

**63 Adult & 28 Youth Surveys Summarized By Age; 91 Surveys Total**

**A = Adult (19-70+)**

**Y = Youth (13-18)**

**Some questions apply to Adult only**

1. Age: A: 55% 40-49 Y: 68% 13-15, 32% 16-18

2. Gender: A: 75% female and 22% male Y: 71% female and 18% male

3. Combined Household Income: A: 49% 80000+

4. Last Educational Level Completed: A: 25% college and 25% post grad

5. Total property acreage:

A: 52% 1-5 acres

6. My property is located in:

A: 46% Washington

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

A:

43% horses	10% ducks
13% ponies	5% other poultry/fowl
14% dairy cattle	48% rabbits
10% beef cattle	2% donkeys
5% pigs	29% dogs
8% sheep	
22% goats	
43% chickens	
5% turkeys	

8. Number of years that you have owned/kept animals:

A: 19 (1-55)

Number of hours per week spent caring for animals:

A: 15 (0-60)

The following people care for the animals, check all that apply:

A: 97% adults, 82% youth, 5% hired help, 8% other friends or family

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

A:

- 88% pleasure & enjoyment
- 47% competition/ show
- 28% produce food/ fiber
- 67% teach children responsibility/ values
- 40% for service/ education
- 5% property maintenance

Y:

- 90% pleasure & enjoyment
- 71% competition/ show
- 7% produce food/ fiber
- 68% for service/ education
- 11% property maintenance
- other: pets

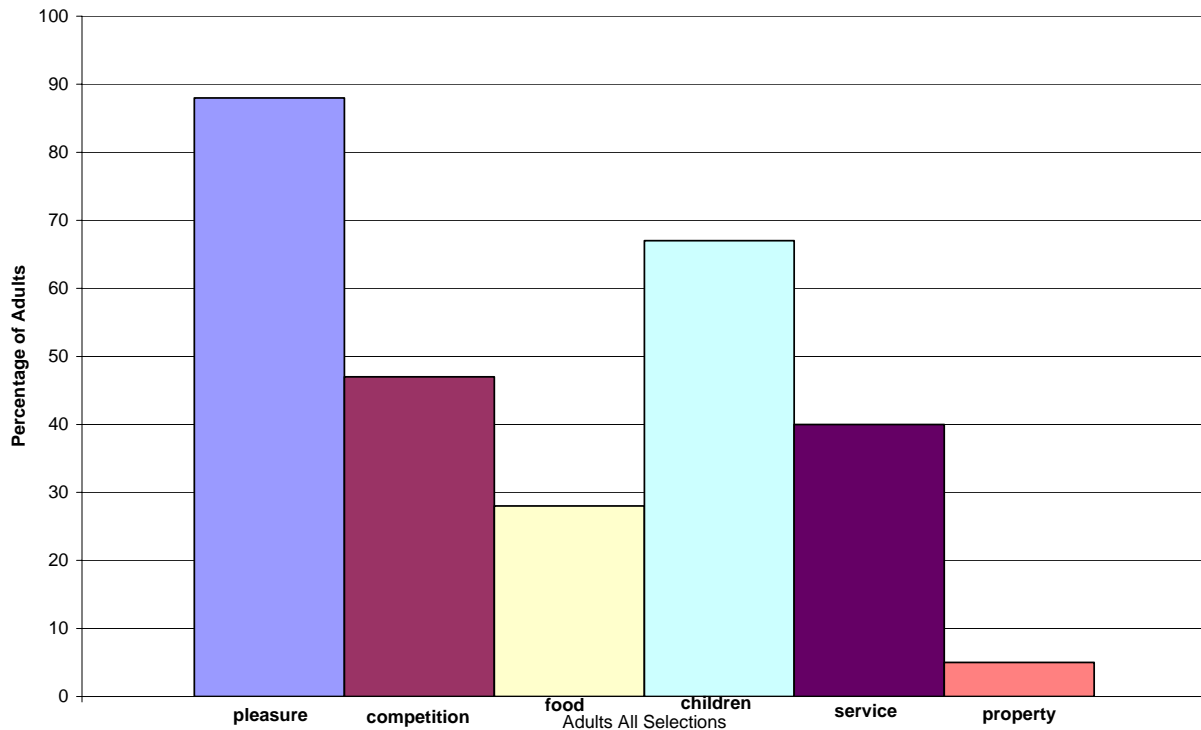
Choices selected as #1:

- 46% pleasure & enjoyment
- 5% competition/ show
- 3% produce food/ fiber
- 19% teach children responsibility/ values

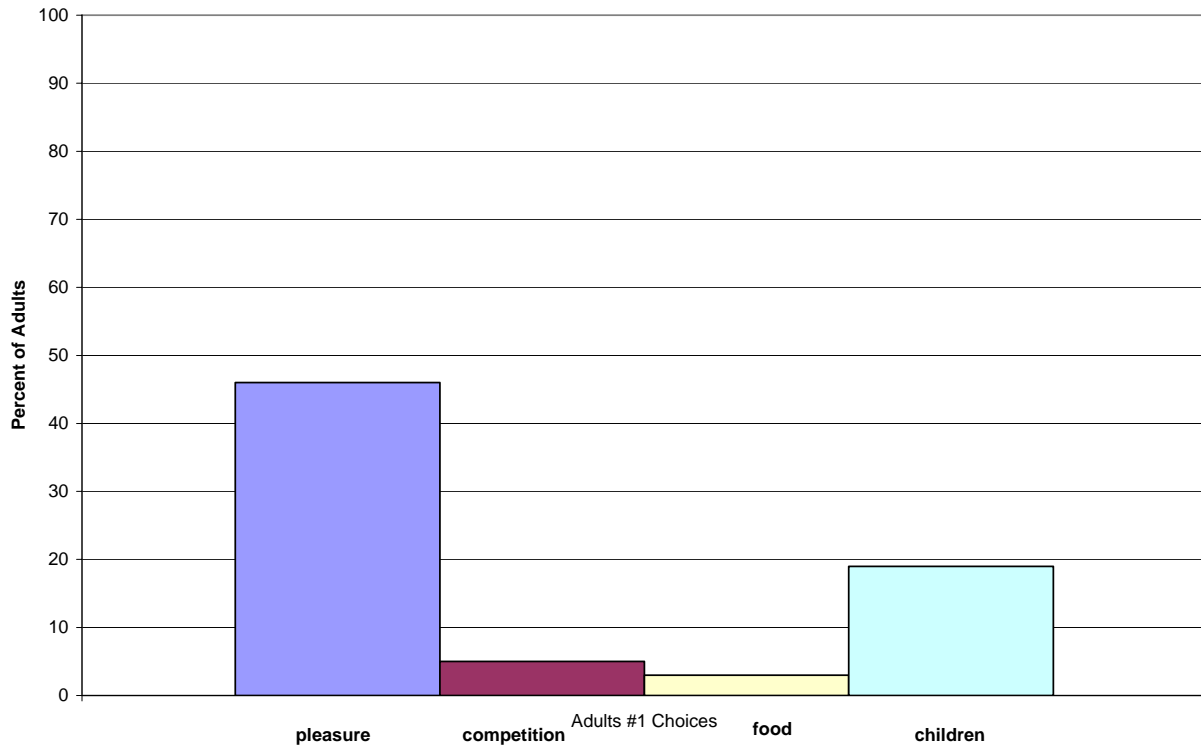
Choices selected as #1:

