

Background

- □The white-tailed deer (Odocoileus virginianus) is the most recognizable and hunted game species in the United States (USFWS 2011)
- □ Deer hunters have increasingly expressed interest in Quality Deer Management (QDM) (Collier and Krementz 2006)
- □QDM is a management strategy designed to:
- Increase buck age structure
- Achieve a balanced sex ratio
- Maintain deer density within habitat constraints (Brothers and Ray 1975, Miller and Marchinton 1995)

Background

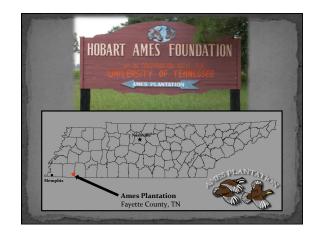
- □ Hunter harvest data typically guides management goals in a QDM program
- ☐ Hunter knowledge, perceptions, and satisfaction concerning QDM can influence harvest levels
- ☐ Hunters play a key role in meeting harvest objectives

(Riley et al. 2003, Woods et al. 1996, Enck et al. 2003, Harper et al. 2012)

Hunter Knowledge, Satisfaction, and Perceptions Improving hunter knowledge results in more effective management programs Hunter satisfaction has an influence on management strategy Hunter perceptions will influence how well objectives are reached Hunters are influenced by deer management programs







Methods

All Ames Plantation Deer Hunting Club members present at the pre-season meeting and banquet were surveyed from 2004-2013

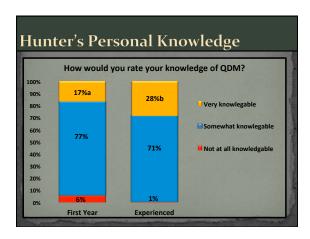
Members completed paper surveys prior to any QDM discussions or educational presentations

532 surveys were completed during the study period

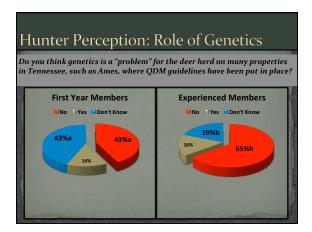
Methods We divided our survey data into two groups to measure program influence: New members (137) -first year member -member for 1 or more

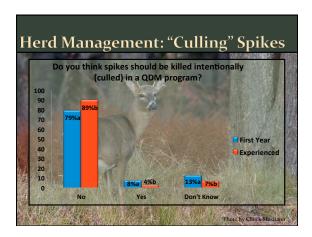
Statistical Analysis The survey data were analyzed using IBM SPSS 20 We used likelihood ratio (G) with z-tests to compare proportions of responses between new and experienced members Statistical significance was concluded at P ≤ 0.05 for all tests

