RST Quiz 16
Calc and Vigor
[redacted]
Sixth Quarter

Name _____

A). What is the minimum weight for analysis of the following mixtures:

	Kind	% in sample as determined by label, test report or estimate	Weight of purity working sample in grams (Table 1)
1)	Red Fescue	35.00	3.00
	Tall Fescue	15.00	5.00
	Ryegrass	10.00	5.00
	Ky. Bluegrass	20.00	1.00
2)	Ky. Bluegrass	30.46	1.00
	Red Fescue	25.03	3.00
	Bentgrass	10.10	0.25
3)	Western Wheatgrass	40.95	5.00
	Slender Wheatgrass	30.05	7.00
	Ryegrass	10.00	5.00
	Tall Fescue	5.05	5.00

B). Complete the following for analysis purity:

	Kind	Weight grams
4)	White clover	1.075
	Alsike clover	0.995
	Other Crop	0.225
	Inert Matter	0.010
	Weeds	0.035
5)	Red Fescue	0.560
	Tall Fescue	2.478
	Other Crop	0.180
	Inert Matter	0.050
	Weeds	0.050

C). Multiple Units Calculation:

6) For a single species of Festuca ruba the purity analysis results were:

Components	Weight in grams
Single units	3.100
Multiple units	0.150
Other crop	0.008
Inert Matter	0.002
Weed Seed	0.015

Fill in the following information:

	Weight	Percentages
Pure Seed		
Other Crop		
Inert Matter		
Weed Seed		

7) For a single species of Bromus inermus the purity analysis results were:

Components	Weight in grams
Single units	4.123
Multiple units	0.992
Other crop	0.090
Inert Matter	0.145
Weed Seed	0.057

Fill in the following information:

	Weight	Percentages
Pure Seed		
Other Crop		
Inert Matter		
Weed Seed		

8) Define vigor:

9) How does vigor differ from germination?

10) Which declines first, vigor or germination?

11) Name the crop(s) that Accelerated Aging is list as a suggested vigor procedure.

12) Name the crop(s) that Accelerated Aging is list as a recommended vigor procedure.

13) What is the difference between a suggested and recommended procedure?

14) Describe the principles of the conductivity test. When would it be useful?

w/jcf/rst16