- 57% pleasure & enjoyment
- 21% competition/ show
- 11% service/ education

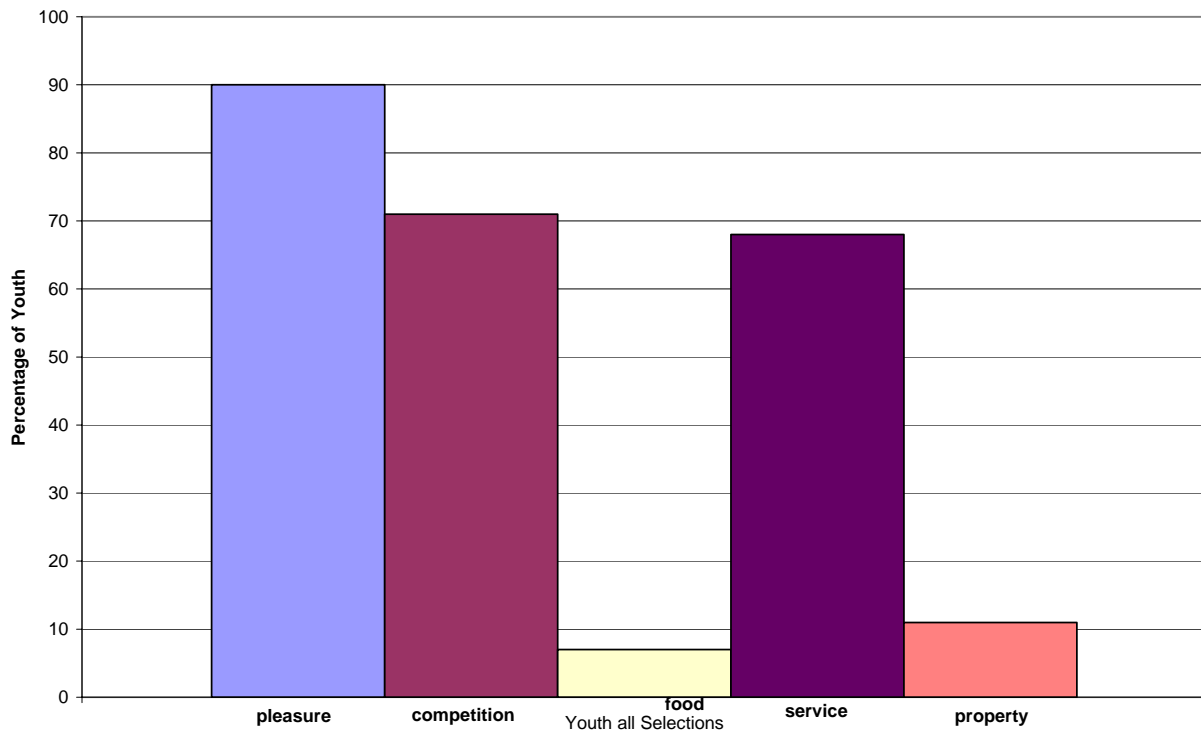
**Selected as Reasons for Owning Animals: adults**



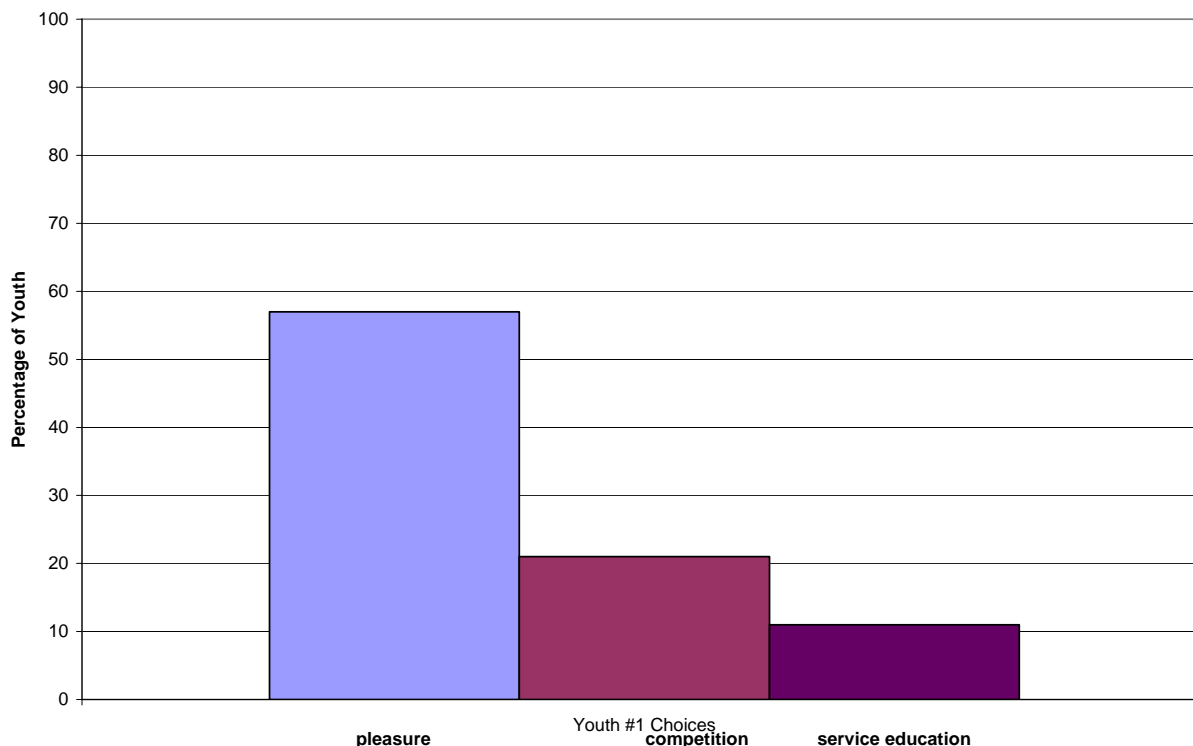
**Selected as #1 Reasons for Owning Animals: adults**



**Selected as Reasons for Owning Animals: youth**



**Selected as #1 Reasons for Owning Animals: youth**



10: I have the following on my property – adult responses only.

- 84% private well; 84% septic system; 46% pond, stream, or wetland; 63% vegetable garden; 63% flower garden;
- 75% barnyard (mean 1.6 acres, ranging 0.125 – 9 acres);
- 40% pasture (mean 2.8 acres, ranging 0.25 – 15 acres);
- 3% hay field (mean 4 acres, ranging 3 – 5 acres);
- 5% other crop field (mean 0.3 acre, ranging 0.25 – 0.5 acre);
- 54% woodlands (mean 7 acres, ranging 0.25 – 40 acres);
- 24% other open space (mean 2.6 acres, ranging 0.25 – 11 acres).

