

Pasture Management Professional Development Workshop

Mount Vernon R&E Center, Washington State University

Turning Results by Question

Pre-test	Post-test	Change
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Session Name: New Session 4-22-2014 8-36 AM

Created: 4/22/2014 8:00:47 AM

Note: Green text indicates correct response(s)

2.) Certified seed usually comes directly from registered seed? (T/F)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
True	64%	27	82%	36	17.5%	17.5%
False	30%	15	18%	8	-11.8%	
<b>Totals</b>	<b>100%</b>	<b>42</b>	<b>100%</b>	<b>44</b>		

3. PLS is calculated: (Multiple Choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
(%Purity/%Germination)	36%	15	16%	7	0%	
<b>(%Purity x %Germination) /100 ( c )</b>	<b>55%</b>	<b>23</b>	<b>84%</b>	<b>36</b>	<b>29.0%</b>	<b>29.0%</b>
(Cost of seed) /(Seeding rate)	7%	3	0%	0	-7.1%	
(Pounds of seed)x (Seed Cost)	2%	1	0%	0	-2.4%	
<b>Totals</b>	<b>100%</b>	<b>42</b>	<b>100%</b>	<b>43</b>		

4.) What is the best buy? (multiple choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
<b>Bullet seed at \$3.00/lb</b>	<b>79%</b>	<b>33</b>	<b>95%</b>	<b>40</b>	<b>16.7%</b>	<b>16.7%</b>
VNS seed at \$2.80/lb.	21%	9	5%	2	-16.7%	
<b>Totals</b>	<b>100%</b>	<b>20</b>	<b>100%</b>	<b>42</b>		

5.) If germination is 90% and purity is 90%, what is the PLS Index? (multiple choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
18	12%	5	7%	3	0%	
90	33%	14	5%	2	-27.8%	
99	2%	1	0%	0	-2.3%	
<b>81</b>	<b>53%</b>	<b>23</b>	<b>88%</b>	<b>37</b>	<b>34.6%</b>	<b>34.6%</b>
<b>Totals</b>	<b>100%</b>	<b>43</b>	<b>100%</b>	<b>42</b>		

6.) Where do cool-season grasses store the most energy for respiration during dormancy and regrowth? (multiple choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
Roots	30%	13	7%	3	-22.7%	
Leaves	2%	1	2%	1	0.0%	
<b>Stem bases and lower sheaths</b>	<b>68%</b>	<b>30</b>	<b>91%</b>	<b>40</b>	<b>22.7%</b>	<b>22.7%</b>
Seed	0%	0	0%	0	0.0%	
<b>Totals</b>	<b>100%</b>	<b>44</b>	<b>100%</b>	<b>44</b>		

7.) Bacteria fix nitrogen in legume root nodules. Nodules are \_\_\_\_ (color) when actively fixing N? (multiple choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
Green	0%	0	0%	0	0%	
White	29%	12	5%	2	-23.9%	
<b>Red or pink</b>	<b>69%</b>	<b>29</b>	<b>95%</b>	<b>41</b>	<b>26.3%</b>	<b>26.3%</b>
Grey	2%	1	0%	0	-2.4%	
<b>Totals</b>	<b>100%</b>	<b>42</b>	<b>100%</b>	<b>43</b>		

8.) Forage plants are very photosynthetically efficient because they capture more than 50% of the solar radiation and have 99% conversion of energy. (Multiple Choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
True	65.9%	27	13%	5	-53.4%	
<b>False</b>	<b>34.2%</b>	<b>14</b>	<b>87.5%</b>	<b>35</b>	<b>53.4%</b>	<b>53.4%</b>
<b>Totals</b>	<b>100%</b>	<b>41</b>	<b>100%</b>	<b>40</b>		

9.) The accumulation of successive \_\_\_\_\_ differentiated from a single apical meristem defines the tiller. (multiple choice)

	Responses (percent) (count)		Responses (percent) (count)		Change (percent)	
<b>Phytomers</b>	<b>18.6%</b>	<b>8</b>	<b>70.5%</b>	<b>31</b>	<b>51.9%</b>	<b>51.9%</b>
Leaves	23.3%	10	20.5%	9	-2.8%	
Culms	18.6%	8	0.0%	0	-18.6%	
Rhizomes	11.6%	5	4.5%	2	-7.1%	
Sheaths	27.9%	12	4.5%	2	-23.4%	
<b>Totals</b>	<b>100%</b>	<b>43</b>	<b>100%</b>	<b>44</b>		

10.) In culmed vegetative tillers, the apical meristem is elevated above the soil surface by internode elongation while in a vegetative condition? (true or false)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
True	76.7%	33	67.4%	29	-9.3%	-9.3%
False	23.3%	10	32.6%	14	9.3%	
<b>Totals</b>	<b>100%</b>	<b>43</b>	<b>100%</b>	<b>43</b>		

