

Grain Grading Problems & Worksheet
2022 State Contest

<p><u>Sample #1</u></p> <p>Yellow Corn Popcorn 3.6% Test Weight (lb/bu) 52.3 Moisture 12.43% Material thru 12/64 sieve 1.03% Frost Damage 0.78% Heat Damage 0.2% 1 Piece of Glass Natural Odor</p>	<p>Test wt _____ Heat damage _____</p> <p>Moisture _____ BCFM/FM _____</p> <p>DKT _____ Split/Defect _____</p> <p>Odor _____ Shru & Brkn _____</p> <p>_____</p>
<p><u>Sample #2</u></p> <p>Yellow Corn with more than 50% red streaked Moisture 13.18% Test Weight (lb/bu) 54.99 Material thru 12/64 sieve 1.3% Heat damage 1.4% Insect damage 2.5% Insect Chewed 1.5% 1 Live Weevil 5 Injurious insects Natural Odor</p>	<p>Test wt _____ Heat damage _____</p> <p>Moisture _____ BCFM/FM _____</p> <p>DKT _____ Split/Defect _____</p> <p>Odor _____ Shru & Brkn _____</p> <p>_____</p>
<p><u>Sample #3</u></p> <p>Black Soybeans Material through 8/64" sieve 3.22% Moisture 16.07% Test Weight (lb/bu) 56.89 Pieces of soybean (<3/4 seed) 11.2% Frost damaged soybeans 1.8% Pink molded soybeans 2.1% 8 bird droppings 2 unknown foreign substances 1 Crotalaria Seed Natural Odor</p>	<p>Test wt _____ Heat damage _____</p> <p>Moisture _____ BCFM/FM _____</p> <p>DKT _____ Split/Defect _____</p> <p>Odor _____ Shru & Brkn _____</p> <p>_____</p>
<p><u>Sample #4</u></p> <p>Yellow Soybeans 95.4% Black Soybeans 4.6% Test weight (lb/bu) 54.2 Moisture 13.24% Sprout damaged soybeans 3.7% Splits 11.5% Dry Garlic Bulbs 10 Natural odor</p>	<p>Test wt _____ Heat damage _____</p> <p>Moisture _____ BCFM/FM _____</p> <p>DKT _____ Split/Defect _____</p> <p>Odor _____ Shru & Brkn _____</p> <p>_____</p>

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Sample #5

Soft Red Winter Wheat	
Polish wheat	5.65%
Dockage (1000 grams)	53.8
Moisture	14.01%
Test weight (lb/bu)	56
Ergot	0.6%
Shrunken & broken kernels	3.48%
4 stones	

Test wt _____	Heat damage _____
Moisture _____	BCFM/FM _____
DKT _____	Split/Defect _____
Odor _____	Shru & Brkn _____
_____	_____

Sample #6

Soft Red Winter Wheat	
Durum Wheat	2.9%
Dockage (1000 grams)	52.10
Moisture	13.2%
Test weight (lb/bu)	58.0
Shrunken & broken kernels	1.5%
Ground Damaged soybeans	2.3%
Natural odor	

Test wt _____	Heat damage _____
Moisture _____	BCFM/FM _____
DKT _____	Split/Defect _____
Odor _____	Shru & Brkn _____
_____	_____