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

A:

- 76% farmers/ experienced owners
- 89% veterinarian
- 35% animal professionals
- 48% family/ friends
- 6% university/ extension
- 7% state/ federal govt.
- 39% animal association
- 42% feed/ supply stores
- 46% internet
- 48% books

Y:

- 64% farmers/ experienced owners
- 53% veterinarian
- 32% animal professionals
- 53% family/ friends
- 4% university/ extension
- 4% state/ federal govt.
- 54% animal association
- 28% feed/ supply stores
- 46% internet
- 29% books

31% magazines

29% magazines

Choices selected as #1:

30% farmers/ experienced owners

11% veterinarian

6% animal professionals

10% family/ friends

5% animal association

2% feed/ supply stores

6% internet

6% books

Choices selected as #1:

29% farmers/ experienced owners

14% veterinarian

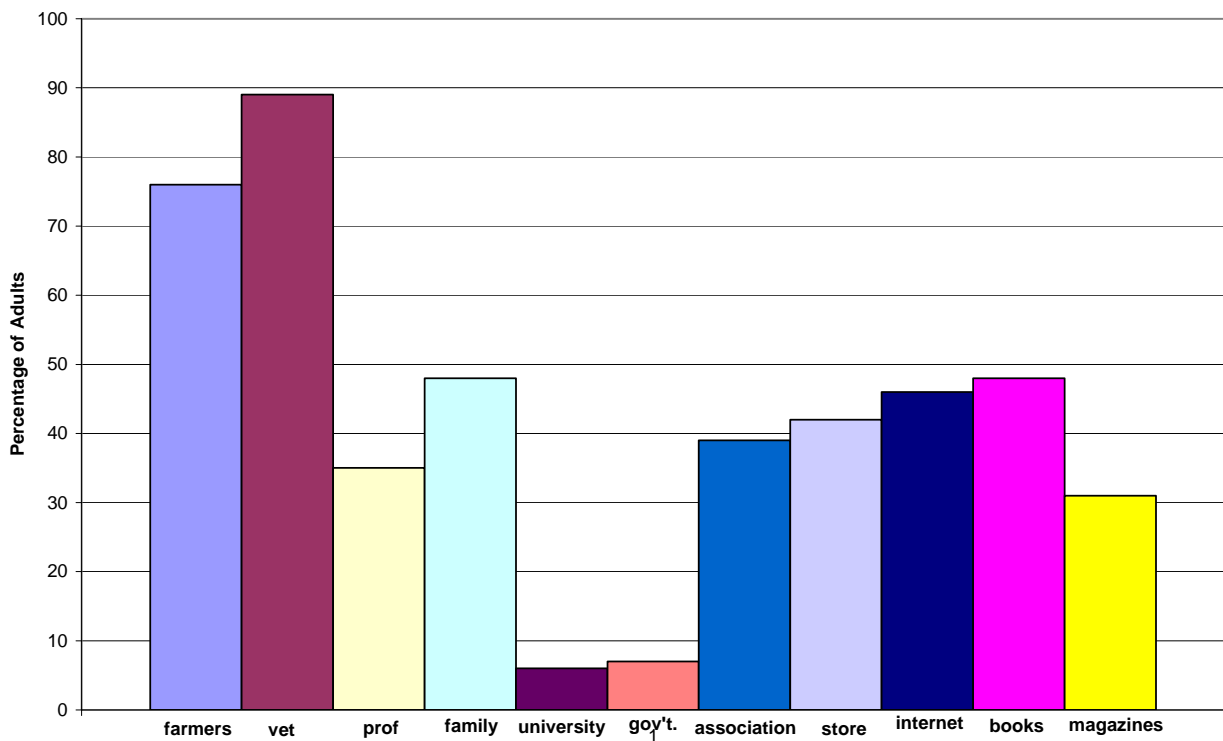
7% animal professionals

