Surveys Summarized by Gender - 63 Adult & 22 Youth Surveys (where applicable); 85 Surveys Total

M = 19 or 22% Male
F= 66 or 78% Female

1. Age: M: 47% _ 40-49 F: 36% _ 40-49

2. Gender: M: 22% Male F: 78% Female

3. Combined Household Income: M: 79% 80000+ F: 37% 800000+

4. Last Educational Level Completed:

M: 43% Post graduate F: 26% College, 26% Some college

5. Total property acreage:

M: 57% 1-5 F: 52% 1-5

6. My property is located in:

M: 52% Washington F: 35% Washington

7. Type and number of animals on my property: Please write in the number of each type of animal that you currently have.

M:	F:
36% horses	46% horses
21% Dairy Cattle	13% Dairy Cattle
7% Beef Cattle	9% Beef Cattle
7% Pigs	4% Pigs
0% Sheep	9% Sheep
14% Goats	24% Goats
57% Chickens	39% Chickens
14% Ducks	9% Ducks

8. Number of years that you have owned/kept animals:
M: 14 (1-50) F: 21 (1.5-55)

Number of hours per week spent caring for animals:
M: 12 (1-35) F: 15 (0-60)

The following people care for the animals, check all that apply:
M: 100% adults, 86% Youth, 7% Other friends/ family
F: 96% adults, 83% Youth, 6% hired help, 9% other friends/ family

9. Top reasons for owning/keeping animals (includes all top 3):

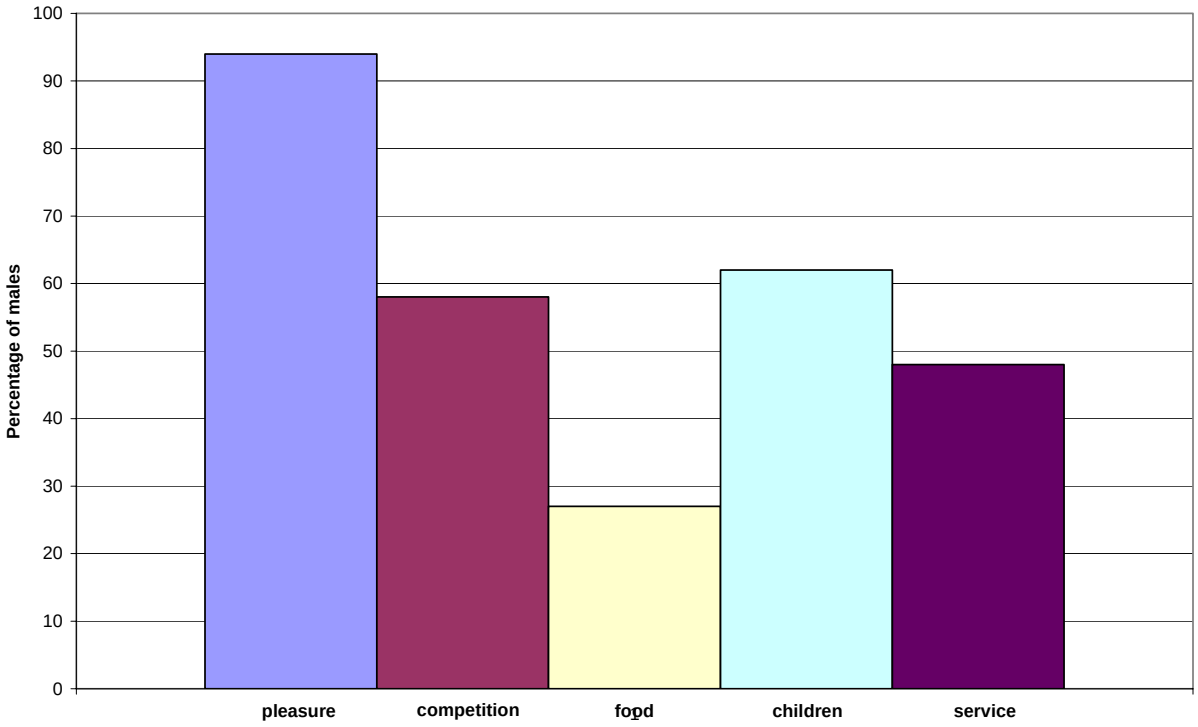
M: 94% Pleasure & enjoyment
58% competition/show
27% food/ fiber
62% to teach children values/ responsibility
48% service/ education

Choices selected as #1:
42% pleasure/ enjoyment
16% competition/ show
5% food/ fiber
6% teach children values/ responsibility
5% service/ education

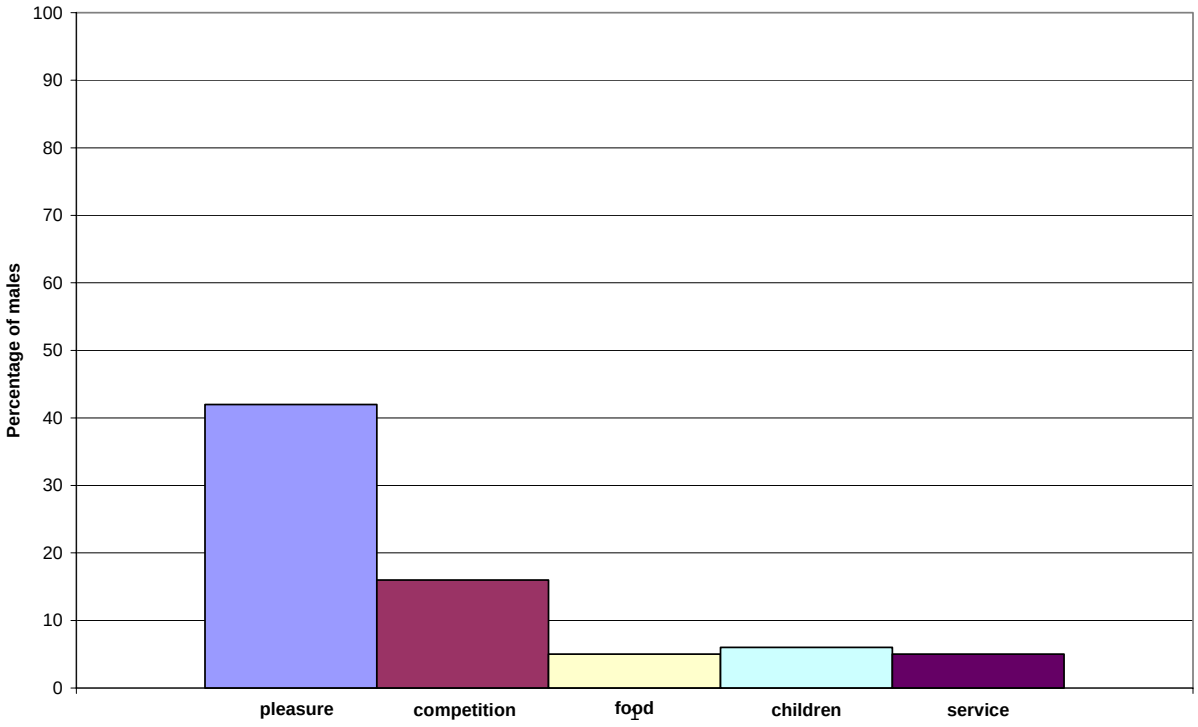
F: 89% pleasure & enjoyment
53% competition/ show
22% food/ fiber
63% teach children values/ responsibility
51% service/ education

Choices selected as #1:
53% pleasure & enjoyment
9% competition/ show
2% food/ fiber
21% teach children values/ responsibility
3% service/ education

