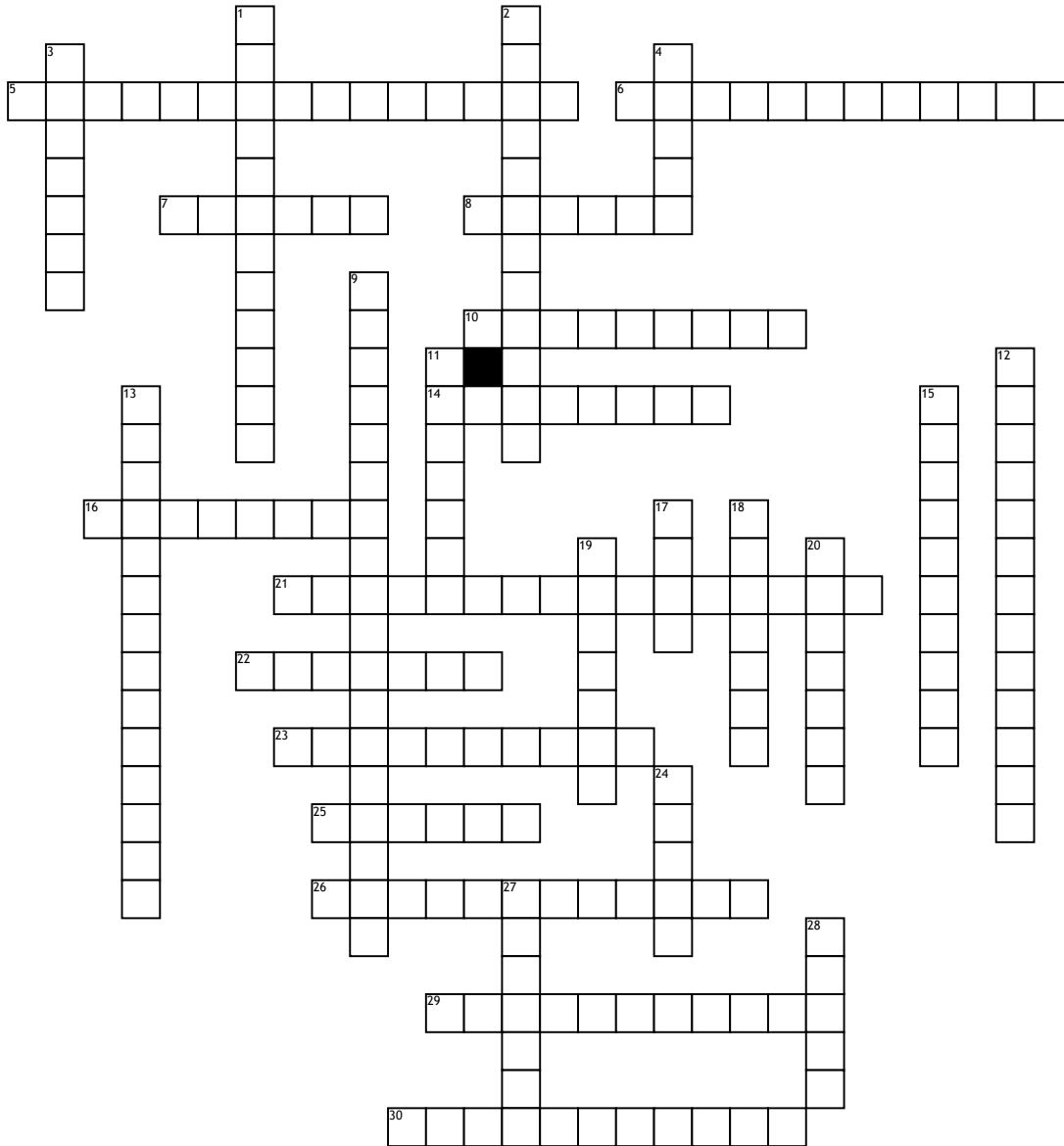


Forages and Cover Crops



Across

5. A grass that tolerated a wide variety of soil conditions; also produces alkaloids. (2)
6. Commonly grown forage grass in Atlantic Canada that has a seed with a short awn; tip curving slightly to one side. (1L)
7. A type of silo that is packed and covered in plastic to prevent oxygen from entering. (10)
8. The type of plant that is the best at Nitrogen Fixation. (8)
10. Adequate levels of this are required for maximum cold hardening by affecting membranes and water movement. (6)
14. Commonly grown forage grass in Atlantic Canada that has a seed with a long awn; annual. (1L)
16. Animal with a four part stomach. (1)
21. This legume's seed is less than 2mm in size, round in shape and a medium brown colour. (2)
22. An indicator that seed is certified with the Canadian Seed Growers Association. (5)
23. A type of grazing method where there are rest periods to replenish root reserves of plants. (9)

25. A very thin tongue-like appendage growing upward from the inner surface of the collar between the leaf blade and the stem. (4L)

26. What is the % of Nitrogen x 6.5 in a silage mix called? (7)

29. Legume that tolerates low pH and has very shallow roots therefore it tolerates poor drainage but not droughts. (3)

30. A legume who's seeds are 2mm or greater in size, irregular oval in shape and apricot in colour. (2L)

Down

1. A type of tillage that can involve plowing, harrowing, disking, double disking or use of a single pass implement. (5)
2. Legume that has a terminal leaflet and large narrow stipules. (5L)
3. This is done to dry out the forages in the fields. (10)
4. This class of silage would have a Crude Protein over 19%-20%. (7)
9. What does ADF stand for in a forage quality sample? (7L)
11. A type of cover crop that has a fibrous root system that holds soil well. (8L)

12. The cover crop that is best suited for breaking the "hard pan" and improving soil compaction. (8)

13. Some legumes have a high concentration of this and can lead to bloating. (3)

15. This often occurs late in the winter or early in the spring when snow cover has disappeared and the temperature fluctuates and plants have de-hardened. (6)

17. A type of C4 grass that is high in sugars and is usually used for silage, some snaplage or pasture. (4)

18. Legume that has pubescence and the leaflet margins are serrated near the apex. (5L)

19. An annual ryegrass that is leafy and can grow up to 40cm. It is usually used for pasture. (4)

20. Grass that heads 1-2 weeks later than other grasses. (2)

24. Site of microbial fermentation in a ruminant. (1)

27. The type of inflorescence that has spikelets arranged on a branched axis. (3L)

28. A type of grazing management that often is used with annual forage species and uses electric fencing. (9)