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**Weed Science, PLS 4601c Section 7644
and Grad. – Prin. Of Weed Science AGR 6932 Section 9212
University of Florida - Davie**

<http://grove.ufl.edu/~turf/weedscience/>

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Quiz 4

1. An herbicide that contains arsenic is:
 - a) Arsenal
 - b) Atrazine
 - c) **MSMA <<<<<<<<**
 - d) Triazine
 - e) Trimec

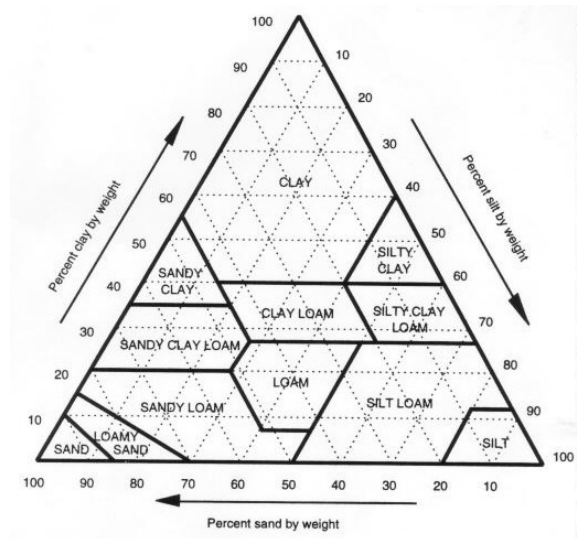
2. The fruit of the grass plant is a caryopsis because it is usually:
 - a) dry, many ovules, and fruit wall is fused to the mature ovule
 - b) **dry, one ovule, and fruit wall is fused to the mature ovule <<<<<<**
 - c) fleshy, many ovules, and fruit wall is fused to the mature ovule
 - d) fleshy, one ovule, and fruit wall is fused to the mature ovule
 - e) None of the above

3. Weeds in the Asteraceae family are:
 - a) **broadleaf weeds <<<<<<<<**
 - b) grass weeds
 - c) sedge weeds
 - d) All of the above
 - e) None of the above

4. Which is an example of the harm caused by weeds?
 - a) Common ragweed induces hay fever in sensitive individuals
 - b) Water lettuce, an aquatic weed, plugs up river highways in New Guinea
 - c) Weeds cause human deaths by obstructing visibility on highways
 - d) **All of the above <<<<<<<<**
 - e) None of the above

5. Knowing what you know about sand, silt, and clay in the soil triangle:

- a) a compacted clay soil can be made to drain by adding 5% sand
- b) a compacted clay soil can be made to drain by proper tith <<<<<<<<**
- c) a compacted clay soil cannot be made to drain
- d) All of the above
- e) None of the above



6. A dispersal mechanism that is uniquely common in weeds that grow on walls is:

- a) Exploding capsules <<<<<<<<**
- b) Retorse hairs that attach to fur
- c) Seeds the float on water
- d) Sensitivity to light and fluctuating temperature for germination
- e) Spines


7. An organelle that does respiration:

- a) logarithm
- b) mitochondrion <<<<<<<<**
- c) nucleus
- d) ribosome
- e) None of the above

8. What family is the weed to the right:

- a) Asteraceae, the sunflower family
- b) Fabaceae, the pea family <<<<<<<<**
- c) Poaceae, the grass family
- d) Rubicaceae, the coffee family
- e) None of the above



9. Weeds in the Fabaceae family are:
- broadleaf weeds <<<<<<<<**
 - grass weeds
 - sedge weeds
 - All of the above
 - None of the above
10. An organelle that does translation of messenger RNA to polypeptide (precursor to protein):
- logarithm
 - mitochondrion
 - nucleus
 - ribosome <<<<<<<<**
 - None of the above
11. What can you say about the weed to the right:
- alternate leaves, parallel venation
 - alternate leaves, reticulate (netted) venation
 - opposite leaves, parallel venation
 - opposite leaves, reticulate (netted) venation <<<<<<<<**
 - None of the above
- 
12. Which weed does not easily fit within a category grass, sedge, or broadleaf weed?
- Broomsedge (*Andropogon virginicus*)
 - Bull paspalum (*Paspalum setaceum*)
 - Common dayflower (*Commelina communis*) <<<<<<<<**
 - Creeping beggarweed (*Desmodium incanum*)
 - Spanish needle (*Bidens alba*)
13. Which is an example of the useful properties of weeds?
- Common purslane is a weed that can be bought at some grocery stores
 - Weeds are a transgenic source of resistance for crops
 - Weeds such as Madagascar periwinkle provide useful medicines
 - All of the above <<<<<<<<**
 - None of the above