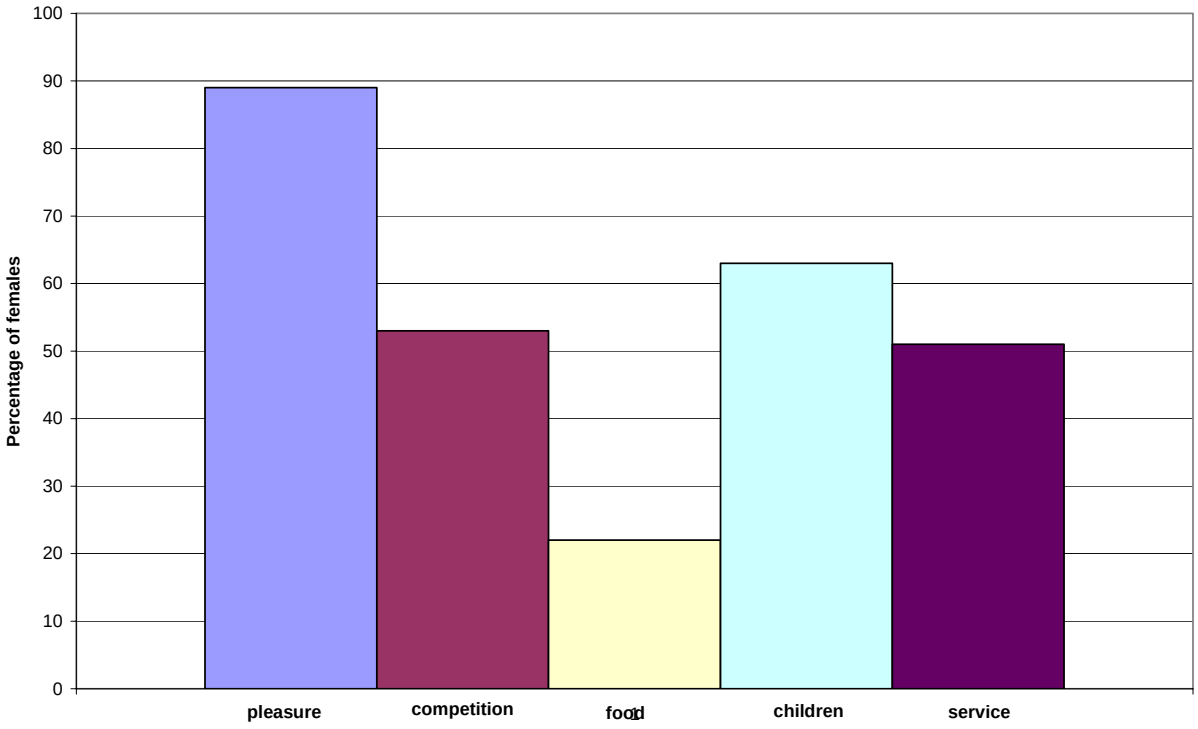
Selected as reasons for owning animals: males