21% family/ friends

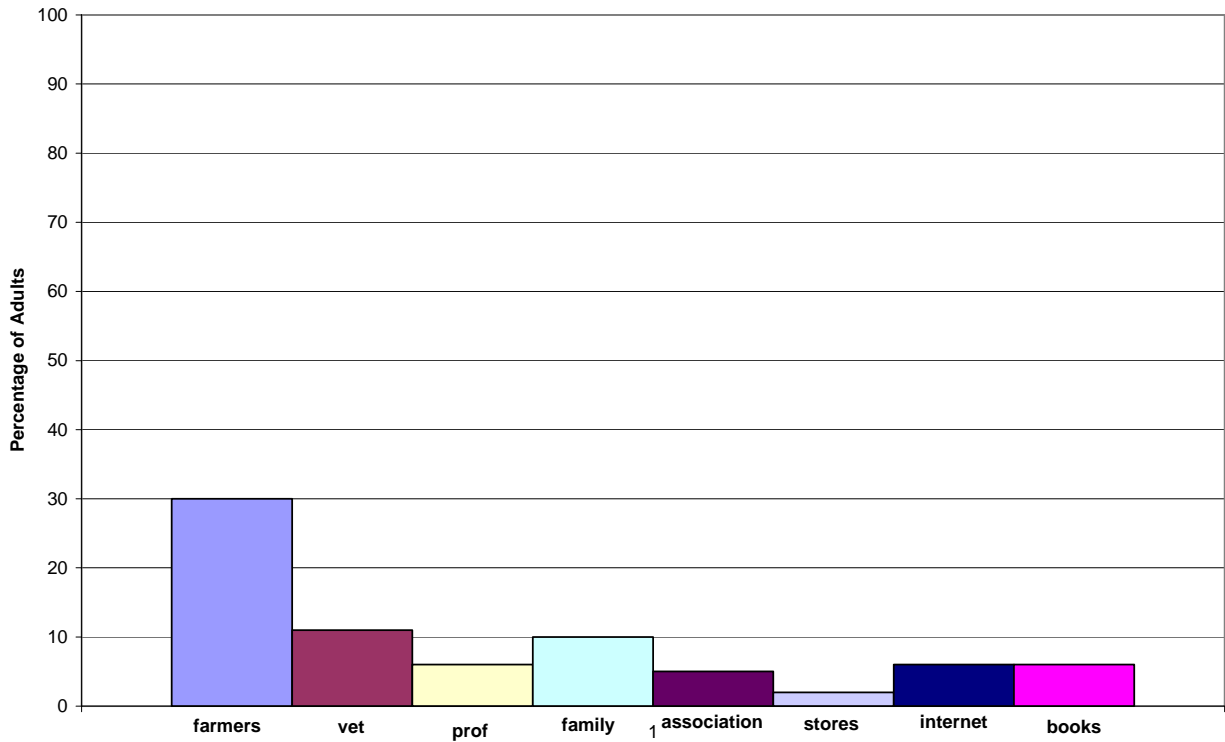
4% animal association

7% internet

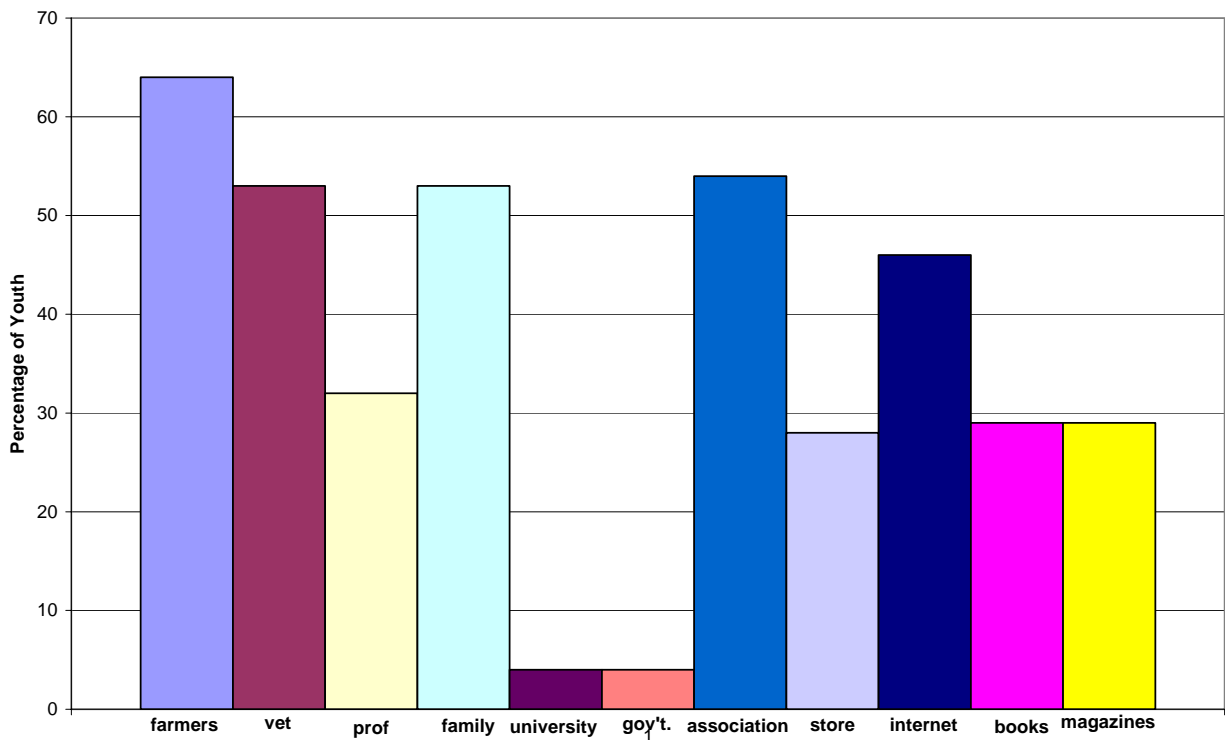
**Selected as Sources of Information Relied on Most: Adults**



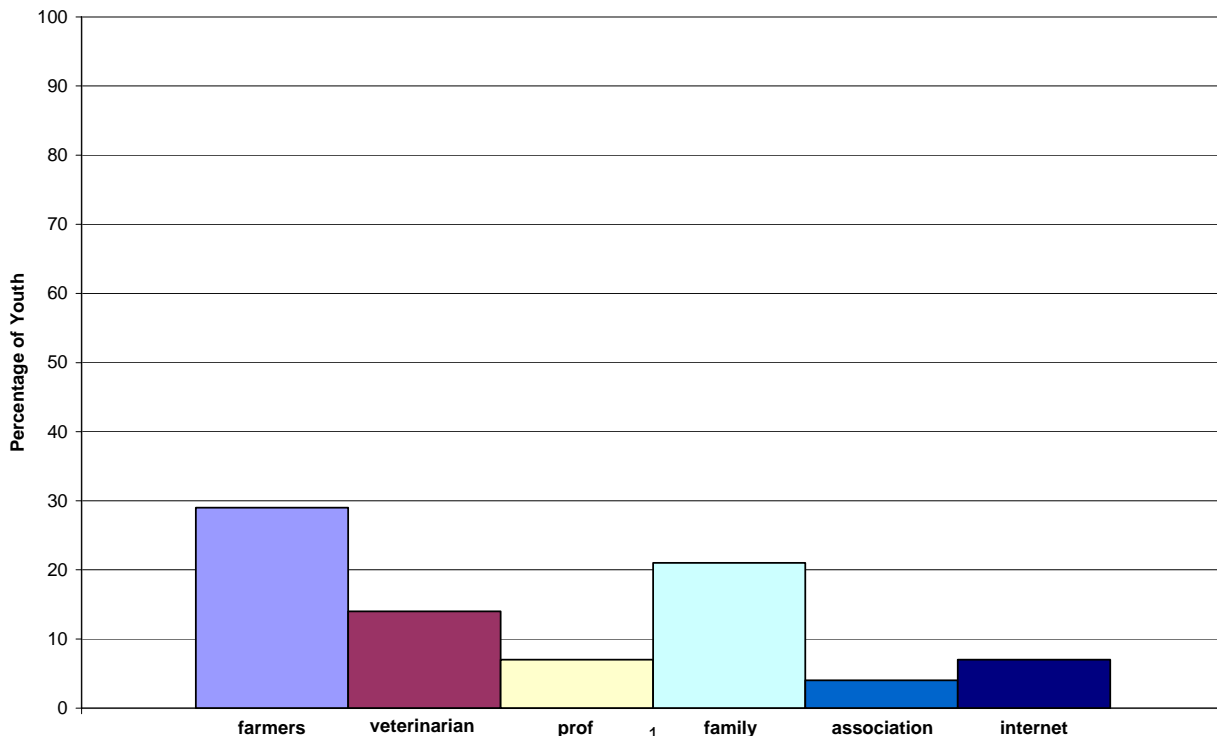
**Selected as #1 Sources of Information Relied on Most: Adults**



**Selected as Sources of Info Relied on Most: Youth**



**Selected as #1 Sources of Info Relied on Most: Youth**



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

A:

- 60% how to guides
- 27% how to video/ DVD
- 36% one-on-one
- 60% hands-on workshop
- 9% multi-week course
- 25% short indoor talk/ seminar
- 40% farm tour
- other: internet

Choices selected as #1:

- 19% how to guides
- 3% how to video/ DVD
- 21% one on one
- 22% hands on workshop
- 2% multi week course
- 3% short indoor talk/ seminar
- 14% farm tour

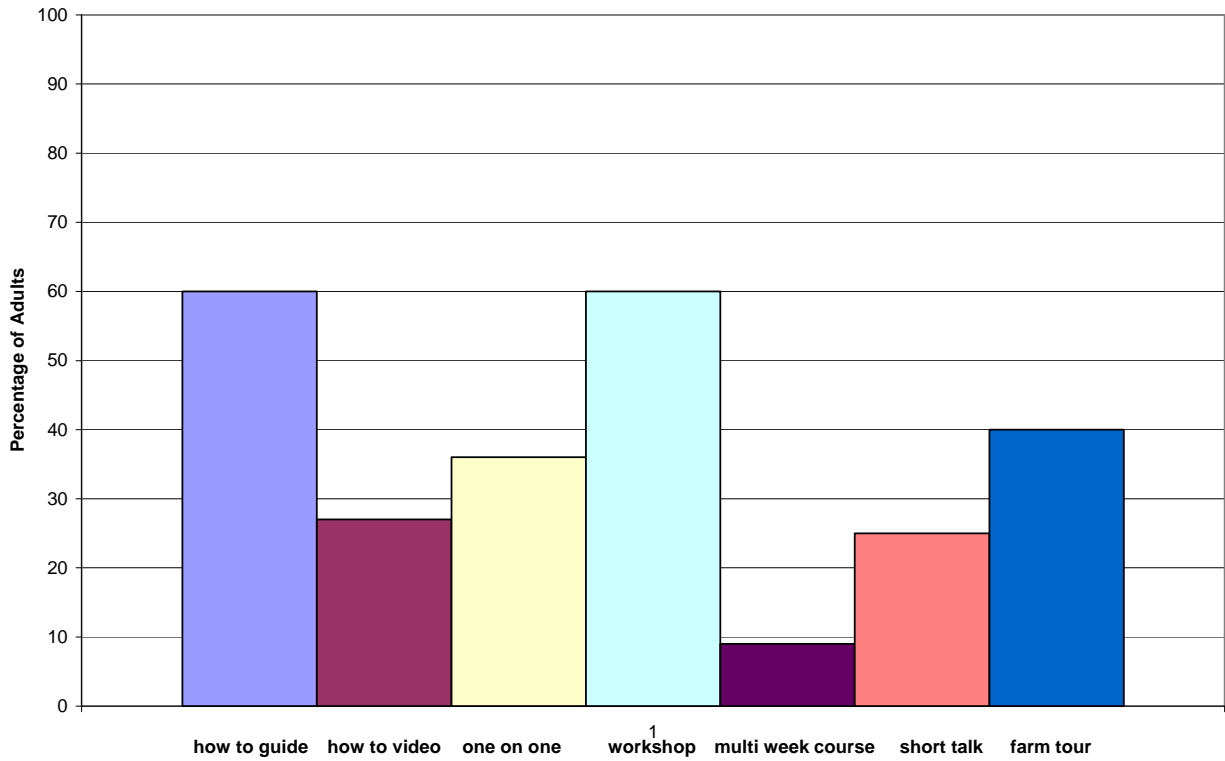
Y:

- 29% how to guides
- 25% how to video/DVD
- 47% one-on-one
- 75% hands-on workshop
- 18% multi-week course
- 21% short indoor talk/ seminar
- 40% farm tour
- other: clinics, weekly lessons

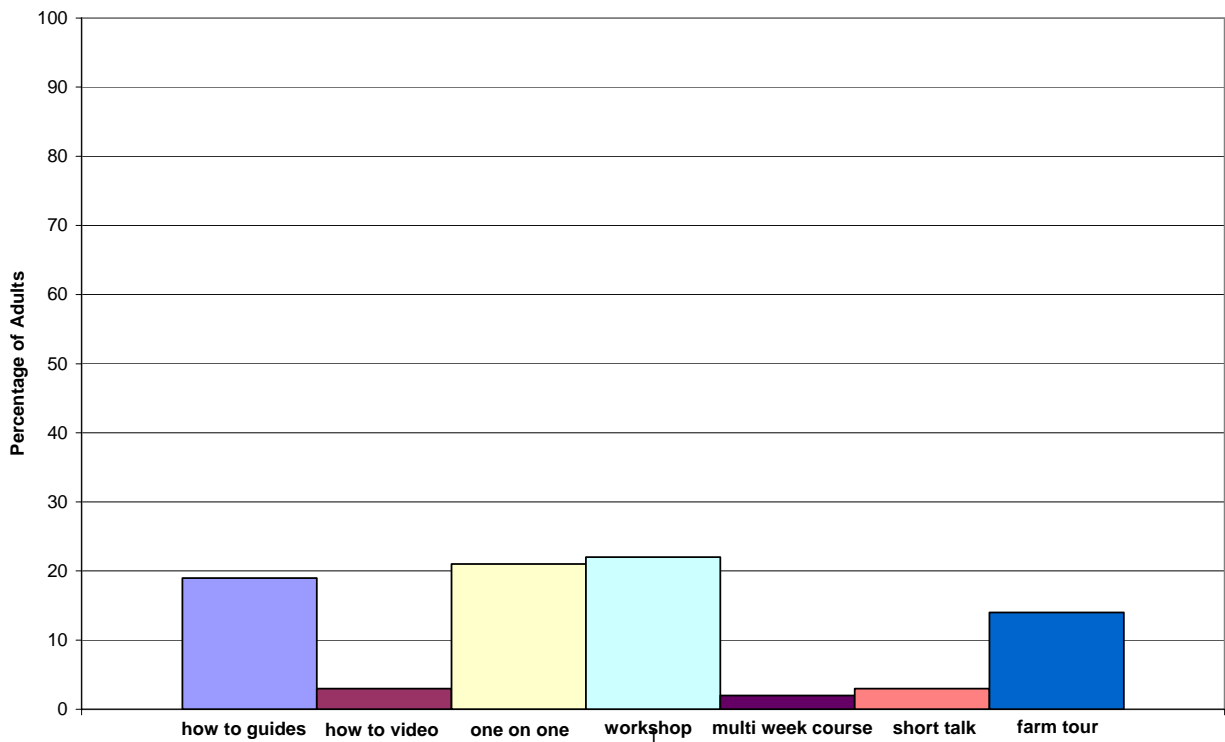
Choices selected as #1:

- 7% how to guides
- 29% one-on-one
- 43% hands-on workshop
- 11% farm tour

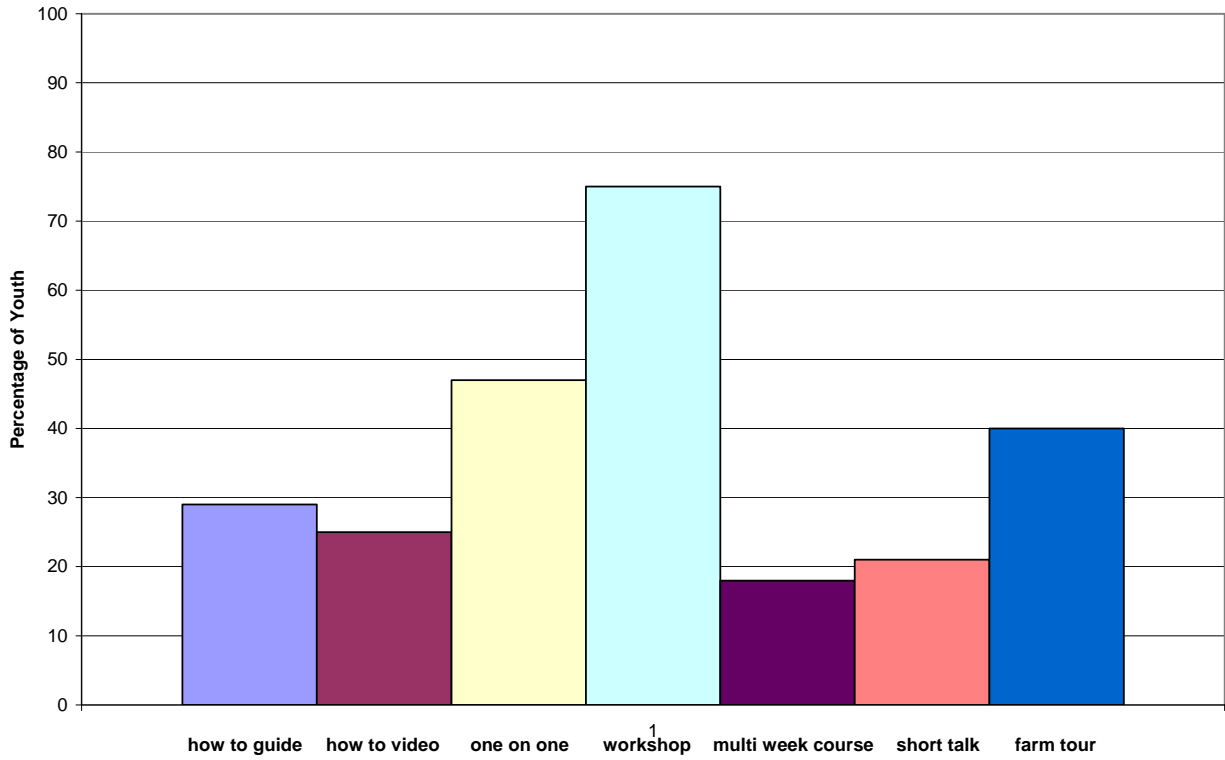
**Preferred ways to learn new info: Adults**