11.) \_\_\_\_\_ originates from the activity of intercalary meristems located at the base of the several uppermost internodes. (multiple choice)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
Leaf tips	2.4%	1	32.5%	13	30.1%	
Culm elongation	14.6%	6	30.0%	12	15.4%	15.4%
Apical meristem	19.5%	8	12.5%	5	-7.0%	
Reproductive tiller	63.4%	26	25.0%	10	-38.4%	
<b>Totals</b>	<b>100%</b>	<b>41</b>	<b>100%</b>	<b>40</b>	0	

12.) ET from irrigated grass-legume pastures in July-August can exceed \_\_\_\_\_ inches per day? (Multiple Choice)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
0.10 inches	2.4%	1	0.0%	0	-2.4%	
0.15 inches	14.6%	6	2.4%	1	-12.2%	
0.20 inches	19.5%	8	17.1%	7	-2.4%	
0.25 inches	63.4%	26	80.5%	33	17.1%	17.1%
<b>Totals</b>	<b>100%</b>	<b>41</b>	<b>100%</b>	<b>41</b>	0	

13. Which grass is a host but is tolerant (no yield loss) of root lesion nematode?

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
Tall fescue	26.8%	11	17.1%	7	-9.8%	
Orchardgrass	39.0%	16	7.3%	3	-32%	
Timothy	9.8%	4	63.4%	26	54%	53.7%
Smooth brome	24.4%	10	12.2%	5	-12%	
<b>Totals</b>	<b>100%</b>	<b>41</b>	<b>100%</b>	<b>41</b>	0	

14. Name the legume that is non-bloating. (Multiple Choice)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
Alfalfa	11.4%	5	0.0%	0	-11.4%	
Red clover	4.5%	2	2.3%	1	-2%	
Birdsfoot trefoil	81.8%	36	97.7%	42	16%	15.9%
White clover	2.3%	1	0.0%	0	-2%	
<b>Totals</b>	<b>100%</b>	<b>44</b>	<b>100%</b>	<b>43</b>	0	

15. Which method to estimate forage production is most accurate? (Multiple Choice)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
Visual (ocular)	0.0%	0	0.0%	0	0.0%	
Grazing stick	4.8%	2	0.0%	0	-5%	
Rising plate meter	9.5%	4	0.0%	0	-10%	
Pasture probe	2.4%	1	0.0%	0		
Clipping and weighing	83.3%	35	100.0%	43	17%	16.7%
<b>Totals</b>	<b>100%</b>	<b>42</b>	<b>100%</b>	<b>43</b>	0	

16. Hoof action from mob grazing will increase organic matter in soil. (True / False)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
TRUE	42.9%	18	9.1%	4	-33.8%	
FALSE	57.1%	24	90.9%	40	33.8%	33.8%
<b>Totals</b>	<b>100%</b>	<b>42</b>	<b>100%</b>	<b>44</b>		

17. Rodenticide labels have to list the target pest. (True / False)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
TRUE	76.2%	32	88.6%	39	12.4%	12.4%
FALSE	23.8%	10	11.4%	5	-12.4%	
<b>Totals</b>	<b>100%</b>	<b>42</b>	<b>100%</b>	<b>44</b>		

18. How many days will the paddock provide adequate feed given: 1,500 lbs DM/acre useable forage 30 lbs DM/AUD 50 AU on 10 acres (Multiple Choice)

	Responses		Responses		Change	
	(percent)	(count)	(percent)	(count)	(percent)	
1 day	22.0%	9	7.3%	3	-14.6%	
5 days	24.4%	10	12.2%	5	-12%	
10 days	46.3%	19	70.7%	29	24.4%	24.4%
15 days	7.3%	3	9.8%	4	2%	
<b>Totals</b>	<b>100%</b>	<b>41</b>	<b>100%</b>	<b>41</b>	0	

Average 25%  
Maximum 54%  
Minimum -9%

## Mount Vernon Post Workshop Evaluation

Date: 4/24/2014 2:35:12 PM

### 19. Did the workshop meet your expectations? (Multiple Choice)

	Responses	
	(percent)	(count)
Strongly Agree	49%	20
Agree	39%	16
Neutral	10%	4
Disagree	2%	1
Strongly disagree	0%	0
Total	100%	41

### 20. Was there a good balance of lectures and hands-on exercises? (Multiple Choice)

	Responses	
	(percent)	(count)
Strongly Agree	17%	7
Agree	49%	20
Neutral	22%	9
Disagree	12%	5
Strongly disagree	0%	0
Total	100%	41

### 21. Did you gain understanding of critical concepts and principles? (Multiple Choice)

	Responses	
	(percent)	(count)
Strongly Agree	41%	15
Agree	57%	21
Neutral	3%	1
Disagree	0%	0
Strongly disagree	0%	0
Total	100%	37