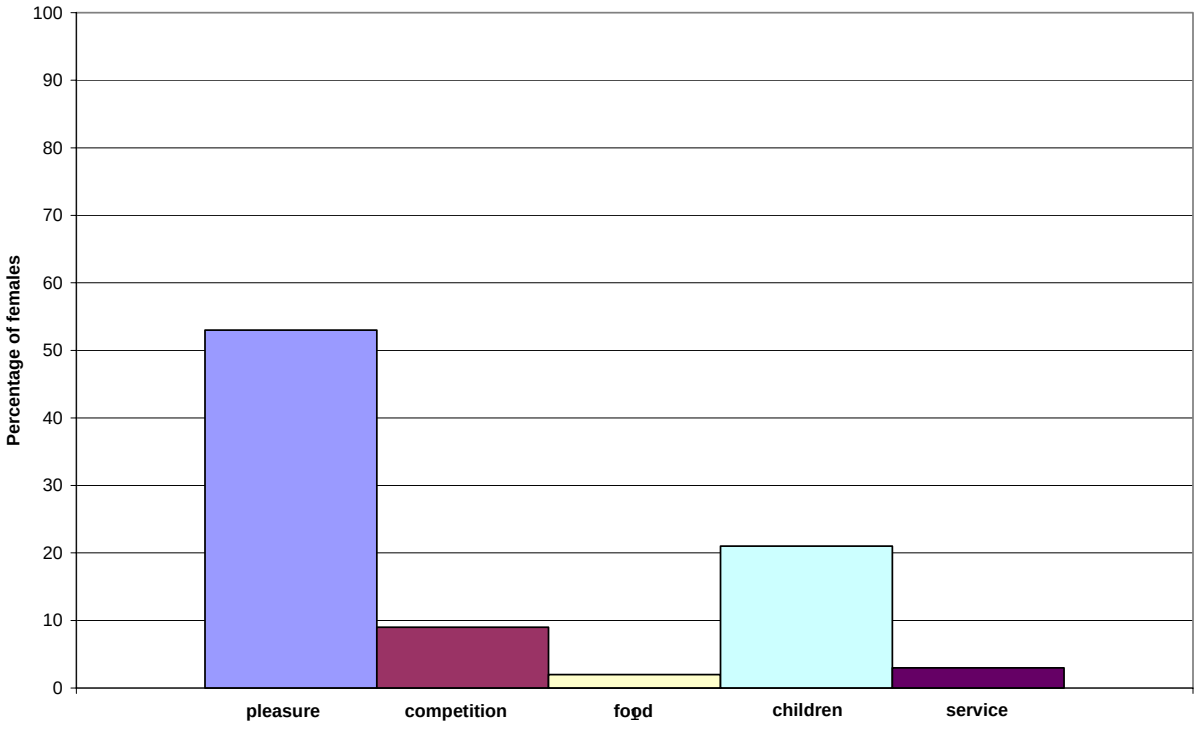
#1 Reasons for owning animals: males



Selected as reasons for owning animals: females



#1 Reasons for owning animals



11. Top sources that you rely on most for seeking information about caring for your animals:

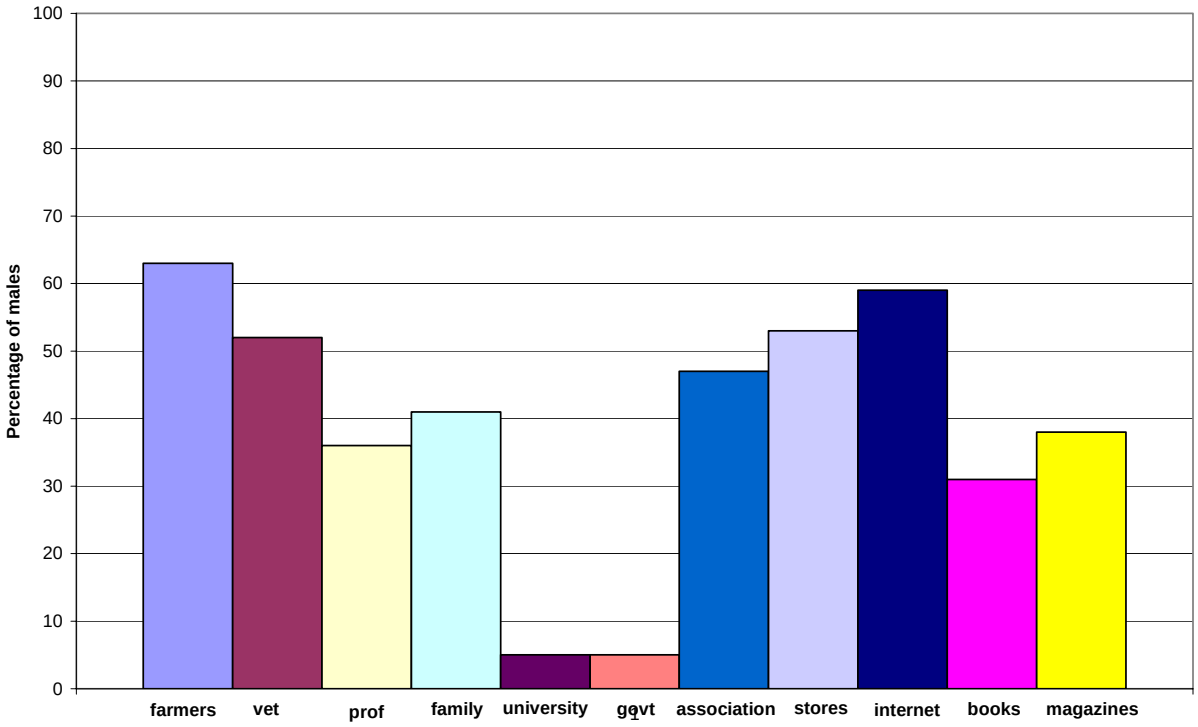
M:
63% farmers/ experienced owners
52% veterinarian
36% animal professionals
41% friends and family
5% university/ extension
5% state/ federal govt
47% animal association
53% feed/ supply stores
59% internet
31% books
38% magazines

Choices selected as #1:
26% farmers/ experienced owners
5% veterinarian
5% animal professionals
5% family and friends
5% animal association
16% internet
5% books

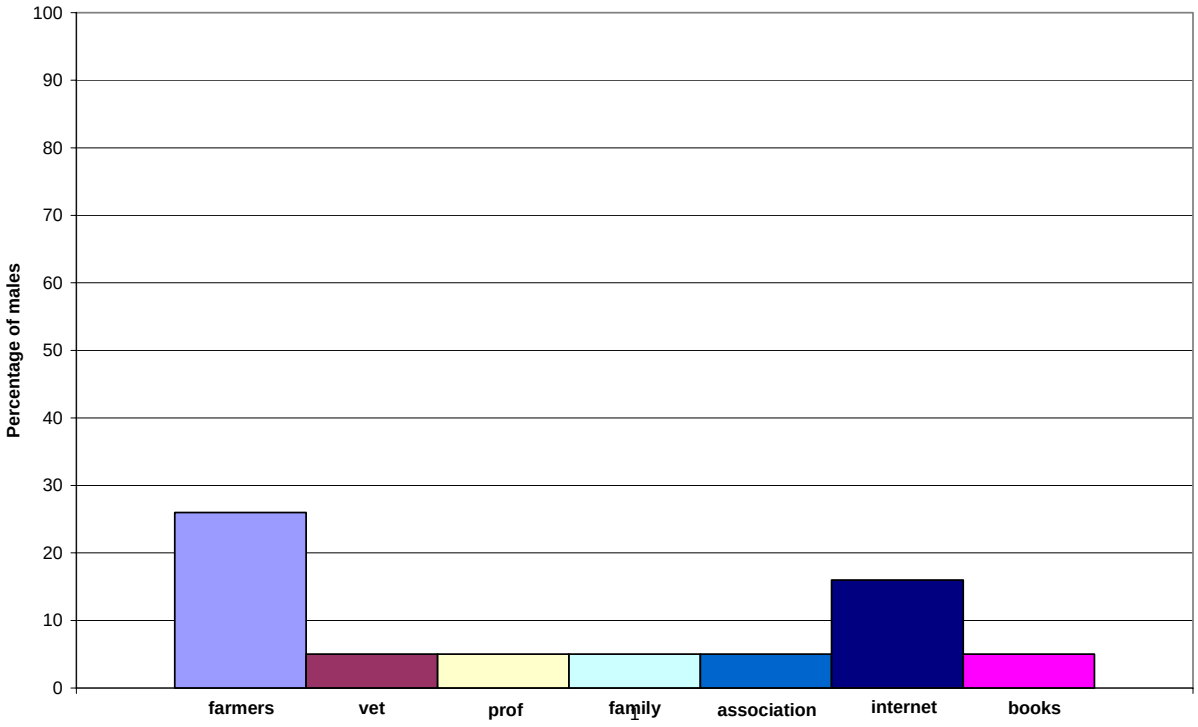
F:
79% farmers/ experienced owners
69% veterinarian
36% animal professionals
55% friends and family
7% university/ extension
6% state and federal govt.
43% animal association
36% feed/ supply stores
48% internet
48% books
28% magazines

Choices selected as #1:
32% farmers/ experienced animal owners
15% veterinarian
8% animal professionals
12% family/ friends
5% animal association
2% feed/ supply stores
5% internet
5% books

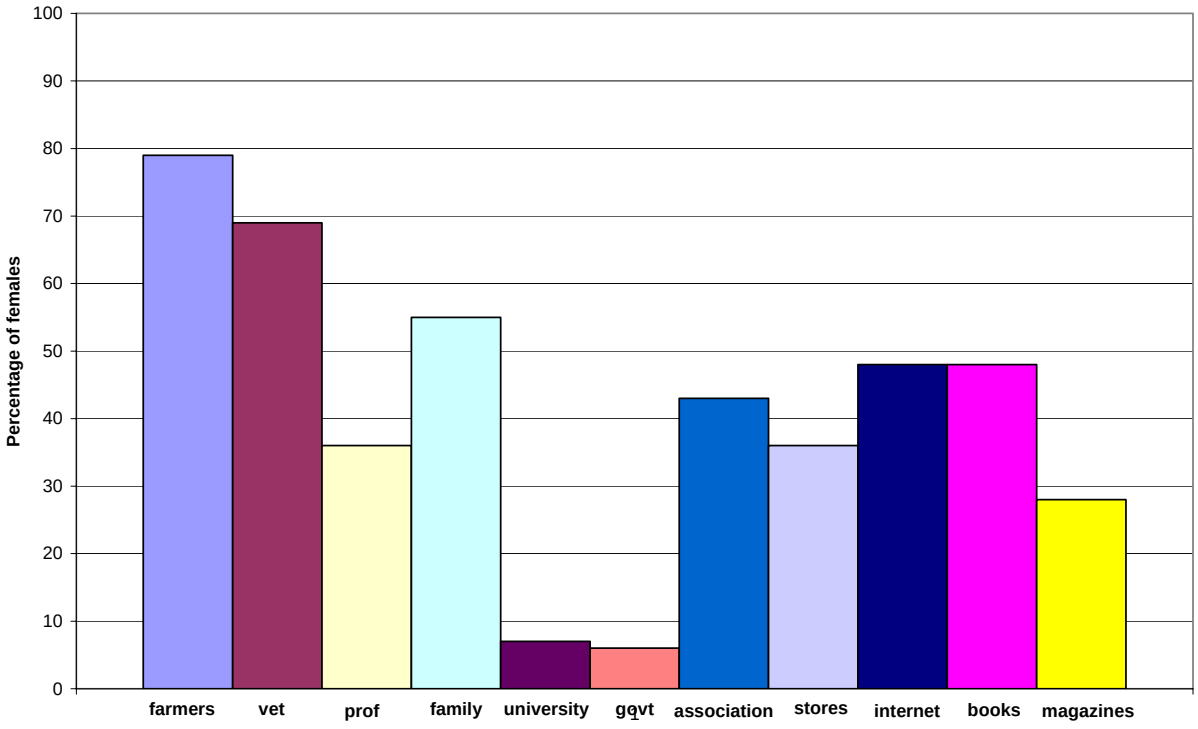
Selected as source of info relied on most: males