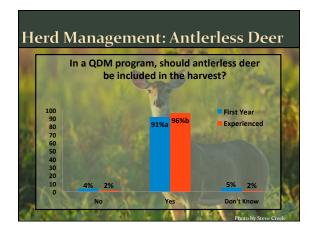


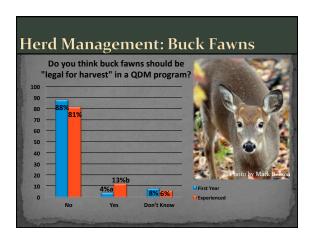


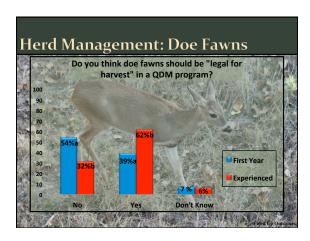


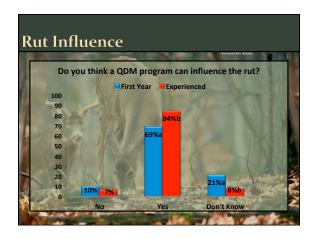


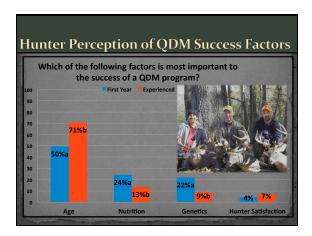


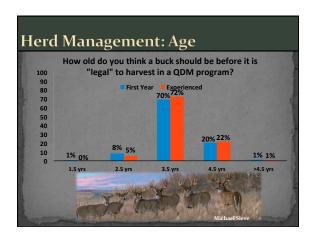


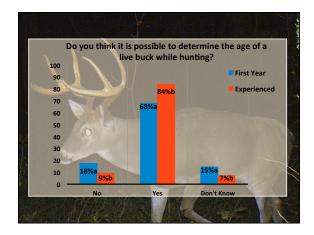


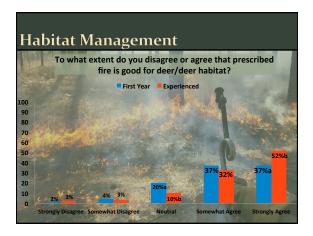


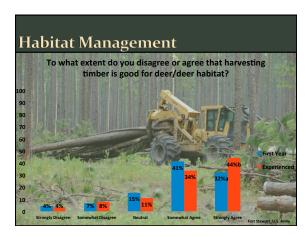


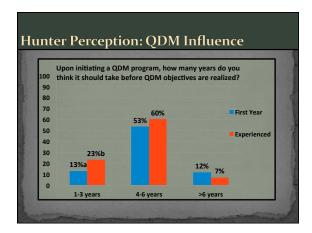


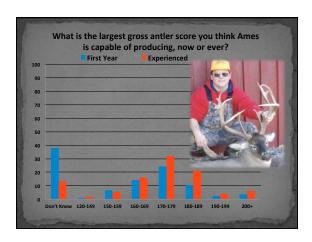


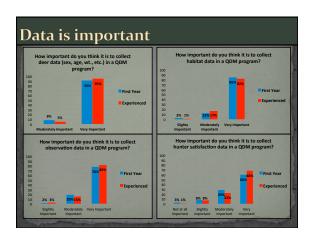












First-Year Members	Experienced Members		
1. Hunting on a controlled property	1. Hunting on a controlled property		
11. To be with friends 12. Social interaction	11. To be with friends 12. Social interaction		
13. Venison for food	13. Venison for food		
Lancas			
First-Year Members	Experienced Members		
Hunting on a controlled property Being a part of a hunting group	1. Hunting on a controlled property		
with a shared management	2. Challenge of the hunt		
objective 3. Challenge of the hunt	3. Experiencing nature 4. A place to hunt		
4. Experience nature			
5. Antler size/characteristics 6. A place to hunt	6. Being part of a hunting group with shared management objectives		
7. Hunting under management	7. Antler size/characteristics		
guidelines 8. Overall deer sightings	8. Overall deer sightings 9. Hunting under management		
9. Opportunity to manage a deer herd	guidelines		
10. Solitude	10. Opportunity to manage a deer herd 11. To be with friends		
11. To be with friends 12. Social interaction	12. Social interaction		
13. Venison for food	13. Venison for food		
1			
Implications of I	Results		
	ws that hunters are able		
to grasp and absorb s			
information when it i	s presented to them		
State wildlife	a abould make their		
State wildlife agencies biologists more acces	s should make their		
biologists more acces	private clabs	 	
Insert a ODM module	into hunter education		

Implications of Results

Survey hunters to learn their deficiencies in knowledge of deer biology and management

Address areas where increased knowledge and understanding is needed

Hold annual field seminars and workshop events to increase understanding and provide scientific support for deer management regulations

Acknowledgements Craig Harper • Adam Willcox

- Allan Houston
- Kip Adams
- Ryan Basinger
- Randy DeYoung
- Joe Hamilton
- Bronson Strickland







Enck, J. W., T. L. Brown, and D. Reihlman. 2003. Landowner and hunter response to it Quality Deer Management (QDM) cooperative near King Ferry, New York. Cornell Us Dimensions Research Unit Series Report 03-7, 1thaca, New York, USA.

