10
Infested	\$0.10
Heavily Infested (more than 10 bugs injurious to stored grain)	Reject
Commercially Objectional Foreign Odor (COFO)	Reject
All Other Sample Grade Factors	Reject