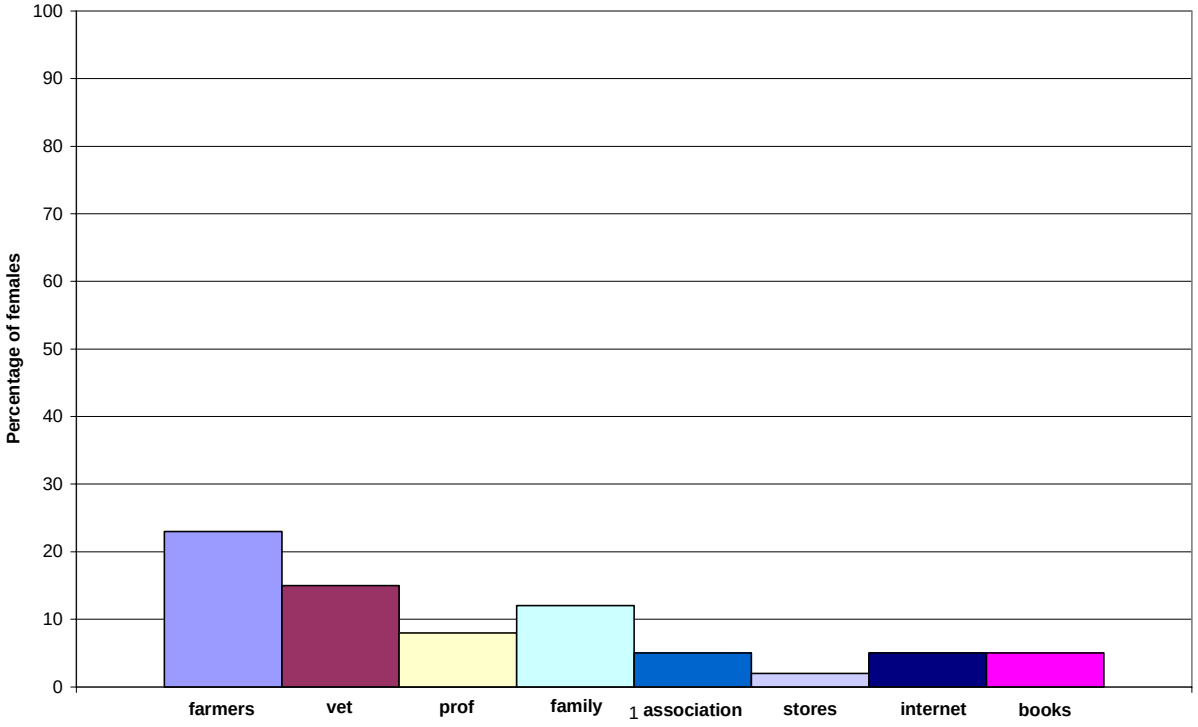
#1 Sources relied on most: males



Selected as source of info relied on most: females



#1 Sources relied on most: females



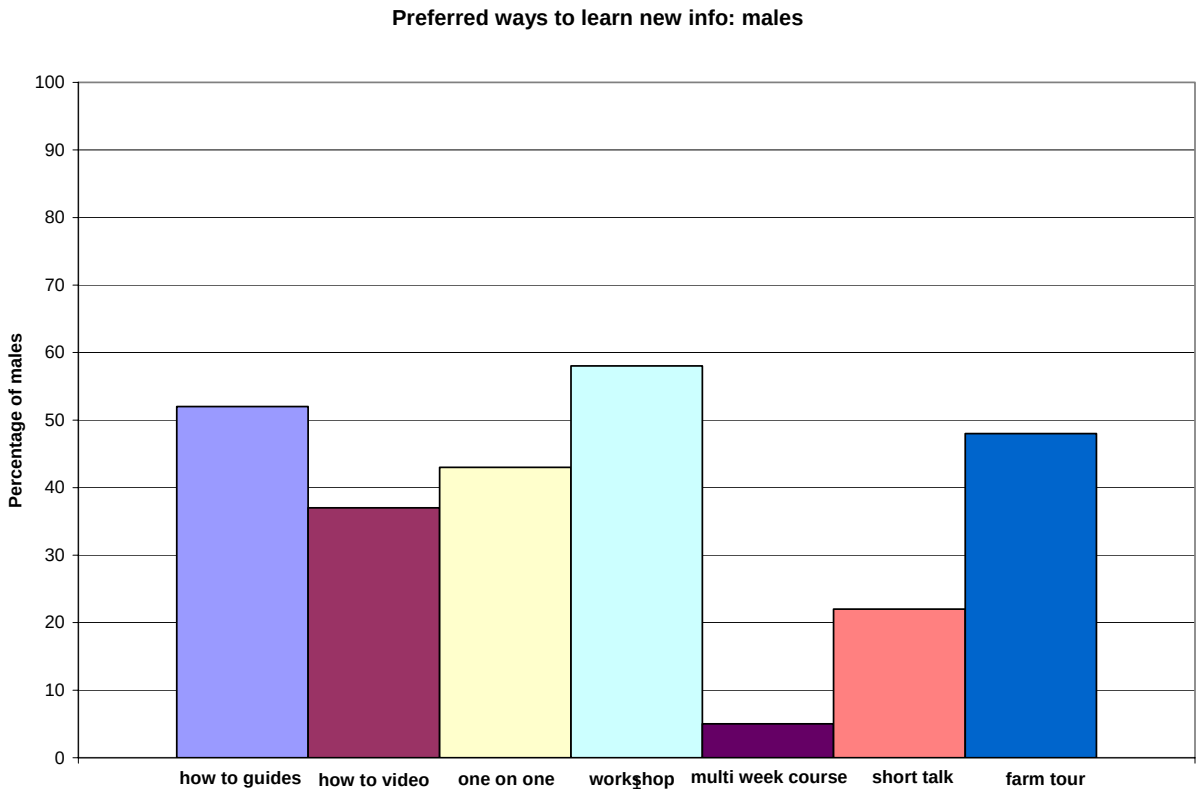
12. Top ways you prefer to learn new information that you can apply at home.

M:
52% how-to guides
37% how to vides/ DVD
43% one-on-one
58% hands-on workshop
5% multi-week course
22% short indoor talk/ seminar
48% farm tour