14. What family is the weed to the right:

- a) Asteraceae, the sunflower family
- b) Fabaceae, the pea family
- c) Poaceae, the grass family
- d) Rubicaceae, the coffee family <<<<<<<<**
- e) None of the above



15. What is the significance of the illustration below (3 points):

- a) Timothy grows well in, or is associated with, a wide range of heavy soils consisting of silt and clay <<<<<<<<**
- b) Little bluestem grows well, or is associated with, in a narrow range of sand soils <<<<<<<<**
- c) Orchard grass grows well in, or is associated with, a moderate range of intermediate or loamy soils <<<<<<<<**
- d) (Also, timothy and orchardgrass overlap the range of soil adaptation) <<<<<<<<**

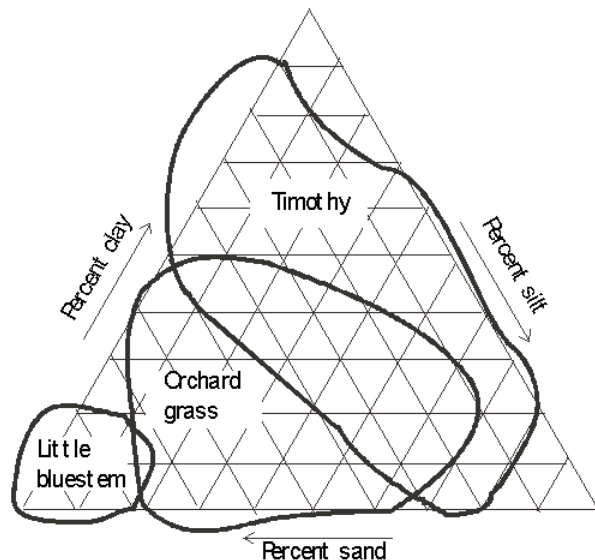


Chart showing the optimal soil texture for three common Michigan grasses.

16. Using the table of periodic elements below, what is the atomic weight of ethanol (ethyl alcohol), C₂H₅OH ?
- a) 6
 - b) 12
 - c) **46 <<<<<<<<<**
 - d) 78
 - e) None of the above

Period	1																18	
1	1 H 1.008											13	14	15	16	17	2 He 4.003	
2	3 Li 6.941	4 Be 9.012	Group										5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18
3	11 Na 22.99	12 Mg 24.31	3	4	5	6	7	8	9	10	11	12	13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95
4	19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.88	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.39	31 Ga 69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80
5	37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (98)	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9	54 Xe 131.3
6	55 Cs 132.9	56 Ba 137.3	57 La *138.9	72 Hf 178.5	73 Ta 180.9	74 W 183.9	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.5	81 Tl 204.4	82 Pb 207.2	83 Bi 209.0	84 Po (210)	85 At (210)	86 Rn (222)
7	87 Fr (223)	88 Ra (226)	89 Ac ~(227)	104 Rf (257)	105 Db (260)	106 Sg (263)	107 Bh (262)	108 Hs (265)	109 Mt (266)	110 Ds (271)	111 Uuu (272)	112 Uub (277)	114 Uuq (296)		116 Uuh (298)		118 Uuo (?)	
Lanthanide Series				58 Ce 140.1	59 Pr 140.9	60 Nd 144.2	61 Pm (147)	62 Sm 150.4	63 Eu 152.0	64 Gd 157.3	65 Tb 158.9	66 Dy 162.5	67 Ho 164.9	68 Er 167.3	69 Tm 168.9	71 Lu 175.0		
Actinide Series				90 Th 232.0	91 Pa (231)	92 U (238)	93 Np (237)	94 Pu (242)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (249)	99 Es (254)	100 Fm (253)	101 Md (256)	102 No (254)	103 Lr (257)	