

UNIVERSIDAD JUAREZ DEL ESTADO DE DURANGO
PRGRAMA INSTRANSTITUCIONAL DE DOCTORADO EN CIENCIAS
AGROPECUARIAS Y FORESTALES

Nombre del curso: Nutrición de Rumiantes en Pastoreo.

Profesores Participantes:

Dr Arturo S Juárez Reyes
PhD Ma Andrea Cerrillo Soto
PhD Manuel Murillo Ortiz

Duración del curso: 20 semanas

Objetivo del curso: Proporcionar a los alumnos los aspectos relevantes de la nutrición de rumiantes en agostaderos

Evaluación de los alumnos: Exámenes escritos (50 %) y Seminarios (50 %)

CONTENIDO TEMATICO


A.- COMPORTAMIENTO Y BIOENERGÉTICA ANIMAL

- 1.- Concepto de comportamiento en rumiantes en pastoreo.
- 2.- Métodos de medición del comportamiento alimenticio en rumiantes en pastoreo.
- 3.- Factores relacionados con el comportamiento alimenticio de rumiantes en pastoreo
- 4.- La dieta de los rumiantes en pastoreo, factores que afectan la selectividad, métodos disponibles para la obtención de la dieta, composición química y composición botánica de la dieta
- 5.- Consumo voluntario (CV) en rumiantes en pastoreo y factores que afectan el CV.

B) SELECCIÓN DE LA DIETA

- 1.-Fuentes de minerales para el ganado en pastoreo.
- 2.-Factores que afectan el contenido de minerales en las plantas.
- 3.-Papel de los minerales en el metabolismo.
- 4.-Requerimientos Minerales.

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5.- Incidencia de deficiencias y toxicidades minerales.

6.- Interrelaciones entre los rumiantes en pastoreo y la fauna silvestre.

C.- FAUNA SILVESTRE Y RUMIANTES

1.- Consideraciones generales sobre el mantenimiento de la biodiversidad.

2.- Ecología nutricional de rumiantes silvestres con énfasis en el venado cola blanca (*Odocoileus virginianus*).

3.- Ecología nutricional de herbívoros menores.

4.- Competencia inter específica por los recursos forrajeros

D.- SUPLEMENTACIÓN DE RUMIANTES EN PASTOREO

1.- Principios de la suplementación y factores que afectan la respuesta de los animales al consumo de suplemento.

2.- Épocas de suplementación, frecuencia y tipos de suplemento utilizados.

3.- Efecto de la suplementación sobre el consumo, digestibilidad, parámetros ruminales, concentración de hormonas, metabolitos sericos y la productividad del ganado.

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