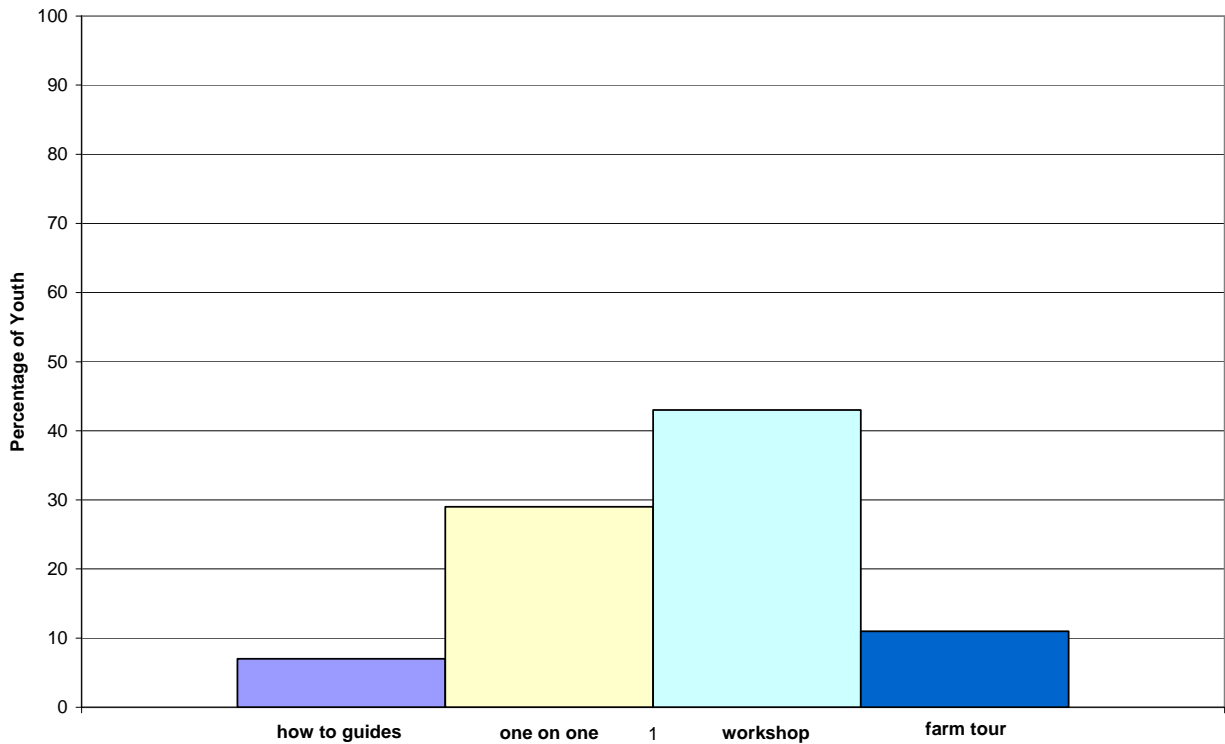
**Chosen as #1 preferred ways to learn new info: Adults**



**Preferred ways to learn new info: Youth**



**Chosen as #1 preferred way to learn more info: Youth**



**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.

	<b>Disagree</b>	<b>Agree</b>	<b>Don't Know</b>
<b>Bold number is the correct response.</b>			
<b>A responses are listed first</b>			
<b>Y responses are listed second</b>			
<b>Manure Management</b>			
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.	<b>1</b> 24%	2 51%	DK 16%
	<b>29%</b>	61%	7%
14. Flies, odor and convenience are the most important things to consider when locating a place to store manure.	<b>1</b> 40%	2 51%	DK 3%
	<b>39%</b>	43%	14%
15. Animal manure contains bacteria and other things (viruses, parasites and other microbes) that can cause illness.	1 2%	<b>2</b> 84%	DK 6%
	7%	<b>82%</b>	7%
16. Animal manure contains nutrients such as nitrogen, phosphorus and potassium.	1 0%	<b>2</b> 79%	DK 14%
	4%	<b>68%</b>	21%
17. Animal manure is a valuable source of organic matter and natural fertilizer for fields and crops.	1 2%	<b>2</b> 90%	DK 2%
	0%	<b>89%</b>	7%
18. It does not matter how much manure is applied to the land.	<b>1</b> 78%	2 3%	DK 13%
	<b>57%</b>	7%	25%
19. It is important to consider the time of year when applying manure to the land.	1 8%	<b>2</b> 75%	DK 11%
	11%	<b>61%</b>	25%

	Disagree	Agree	Don't Know
<b>Bold number is the correct response.</b>			
<b>A responses are listed first</b>			
<b>Y responses are listed second</b>			
20. Human health risks associated with animal manure can only occur through direct contact.	1 <b>65%</b>	2 11%	DK 17%
	<b>39%</b>	21%	32%
21. Animals can develop health problems when subjected to areas of concentrated animal waste.	1 2%	2 <b>86%</b>	DK 6%
	4%	<b>71%</b>	18%
<b>Animal Management</b>			
22. One <b>animal unit</b> is equal to 1,000 pounds of live animal weight.	1 3%	2 <b>14%</b>	DK 73%
	7%	<b>21%</b>	64%
23. Animal yards (outdoor pens, corrals, exercise areas, etc.) should be sized based on the number and type of animals occupying them.	1 2%	2 <b>87%</b>	DK 5%
	0%	<b>86%</b>	11%
24. Easy access to food, shelter and water are the most important things to consider when locating an animal yard.	1 <b>22%</b>	2 63%	DK 6%
	<b>4%</b>	89%	4%
25. There is a difference between a properly managed animal yard and a properly managed pasture.	1 6%	2 <b>68%</b>	DK 16%
	14%	<b>54%</b>	29%
26. For grazing animals such as cows, sheep, etc., properly managed pastures can provide valuable feed, reducing hay and grain costs.	1 2%	2 <b>86%</b>	DK 6%
	4%	<b>75%</b>	18%
<b>Land and Water Resources</b>			
27. One to two acres of land are needed to support one <b>animal unit</b> .	1 10%	2 <b>43%</b>	DK 40%
28. The type of soils on a given property can be different and affect its suitability for different land uses accordingly.	1 3%	2 <b>78%</b>	DK 10%

**Bold number is the correct response.  
A responses are listed first  
Y responses are listed second**

	<b>Disagree</b>	<b>Agree</b>	<b>Don't Know</b>
29. Groundwater and surface water are inter-connected. If one water resource becomes polluted, it can affect the other water resource. <b>Adult only</b>	1 6%	<b>2</b> <b>70%</b>	DK 17%
30. Nitrogen and phosphorus are potential sources of water pollution.	1 5%	<b>2</b> <b>60%</b>	DK 29%
	0	<b>50%</b>	39%
31. The only way a surface water body can be impacted by animal manure is when animals have direct access to the water body.	<b>1</b> <b>76%</b>	2 5%	DK 13%
	<b>57%</b>	11%	29%
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.	<b>1</b> <b>60%</b>	2 6%	DK 27%
	<b>46%</b>	21%	25%
33. An animal yard or manure storage area should be at least 100 feet away from a drinking water well.	1 2%	<b>2</b> <b>63%</b>	DK 27%
	0%	<b>75%</b>	21%

### Section III

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

A:

- 80% to protect animals' general health
- 47% to improve animals' performance
- 80% to control odor and flies
- 71% to improve the appearance of my property
- 75% to be a good neighbor
- 80% to protect the quality of my drinking water
- 75% to protect the surrounding environment

Choices selected as #1:

- 32% to protect animals' general health
- 4% to improve animals' performance

Y:

