



4-H Dairy

4-H Club				
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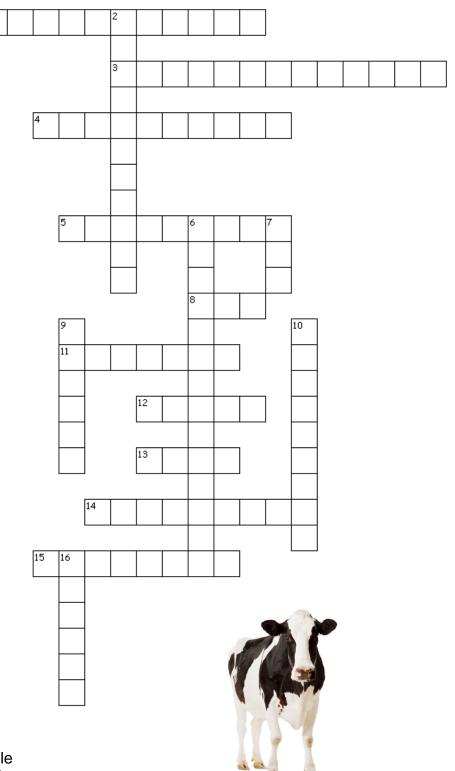
<u>Nutrition, Reproduction and Manure Management Cross Word Puzzle</u>: Write the correct answer in the spaces provided for each phrase.

Across

- 1. manure and water mixture with less than 10% of solids
- 3. bacterial infection which causes abortion
- 4. feeds with forages and concentrates
- 5. land areas that catch rain or snow and drain to specific water sources
- animals confined for 45 days or more within a twelve month period
- 11. geographic area responsible for emitting 75% air pollution reaching a body of water
- 12. enforces the clean water act
- 13. handle complaints against agricultural operations impacting water quality
- 14. relating the size to the land base to protect the water supply
- 15. live in the rumen

Down

- scraping of manure and stockpiling for compost
- 6. seepage from silage storage areas
- 7. handles fish kill and stream litter
- daily food amount nutritionally balanced
- synthesized by rumen microorganisms and water-soluble
- 16. prevent surface runoff with liquid manure



Horses, cats, and dogs are not required to complete numbers 2 and 3.

Animals Owned

Animals Name	Breed	Sex	Date of Birth	Date Obtained
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1.	Expenses for the Animal(s)				
	Animal(s) if purchased	\$			
	Feed	\$			
	Bedding	\$			
	Vet	\$			
			Tota	l Expenses	\$
2.	Income from Animal(s) market animals sold	\$			
	Estimated value of animal to be sold in 4-H Au	ction \$			
	•		Tota	l Income	\$
3.	Value of breeding animals		Asse	t Value	\$
	Value of your cat or dog				\$
			Net	Profit / Loss	\$
	Member Signature:				
	Parent Signature:				
	Leader Signature:			· · · · · · · · · · · · · · · · · · ·	