



SAE Information - Wildlife research

Name:	Wildlife research
SAE Type:	Research/Experimentation
AFNR Pathway:	Natural Resource Systems
SAE Subcategory:	Natural Resource Systems
Date Range:	9/1/2011 - 12/31/2011
Scope Statement:	1 each

SAE Plan - Wildlife research

My SAE to complete a research project in quail habitat is driven by my interest in wildlife and from the courses I have taken in agricultural education.

My abstract of research is that grass availability is directly related to quail population, which is supported by many research findings (Hernandez and Ballard, 2011; Kuvlesky, 2010). My research question is:

Is forage management for pasture a negative management practice to improve quail habitat? My research project is started by financial help from the ranch owner that will provide \$1,200 in funding for this project.

My project starts at the beginning of school (September) and ends by November of _____ (b).

Supervision of my project is from my teachers and my parents. My project involves weekly labs at the ranch and research work. When I am working at the ranch I usually...

My time planned to research involves...

The completed research showed that native natural pastures are significantly higher in terms of quality and frequency of population during the inspections. Forage growth was actually less than improved pasture, but again population was higher.

I also learned about wildlife management and this has increased my interest in this area. I do need more information about pasture management, which would come from classes in soils and maybe chemistry. Also, reproduction and habitat management would be of interest and I need more classes in biology and more wildlife management courses, which I plan to take in high school as well as in college.

Journal - Experience-related Activity - Wildlife research

Date	Activity / Description	Hours
11/20/2011	Report Summary Once the data was analyzed, I developed tables and figures and placed in an MS Word file for the final report. This effort took over 2 weeks and represent the time from November 10 to 20th.	15.00
11/10/2011	Data reports Using the two test areas, each area had a total of 4 zones that served as the collection point. Each zone had measures such as quail population, rainfall, forage height and general assessment such as ants, other animals and fence condition. Each zone was approximately 5 acres, for a total of 20 acres per test area, which is a total of 40 acres. In this effort I summarized the average value data for each zone, total test area and across the entire sample.	5.00
11/5/2011	data analysis Compiling data from collection sheets into MS Excel in order to summarize data and obtain preliminary results. My teacher also helped me with this process	5.00
11/1/2011	Collecting data 3 Collection of data 3, which is my final collection of research data	5.00
10/20/2011	Collecting data 2 Second collection of data from sample plots	5.00
10/15/2011	Sample 1 Monitor test areas, count quail, rain gauges, measure pasture length and other work area. Also, did some repair work on 4 wheeler and trailer I am using from the ranch	5.00
9/15/2011	Establish research plots Choosing Ewell ranches, I developed two pastures that I use as a natural areas with no mowing or herbicide with the other pasture being managing as a livestock pasture.	4.00

Journal - Experience-related Activity - Wildlife research

Date	Activity / Description	Hours
9/11/2011	Scouting Qual pastures and ranches I visited several ranches this weekend to find a landowner that was willing to help me with a rent free deal, great habitat and good variety of landscape. My teacher also accompanied me to review operations and meet landowners.	12.00
9/1/2011	purchase items Purchasing my items needed to complete this research project	5.00
	Total Entries: 9	61.00

Operating Expense - Wildlife research

Date	Vendor	Memo	Type	Amount
9/1/2011	feed store	grain feed for research plots	Supplies	\$100.00
9/1/2011	feed store	snake boots	Supplies	\$150.00
9/1/2011	feed store	journals and recording devices	Supplies	\$50.00
12/31/2011	Depreciation: Laptop for research		Depreciation	\$60.00

Operating Income - Wildlife research

Date	Vendor	Memo	Type	Amount
9/1/2011	Ewell Ranches	Funded research on quail study	Research Funding	\$1,200.00

Profit/Loss Report - Wildlife research

Type	2011	2012	Total
1. Current/Operating Income			
Beginning Inventory	\$0		
Market Inventory Adjustments			
Ending Inventory			
Change in Inventory			
Research Funding	\$1,200		\$1,200
Total Cash Income	\$1,200		\$1,200
Total Non-Cash Income			
Total Current/Operating Income	\$1,200		\$1,200
2. Current/Operating Expense			
Supplies	\$300		\$300
Total Cash Expense	\$300		\$300
Total Non-Cash Expense			
Capital Depreciation	\$60		\$60
Total Current/Operating Expense	\$360		\$360
3. Net Current/Operating Income	\$840		\$840
Journalled time (hours)	61.0		61.0
Net Current/Operating Income per Hour	\$14		