

## **Example Canola Problem Explanation**

**The moisture of 10.4% does not affect the numerical grade, but does have a discount of 1 % of the price. On the scorecard, 10.4% should be recorded by moisture in the amounts column. The discount on the discount schedule is 1% of price. 1 % of \$13 cwt is \$0.13 and should be recorded by moisture under the discount column.**

**Heat damage of 0.3% should be recorded by heat damage under the amounts column. The discount schedule shows a discount of \$0.91/cwt and this should be recorded by heat damage under the discount column.**

**Distinctly Green damage of 2.1% should be recorded by distinctly green under the amounts column. The discount schedule shows a discount of \$0.23/cwt and this should be recorded in the discount column.**

**Other damage of 3.1% should be recorded by other damages under the amounts column. The discount schedule shows a discount of \$0.45/cwt. This should be recorded by other damage under the discount column.**

**For discount purposes, record individual damages and discounts on the appropriate line. To determine the numerical grade, Distinctly Green and Heat Damage have their own grade factor and are also added together to get total damage. In this case Heat Damage of 0.3% will grade No. 2. Distinctly Green of 2.1% will also grade No. 2 Then, these are added to other damages for total damage.  $2.1\% + 3.1\%$  and  $0.3\% = 5.5\%$  also grading No.2**

**Dockage is determined by a mechanically separated material and a handpicked conspicuous Admixture. To determine the**

total dockage to put on the grade line, add all conspicuous admixture and mechanically separated dockage together. Be aware that conspicuous admixtures are grade factors as well. For the purpose of this contest and for discounts, the dockage line will be for mechanically separated dockage only, as the conspicuous admixtures have their own individual lines. While all dockage is removed from the weight, for contest purposes, take the percent dockage from the price. Round the discount to the nearest penny.

Ergot of .04% will be recorded by Ergot under the amount column. Deduct the price by \$0.01 when rounded to the nearest penny. ( $.0004 \times \$13 = \$0.005$ ) Record \$0.01 under the discount column. 0.04% ergot will grade No.1

4.2% Dockage removed by machine will be recorded by Dockage. 4.2% of \$13/cwt is \$0.55 when rounded. This should be recorded by dockage under the discount column.

Other Conspicuous Admixture of 1.2% will be recorded under the amount column next to other conspicuous admixture. Record the discounted price of \$0.16 under the discount column.

Total conspicuous admixture is 1.24% and will grade No.2  
The dockage on the grade line will be  $0.004\% + 4.2\% + 1.2\% = 5.44\%$  or 5.4% when rounded to the nearest tenth.

The grade on the grade line will be U.S. No. 2 Canola, Dockage 5.4%