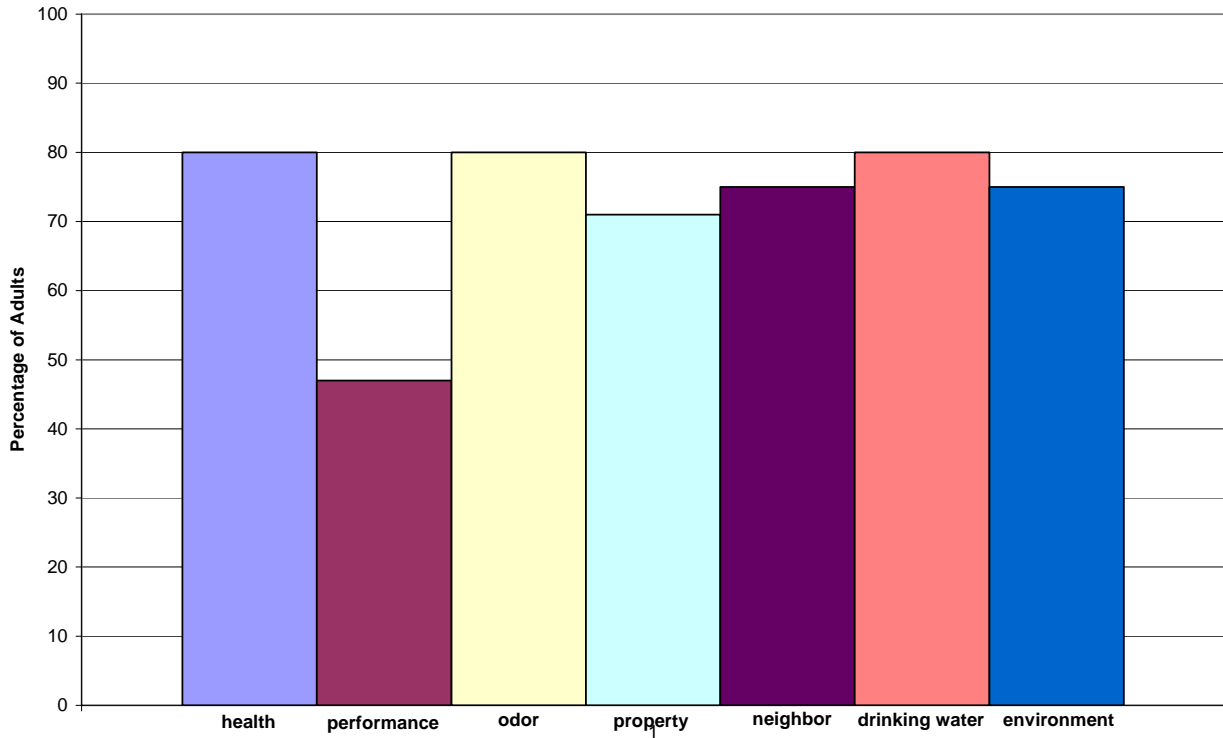
- 70% to protect animals' general health
- 56% to improve animals' performance
- 70% to control odor and flies
- 47% to improve the appearance of my prop.
- 59% to be a good neighbor
- 11% to be like my peers
- 65% to protect the quality of my drinking H<sub>2</sub>O
- 64% to protect the surrounding environment

Choices selected as #1:

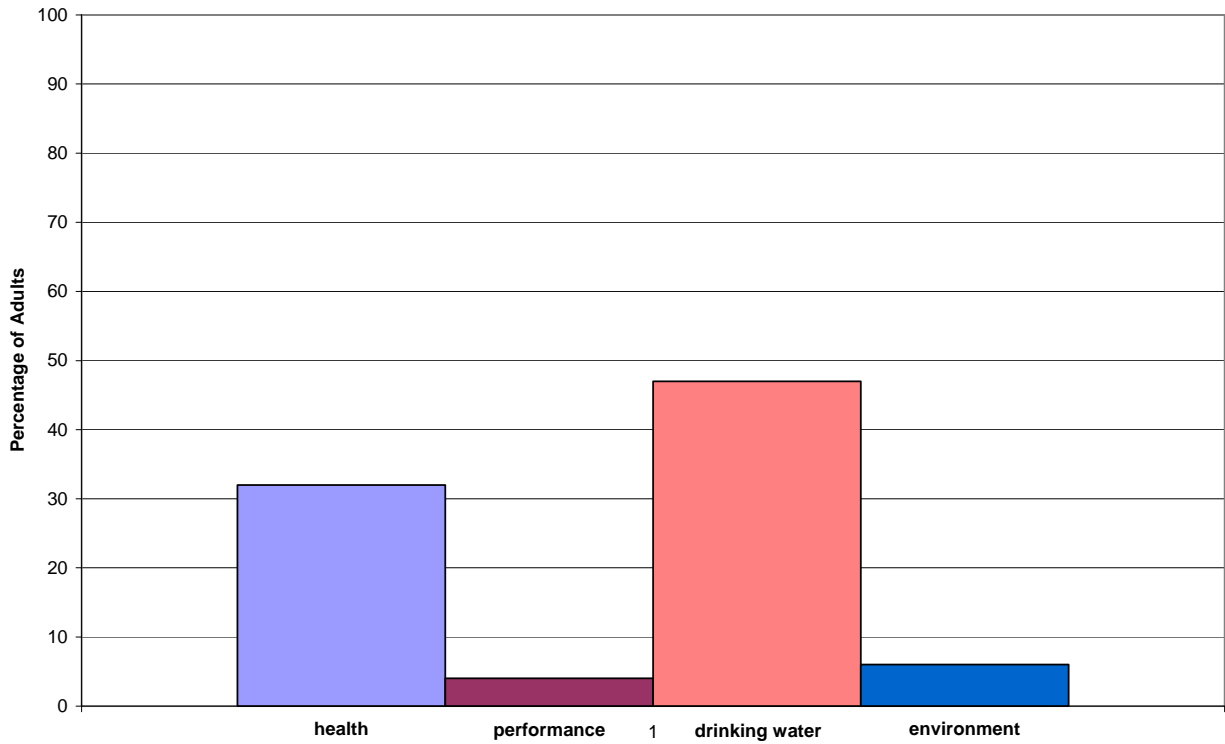
- 41% to protect animals' general health
- 6% to improve animals' performance

47% to protect the quality of my drinking water    5% to be a good neighbor  
6% to protect the surrounding environment        17% to protect the quality of my drinking H<sub>2</sub>O  
9% to protect the surrounding environment