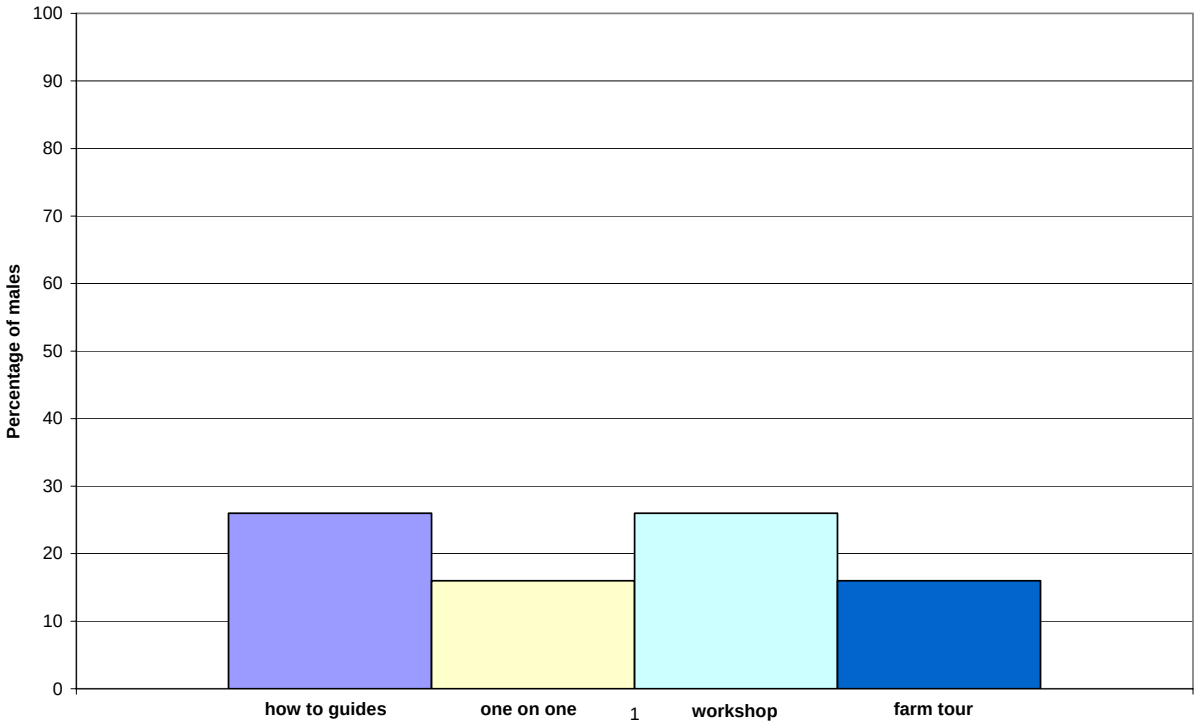
Choices selected as #1:
26% how to guides
16% one-on-one
26% hands-on workshop
16% farm tour

F:
51% how-to guides
22% how to video/DVD
37% one-on-one
65% hands-on workshop
13% multi week course
25% short indoor talk/ seminar
39% farm tour

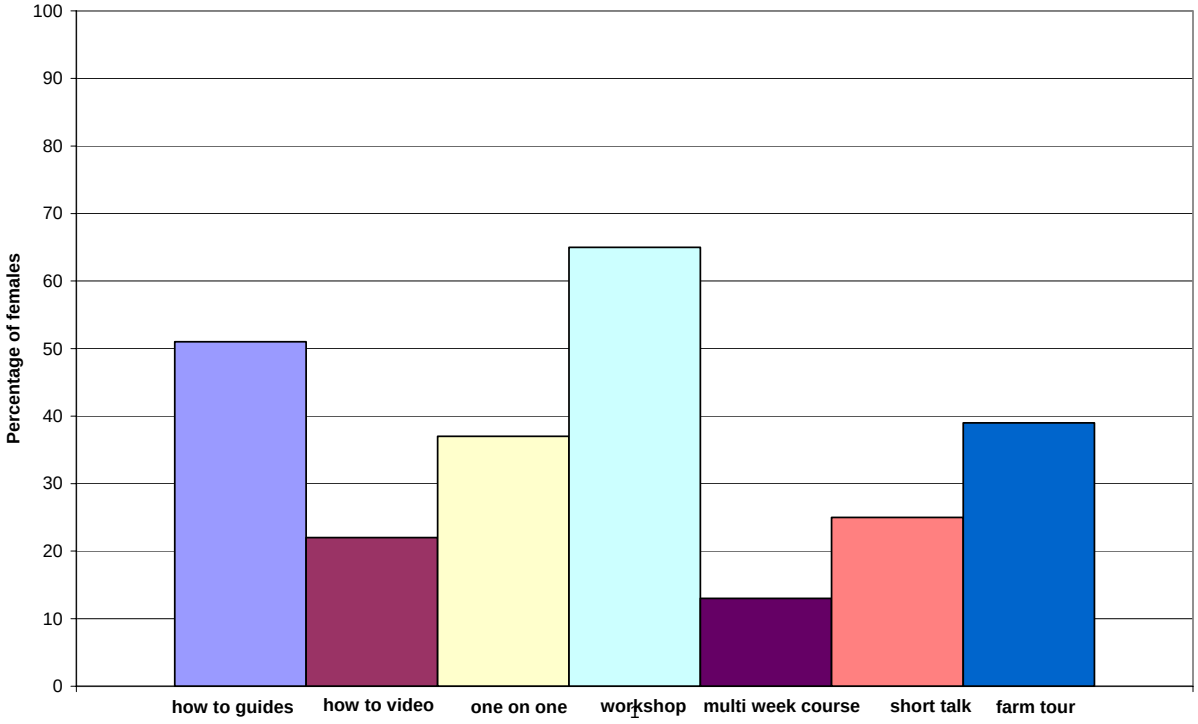
Choices selected as #1:
14% how-to guides
2% how-to video/ DVD
24% one-on-one
30% hands-on workshop
2% multi week course
2% short indoor talk/ seminar
12% farm tour

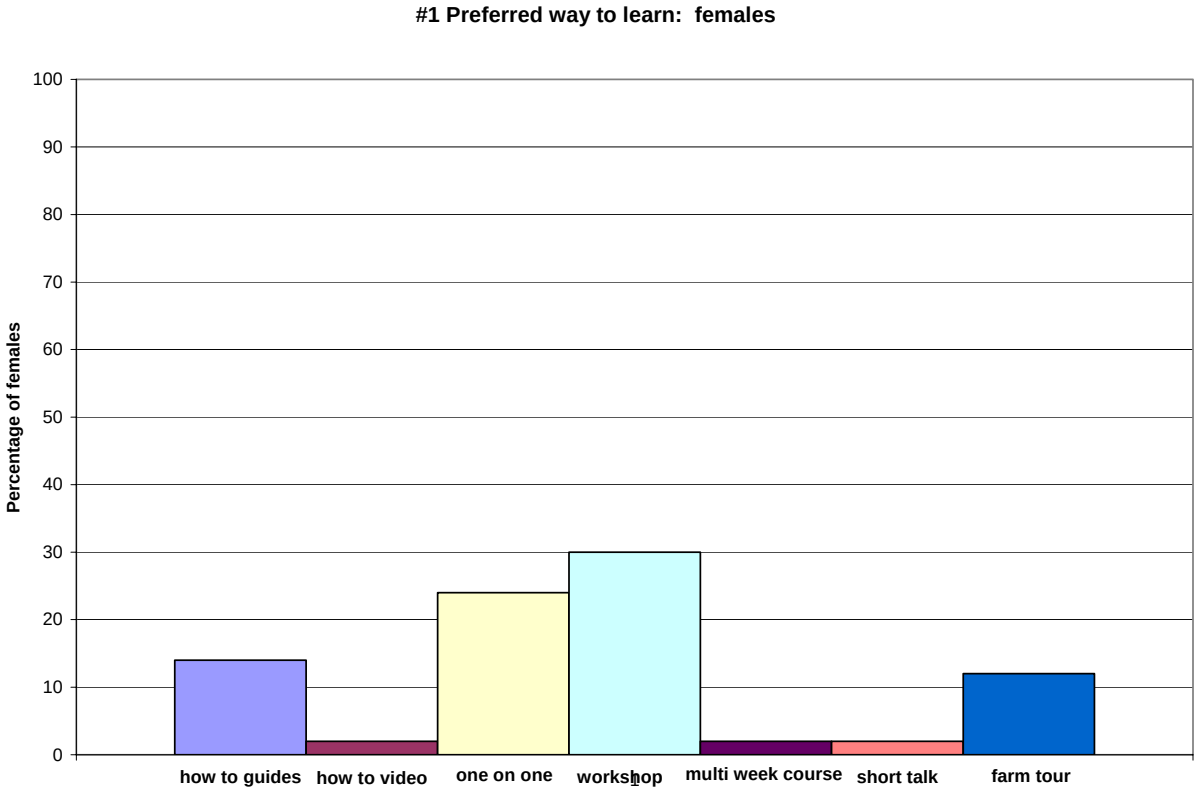


#1 Preferred ways to learn: males



Preferred ways to learn new info: females





Section II
Below is a list of statements describing animal management topics. Please indicate whether you **Disagree (1) or Agree (2) or Don't Know (DK)** by circling your response.

