

Need to Know- for graziers & those who hire them

Graziers, pp. 1-2

Those who hire them pp. 5-6

Management of Livestock

I. Animal Husbandry

- A. Stages of Production
- B. Digestive System
- C. Nutrition
 - a. Diet selection as a grazing animal
 - b. Mineral supplementation
 - c. Supplemental feed based on vegetation
- D. Health
 - a. Effects of health on wildlife
- E. Animal Handling/Herding

II. Livestock Selection

- A. Appropriate Breeds and Species
 - a. Comingled species grazing
 - b. Staggered grazing
- B. "Designer Livestock" develop based on criteria: temperament, BCS, eating behavior, diet preference, parasite resistance
- C. Age - young versus mature with horns
- D. Sex - does versus heavy weight wethers

III. Pasture Management

- A. Stock density
- B. AUMs, ADAs
- C. Residual matter
- D. Achieving desired vegetation goal

IV. Equipment

- A. Vehicles
- B. Fencing
 - a. Electric Fence
 - b. Panels and chute setup
- C. Water setup, minerals

V. Dogs

- A. Herding Dogs
- B. Guardian Dogs
 - a. Training and upbringing
 - b. Health management (ticks, snakes, haircuts)
 - c. Alternative predator control

Need to Know- for graziers & those who hire them

VI. Emergency Protocol

- A. Evacuation Route and Method
- B. Disease Outbreak SOP
- C. Theft/Vandalism Response and Prevention

Management of Natural Resources with Livestock

- I. Identifying natural resources present
 - A. Understanding function and characteristics
 - B. Nature of ecosystem
 - C. Awareness of sensitivities or restrictions

- II. Identifying plant species
 - A. Resources available to help identify
 - B. Changes by growth stage
 - C. Palatability
 - D. Toxins and adverse reactions
 - E. Plants to avoid and plant to protect

- III. Wildlife
 - A. Understanding habitat and resources needed
 - B. Understanding effects of grazing on habitat
 - C. Identifying threat of predation present
 - D. Threat of disease transfer and prevention measures

- IV. Watersheds and Riparian Areas
 - A. Protection and preservation
 - B. Stability of banks and spillways
 - C. Tree girdling

- V. Assess goals and application of livestock grazing
 - A. Attainable goals
 - B. Methodology
 - C. Monitoring for results
 - D. Adapting based on site response

Management of Targeted Grazing Business

- I. Business Plan
 - A. Goals and Scope of Business
 - B. Outline of Operations
 - C. Target Customer
 - D. Management, Employees and Compensations
 - E. Financial Plan
 - F. Production Plan

Need to Know- for graziers & those who hire them

- G. Capital and Infrastructure
- H. Process of bidding services/price model
- I. Incorporation

II. Insurance

- A. General Liability
- B. Auto Insurance
- C. Workers Compensation
- D. Livestock Insurance

III. Financials

- A. Yearly Budget and Projections
- B. Cash Flow
- C. Efficiency of resources
- D. Taxes

IV. Writing and Reviewing Targeted Grazing Contracts

- A. Explanation of Services
- B. Disclaimers to Include
- C. Simple but Comprehensive

V. Employees

- A. Hiring and Training
- B. Qualifications
- C. Management and Resources Needed

VI. Public Relations

- A. Public Perception
- B. Education Opportunities
- C. Social Media

VII. Advertising

- A. Reputation
- B. Word of Mouth
- C. Online presence
- D. Social Media

VIII. Legal

- A. Review and writing of contracts
- B. Protection for lawsuits
- C. Monitoring and tracking work to limit liability

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IX. Customer

- A. Private versus Public Sector
 - a. Expectations and level of expertise required
 - b. Satisfying needs reasonably
 - c. Pros and Cons
- B. Net 30 payday
- C. Relationships that work

Need to Know- for graziers & those who hire them

for People Hiring Targeted Grazers

I. Initial Project Evaluation

- A. Is Targeted Grazing the right tool
 - 1. Can livestock accomplish project goal
 - 2. Can livestock and personnel well being be protected
 - 3. Targeted Grazing combined with other land management tools
 - 4. Assess proper use of tools to align with desired landscape outcome
- B. Outline Long Term Land Management Goals
- C. Identify Target and Non-Target Plant Species
- D. Identify Site Concerns for Special Management

II. Measures of Success

- A. Desired minimum utilization of target species
- B. Desired maximum utilization of non-target species
 - 1. Biomass reduction amount
 - 2. Max-Min stubble height
- C. Monitoring
 - 1. Identify sample technique and describe strategy
 - 2. Responsible party to perform monitoring
 - 3. Repeat photo points established
- D. Define acceptable associated impacts of grazing project
 - 1. Bedding areas, sacrifice areas, erodible areas
 - 2. Vehicle transit routes
 - 3. Herder campgrounds
 - 4. Sites in public viewsheds

III. Resource Inventory

- A. Physical Inventory
 - 1. Location and boundary of project
 - 2. Existing Fencing and gates
 - 3. Roads and any limitations
 - 4. Water location and capacity
 - 5. Other Available utilities (electricity)
 - 6. Topographic Features
 - 7. Ecological Constraints and Exclusions
- B. Regulatory Constraints and Exclusions
 - 1. Zoning
 - 2. Agency Guidelines
 - 3. Vehicle and Machinery use restrictions
 - 4. Other Constraints
- C. Plant Community and Soils Inventory
 - 1. Monitoring Approach and Schedule
 - 2. Responsible Party
 - 3. Delivery and Storage of inventory information

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IV. Service Provider Selection Criteria

A. Experience

1. Years in Business
2. Types of Previous Project
3. References from Clients
4. Livestock Experience- vegetation, location, urban/remote

B. Ability to describe and handle Problems/Disasters

1. Backup water setup
2. Inclement weather
3. Predators - reasonable and legal protection
4. Wildfire - evacuation of animals and equipment
5. Livestock Escape - prevent, detect and respond timely
6. Employee/Staff Alternatives

V. Contract Issues

A. Designated Contract Administrators

1. Hiring Agency Individual - final authority, bidding process, tours, answer questions
2. Establish Second in Command - if needed

B. Insurance Requirements

1. Liability
2. Workman's comp
3. Other

C. Livestock management

1. Source of animals and length of time comingled
2. Health Certificates
3. Quarantine Requirements
4. Water Requirements
5. Bedding Restrictions
6. Access for Unloading and Reloading livestock
7. Use of Guardian Animals

D. Personnel management

1. Location of camp site for herders –close to work site
2. Restriction of public access to campsite

E. Length of contract

1. Start/Stop dates or phenological condition of vegetation and periods of exclusion
2. Number of years for contract

Need to Know- for graziers & those who hire them

F. Notification

1. List adjacent landowners: mailing address and phone numbers
2. Specification of responsible party for notifying
3. Signage – placement, types and responsible party (electric fence and dogs)
4. News releases to inform public
 - a. Restricted Access
 - b. Explanation of Project

G. Force Majeure Statement

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