New Hampshire Hippology Contest Hippology Team Problem Natural Parasite Control

| County | | |
|--|---|----|
| Team Member Names: | Numbers: | |
| recognize the importance of preve also feels that the minimum amou | arm where your 4-H club meets. The new owners ntative health care and parasite control, however, then to f chemicals should to be used on their horses to and prevent resistance to chemicals. | y |
| program targeting both internal arquarter horse mares and geldings | nior 4-H members to help them with a parasite control dexternal parasites for their personal herd of 5 adult that are used for pleasure and trail riding, and are show stabled at the farm, however, friends and 4-H members facility to use the riding facilities. | wn |
| practicesand a minimum amount ofand reduces the population chemicals | f natural parasite control and good management chemical deworming products of flies and other external parasites with a minimum | of |
| You have 10 minutes total (prep | ration AND presentation) | |
| Scoring: | possible points team score | |

25

5

5 5 5

<u>5</u>

50

Accuracy and completeness

Teamwork and participation

Organization

Presentation

Time management

Questions

Total

Hippology Team Problem Natural Parasite Control ANSWERS

Sources: Lewis pages 159 – 164 HIH Section 415 & 430

Evans pages 644 – 650 Controlling Parasites Fact Sheet

Strategies for internal parasite control

- Regular fecal egg counts
- Consult veterinarian for advice and to develop a schedule for fecal egg counts and dewormer use
- Removal of manure from turn-out areas not less than weekly (may be less often in below freezing weather)
- Raking and rotation of pastures and paddocks
- Prevention of transmission at shows by minimizing grazing in contaminated areas
- Do not allow visiting horses (or their manure) in the pasture/feeding areas.
- Use chemical dewormers in rotation at correct dose when indicated by fecal egg count
- Avoid feeding from the ground
- Spread only composted aged manure on pastures
- Avoid overgrazing
- When using chemical dewormers, treat all horses on the same day
- Rate of incidence of internal parasites is lower in tie stalls than box stalls

Strategies for external parasite control

- Eliminate standing or slow moving water from the farm by removing all objects in which rain water can collect (unused buckets, old tires, tarps, depressions in jumps, etc)
- Change water in outside buckets and troughs no less than every 48 hours
- Minimize manure piles and other rotting organic matter by hauling manure away, composting it, or covering manure piles. Also rake up spilled hay and feed and other fly breeding areas (in addition to picking up manure as mentioned in internal parasite strategies)
- Do not share grooming tools, blankets, or other equipment with visiting horses to reduce the chance of transmission of fungi, mites or lice
- Improve drainage to reduce or eliminate muddy areas
- Use fly sheets, bonnets, and wraps on horses to reduce need for repellants
- Use fly predators (parasitic wasps)
- Use natural fly repellants that do not use chemicals
- Provide shelters (run-in sheds) where horses can take shelter from flies
- Use natural fly traps

Teams do not need to mention EVERY strategy listed above, and may mention strategies not listed above as long as accurate (consult official sources if in doubt). **2.5 points** should be given for each accurate item, up to a maximum of **25 points** for the accuracy and completeness portion of the score.