Bold number is the correct response. M responses are listed first F responses are listed second	**Disagree**	**Agree**	**Don't Know**
Manure Management			
13. A good way to store and dispose of animal manure that is collected from the barn and yards is to pile it on the ground and let it decompose naturally.	**1**	2	DK
	21%	58%	16%
	26%	53%	12%
14. Flies, odor and convenience are the most important things to consider when locating a place to store manure.	**1**	2	DK
	47%	37%	16%
	36%	53%	3%
15. Animal manure contains bacteria and other things (viruses, parasites and other microbes) that can cause illness.	1	**2**	DK
	0%	**95%**	16%
	5%	**79%**	8%

Bold number is the correct response. **M responses are listed first** **F responses are listed second**	**Disagree**	**Agree**	**Don't Know**
16. Animal manure contains nutrients such as nitrogen, phosphorus and potassium.	1 5%	**2** **68%**	DK 26%
	2%	**88%**	8%
17. Animal manure is a valuable source of organic matter and natural fertilizer for fields and crops.	1 0%	**2** **100%**	DK 0%
	2%	**88%**	3%
18. It does not matter how much manure is applied to the land.	**1** **84%**	2 11%	DK 5%
	68%	3%	18%
19. It is important to consider the time of year when applying manure to the land.	1 16%	**2** **74%**	DK 11%
	6%	**71%**	15%
20. Human health risks associated with animal manure can only occur through direct contact.	**1** **74%**	2 16%	DK 11%
	55%	14%	23%
21. Animals can develop health problems when subjected to areas of concentrated animal waste.	1 0%	**2** **95%**	DK 5%
	3%	**77%**	11%
Animal Management			
22. One **animal unit** is equal to 1,000 pounds of live animal weight.	1 5%	**2** **16%**	DK 79%
	5%	**17%**	67%
23. Animal yards (outdoor pens, corrals, exercise areas, etc.) should be sized based on the number and type of animals occupying them.	1 0%	**2** **89%**	DK 11%
	2%	**85%**	6%

Bold number is the correct response.
M responses are listed first
F responses are listed second

	Disagree	Agree	Don't Know
24. Easy access to food, shelter and water are the most important things to consider when locating an animal yard.	**1** **32%** **14%**	2 58% 74%	DK 11% 5%
25. There is a difference between a properly managed animal yard and a properly managed pasture.	1 5% 9%	**2** **79%** **59%**	DK 16% 21%
26. For grazing animals such as cows, sheep, etc., properly managed pastures can provide valuable feed, reducing hay and grain costs.	1 5% 2%	**2** **84%** **82%**	DK 11% 9%
Land and Water Resources 27. One to two acres of land are needed to support one **animal unit**.	1 7% 11%	**2** **29%** **48%**	DK 64% 33%
28. The type of soils on a given property can be different and affect its suitability for different land uses accordingly.	1 7% 2%	**2** **79%** **76%**	DK 7% 11%
29. Groundwater and surface water are inter-connected. If one water resource becomes polluted, it can affect the other water resource.	1 14% 4%	**2** **79%** **65%**	DK 7% 22%
30. Nitrogen and phosphorus are potential sources of water pollution.	1 11% 2%	**2** **68%** **50%**	DK 21% 38%
31. The only way a surface water body can be impacted by animal manure is when animals have direct access to the water body.	**1** **79%** **68%**	2 16% 5%	DK 5% 20%

Bold number is the correct response. **M responses are listed first** **F responses are listed second**	**Disagree**	**Agree**	**Don't Know**
32. When animals have direct and unrestricted access to a surface water body, the only chance of pollution is through direct deposit of manure and urine.	**1** **68%** **52%**	2 21% 9%	DK 11% 30%
33. An animal yard or manure storage area should be at least 100 feet away from a drinking water well.	1 0% 2%	**2** **84%** **64%**	DK 16% 27%

Section III

34. I believe proper manure and animal yard management is important for the following reasons:

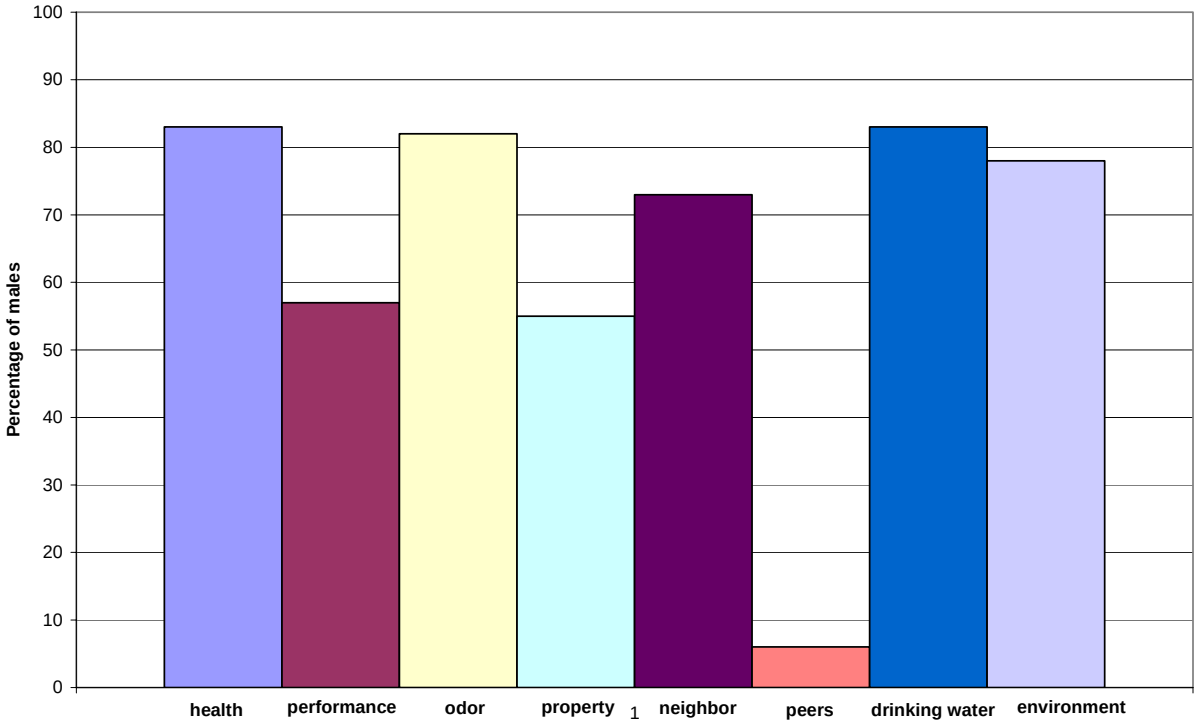
M:
83% to protect animals' general health
57% to improve animals' performance
82% to control odor and flies
55% to improve the appearance of my property
73% to be a good neighbor
6% to be like my peers
83% to protect the quality of my drinking water
78% to protect the surrounding environment

