* Front Matter
	+ Preface
	+ Foreword
	+ Acknowledgements
	+ Copyright
	+ Table of Contents
	+ List of Figures
	+ List of Tables
	+ List of Maps
	+ List of Diagrams
* Introduction
	+ Historic Context
	+ Spatial Context
		- North American / United States beef industry
		- CAFO definition
		- Antibiotics use to increase marketable biomass
	+ Social Context
	+ Problem Statement
		- General problem
		- Meso-scale problem
		- Specific problem
* Literature Review
* Methods
	+ Site Description
		- Alford silt loam (NRCS 2021)
	+ Sampling Design
	+ Human Subjects Committee Compliance
	+ IACUC Protocol
	+ Data Collection Protocol
	+ Quality Control & Error Checking Protocols
	+ Statistical Analyses
		- Univariate summary stats
			* Mean
			* Median
			* Mode
			* Range
			* Standard deviation
		- Bivariate stats
			* Cross-tabulation
				+ Chi-square
			* Correlation
				+ Positive or negative
			* Difference testing
				+ T-tests
			* ANOVA
			* ANCOVA
		- Multivariate statistics
			* Multi-ANOVA / MANOVA
			* Multi-ANCOVA / MANCOVA
		- Statistical models
			* Power analysis
			* Linear
			* Nonlinear / exponential
			* K-means cluster model
			* Factor analysis
			* Computer simulation models
			* Monte Carlo simulation
* Anticipated Results
* Works Cited
* Appendixes