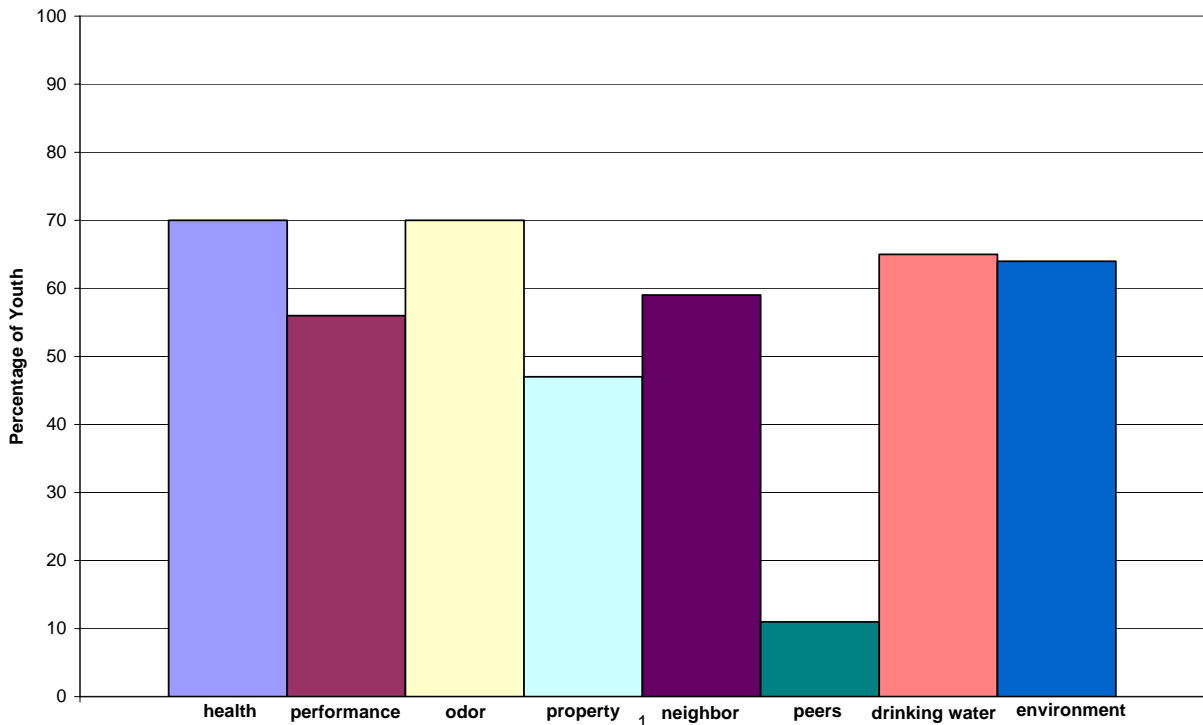
**Reasons why manure management is important: Adults**



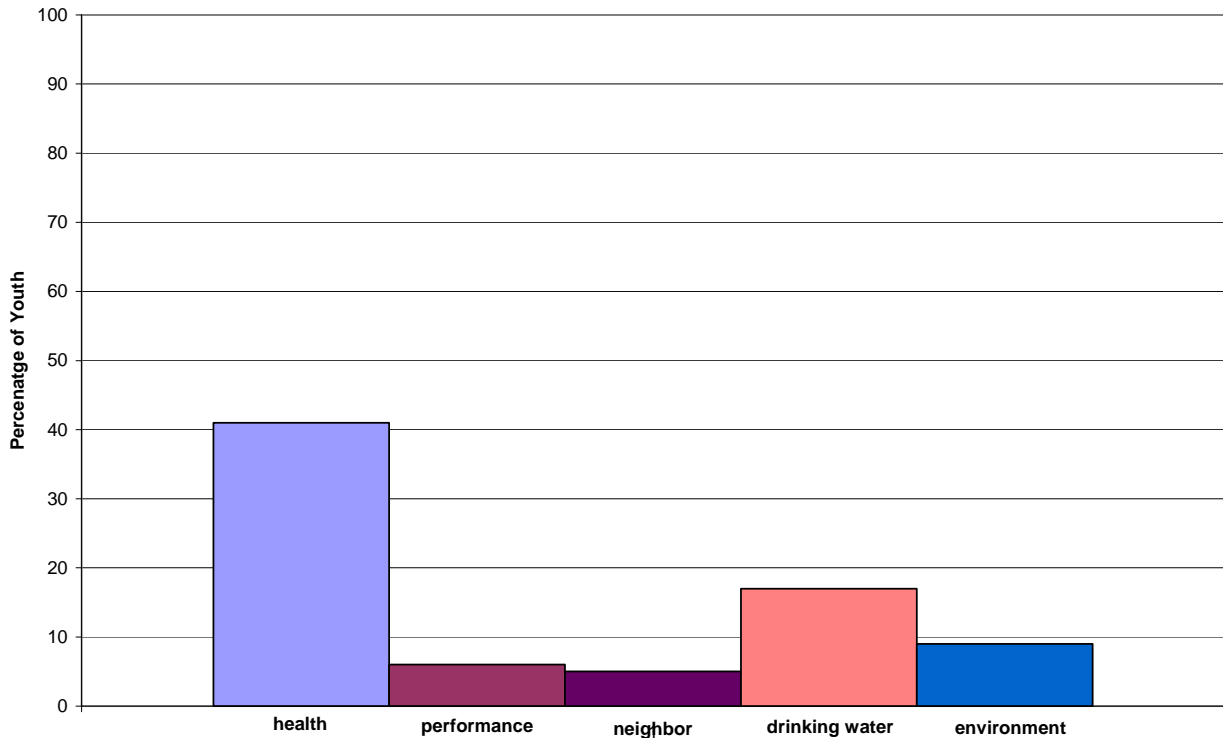
**#1 Reason why manure management is important: Adults**



**Reasons why manure management is important: Youth**



**#1 Reason why manure management is important: Youth**



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:

A: 22% knowledge, 19% No factors are limiting management

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

A:

40% cost

14% easy to do

41% time

31% labor

46% equipment

29% land

**Go to next page**

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.

	Adult responses only					
	1	2	3	4	5	NA
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.	56%	10%	6%	8%	3%	8%
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.	37%	22%	10%	10%	6%	6%
39. Store manure under a roofed area – does not need to be enclosed.	8%	5%	19%	24%	22%	14%
40. Actively compost the manure.	46%	19%	14%	5%	0%	8%
41. Install a concrete pad/floor with walls or other storage structure to contain the manure.	13%	11%	11%	13%	32%	13%
42. Improve how manure is spread on my own land – based on soil tests, proper timing, etc.	24%	30%	13%	6%	5%	14%
43. Pay to have manure hauled away to a place where it can be safely recycled or composted.	8%	5%	10%	24%	33%	13%
44. Install roof gutters to direct roof water away from manure storage areas and animal yards.	11%	13%	13%	11%	13%	32%
45. Install fencing to subdivide animal yard(s) and rotate the animals through different paddocks.	22%	13%	16%	10%	10%	22%
46. Restrict the animals from having access to a drinking water well or water body.	24%	13%	10%	5%	10%	32%
47. Install a roof over part or the entire animal yard.	21%	10%	10%	16%	16%	21%
48. Install a concrete pad or geo-textile material in part or the entire animal yard to improve muddy areas.	16%	5%	21%	17%	16%	17%
49. Find additional land nearby to periodically rotate the animals through – especially during the growing season.	11%	14%	14%	17%	17%	17%

**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.

	<b>Adult responses only</b>		
	<b>Disagree</b>	<b>Agree</b>	<b>Not Sure</b>
	<b>1</b>	<b>2</b>	<b>NS</b>
51. I would make improvements if government assistance was available to provide free technical and financial assistance.	<b>5%</b>	<b>62%</b>	<b>24%</b>
52. I would make improvements if reputable private consultants and service providers were available for hire to provide technical assistance and services as needed.	<b>17%</b>	<b>30%</b>	<b>43%</b>
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.	<b>22%</b>	<b>30%</b>	<b>38%</b>
54. I would make improvements if featured in a newspaper/magazine article, TV program segment, website, etc. for good stewardship.	<b>30%</b>	<b>22%</b>	<b>38%</b>
55. I would make improvements if my peers/fellow animal owners were also making improvements.	<b>32%</b>	<b>27%</b>	<b>32%</b>
56. I would make improvements if I was reminded that I needed to do so.	<b>29%</b>	<b>43%</b>	<b>17%</b>
57. I would make improvements to demonstrate good will in my neighborhood and be considered a good neighbor.	<b>8%</b>	<b>71%</b>	<b>11%</b>