Choices selected as #1:
28% to protect animals' general health
6% to improve the animals' performance
47% to protect the quality of my drinking water

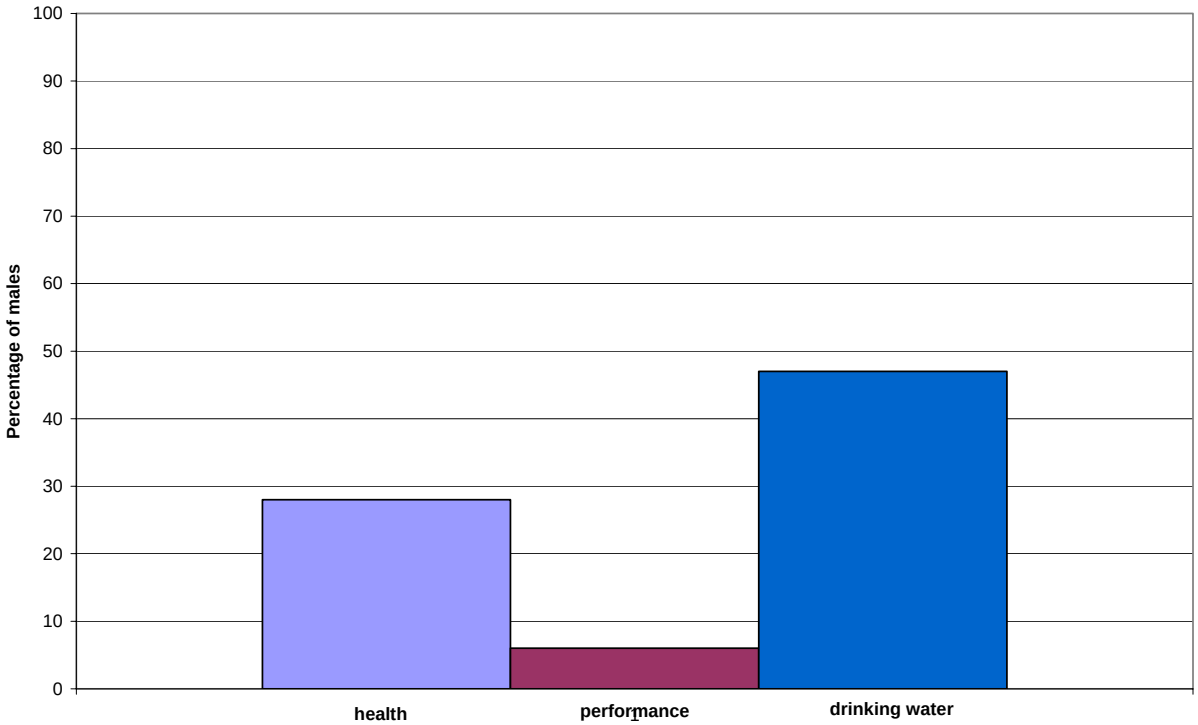
F:
76% to protect animals' general health
49% to improve animals' performance
76% to control odor and flies
65% to improve appearance of property
67% to be a good neighbor
6% to be like my peers
75% to protect the quality of my drinking water
72% to protect the surrounding environment

Choices selected as #1:
38% to protect the animals' general health
3% to improve animals' performance
34% to protect the quality of my drinking water
9% to protect the surrounding environment

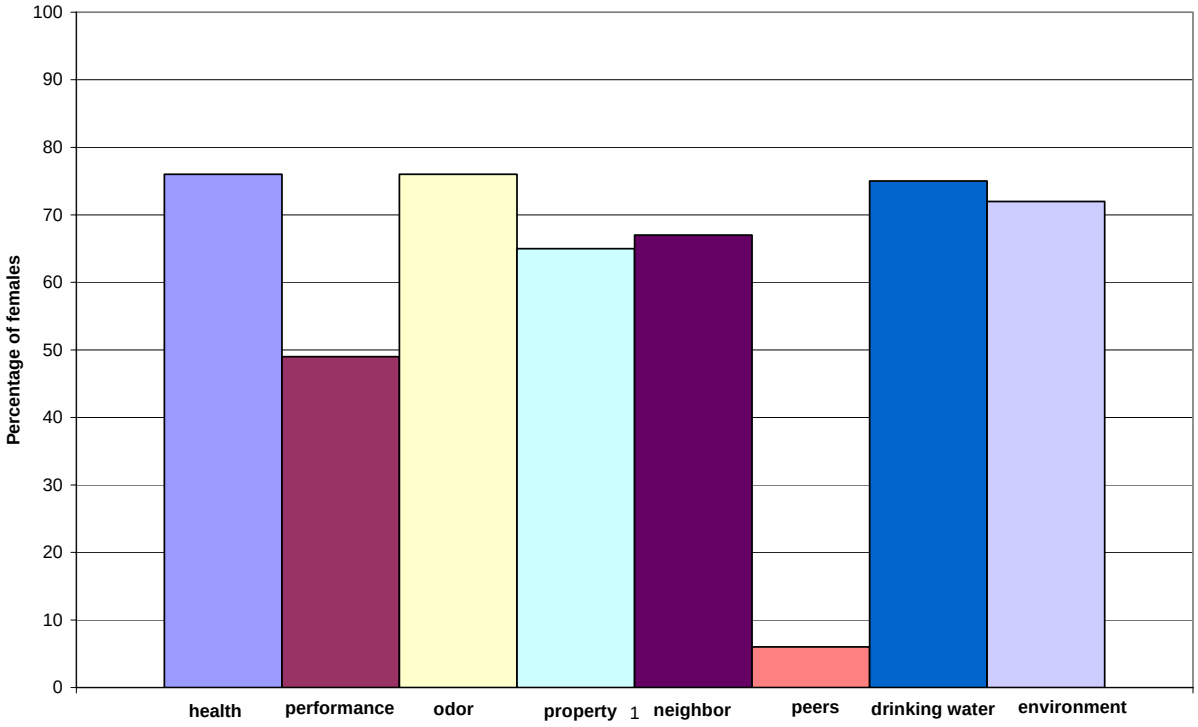
Reasons why manure management is important: males



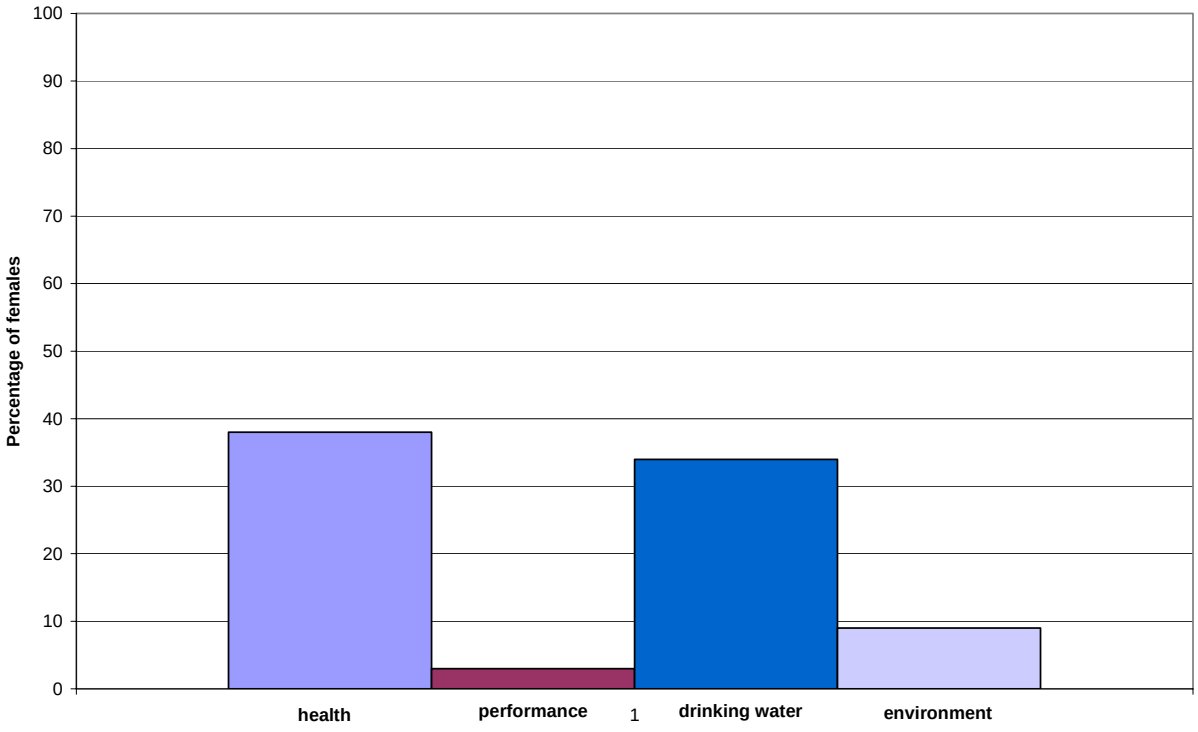
#1 Reasons why manure management is important: males



Reasons why manure management is important: females



#1 Reasons why manure management is important: females



35. Choose the **one** main factor that limits you from making improvements with manure and animal yard management. Mark an "X" next to the one main factor:

M: 36% knowledge, 21% time and 21% do not feel there are any factors limiting management

F: 20% do not feel there are any factors limiting management, 17% knowledge, 15% money

36. How do the following factors affect your ability to make improvements with manure and animal yard management? Circle the appropriate number for each factor.

Percent of people who chose 1 or 2- it affected them a lot (raw score- the median number circled):

M:	F:
Cost: 14%	Cost: 53%
Easy to do: 7%	Easy to do: 16%
Time: 21%	Time: 48%
Labor: 7%	Labor: 39%
Equipment: 21%	Equipment: 53%
Land: 14%	Land: 35%

Please indicate how likely you are to do the following practices. Please circle the appropriate response on a scale of 1 through 5.
1 - Very Likely, **2 – Somewhat Likely, 3 - Not Sure, 4 – Unlikely**, **5 - Definitely Not**
or indicate **Does Not Apply – NA** if the practice is not applicable to your situation.

	M responses listed first F responses listed second					
37. Move a manure pile to another location on my property to reduce a possible threat to a drinking water well or other water resource.	**1 50% 57%**	**2 0% 11%**	**3 7% 7%**	**4 0% 11%**	**5 14% 0%**	**NA 21% 4%**
38. Cover a manure pile and/or line the bottom of it with a tarp or plastic liner, or organic materials such as wood chips and leaves.	**1 43% 35%**	**2 21% 24%**	**3 0% 11%**	**4 7% 9%**	**5 0% 9%**	**NA 21% 2%**
39. Store manure under a roofed area – does not need to be enclosed.	**1 21% 4%**	**2 0% 4%**	**3 21% 20%**	**4 7% 28%**	**5 14% 26%**	**NA 29% 9%**
40. Actively compost the manure.	**1 36% 48%**	**2 14% 22%**	**3 7% 13%**	**4 0% 2%**	**5 14% 0%**	**NA 21% 7%**

42. Improve how manure is spread on my own land – based on soil tests, proper timing, etc.	**1**	**2**	**3**	**4**	**5**	**NA**
	21%	**29%**	**14%**	**0%**	**14%**	**14%**
	26%	**28%**	**11%**	**9%**	**2%**	**15%**
43. Pay to have manure hauled away to a place where it can be safely recycled or composted.	**1**	**2**	**3**	**4**	**5**	**NA**
	7%	**0%**	**7%**	**36%**	**21%**	**21%**
	9%	**4%**	**11%**	**22%**	**35%**	**11%**
44. Install roof gutters to direct roof water away from manure storage areas and animal yards.	**1**	**2**	**3**	**4**	**5**	**NA**
	14%	**7%**	**0%**	**21%**	**14%**	**36%**
	11%	**11%**	**17%**	**9%**	**13%**	**30%**
45. Install fencing to subdivide animal yard(s) and rotate the animals through different paddocks.	**1**	**2**	**3**	**4**	**5**	**NA**
	14%	**7%**	**29%**	**0%**	**14%**	**29%**
	24%	**11%**	**13%**	**13%**	**9%**	**22%**
46. Restrict the animals from having access to a drinking water well or water body.	**1**	**2**	**3**	**4**	**5**	**NA**
	29%	**14%**	**7%**	**7%**	**7%**	**29%**
	20%	**13%**	**11%**	**4%**	**11%**	**33%**
47. Install a roof over part or the entire animal yard.	**1**	**2**	**3**	**4**	**5**	**NA**
	21%	**0%**	**7%**	**14%**	**14%**	**36%**
	15%	**13%**	**11%**	**17%**	**17%**	**17%**
48. Install a concrete pad or geo-textile material in part or the entire animal yard to improve muddy areas.	**1**	**2**	**3**	**4**	**5**	**NA**
	14%	**7%**	**7%**	**14%**	**14%**	**36%**
	15%	**4%**	**24%**	**17%**	**17%**	**13%**
49. Find additional land nearby to periodically rotate the animals through – especially during the growing season.	**1**	**2**	**3**	**4**	**5**	**NA**
	14%	**0%**	**21%**	**7%**	**14%**	**36%**
	9%	**17%**	**11%**	**22%**	**20%**	**13%**

Go to next page

Section IV
Below is a list of statements describing potential motivations for improving manure and animal yard management. Please indicate whether you **Disagree (1) or Agree (2) or are Not Sure (NS)** by circling your response.

M responses listed first F responses listed second	**Disagree**	**Agree**	**Not Sure**
51. I would make improvements if government assistance was available to provide free technical and financial assistance.	**1 0% 7%**	**2 64% 61%**	**NS 29% 22%**
52. I would make improvements if reputable private consultants and service providers were available for hire to provide technical assistance and services as needed.	**1 14% 20%**	**2 21% 33%**	**NS 57% 37%**
53. I would make improvements if my community and/or animal club/organization provided recognition and awards for good stewardship such as "Green Pastures Award" or "Healthy Landscapes Award", etc.	**1 29% 22%**	**2 21% 33%**	**NS 43% 35%**
54. I would make improvements if featured in a newspaper/magazine article, TV program segment, website, etc. for good stewardship.	**1 21% 28%**	**2 21% 24%**	**NS 50% 37%**
55. I would make improvements if my peers/fellow animal owners were also making improvements.	**1 29% 30%**	**2 21% 28%**	**NS 43% 30%**
56. I would make improvements if I was reminded that I needed to do so.	**1 36% 28%**	**2 43% 41%**	**NS 14% 20%**
57. I would make improvements to demonstrate good will in my neighborhood and be considered a good neighbor.	**1 7% 9%**	**2 79% 67%**	**NS 7% 13%**