

# **Nutritional Management Of Race Horse**



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Considerations for feeding the race horse are:  
What nutrients are needed?  
How will they be supplied?



# Nutrients needed ?

Water

Energy or calories

Crude Protein – amino acids

Minerals

Vitamins





# Work intensity

Work intensity	Example
Maintenance	Lawn ornament
Light	Recreational riding
Moderate	School horses
Heavy	Ranch , Show horses
Intense	Race horses , endurance horses

NRC 2007



# Work Intensity

Work intensity	Hours per week	Example
Light	1 – 3	Recreational riding
Moderate	3 – 5	School horses
Heavy	4 – 5	Ranch , show horses
Intense	6 – 12	Race horses , endurance horses

NRC 2007

# Nutrient requirements for work

Higher

Lower

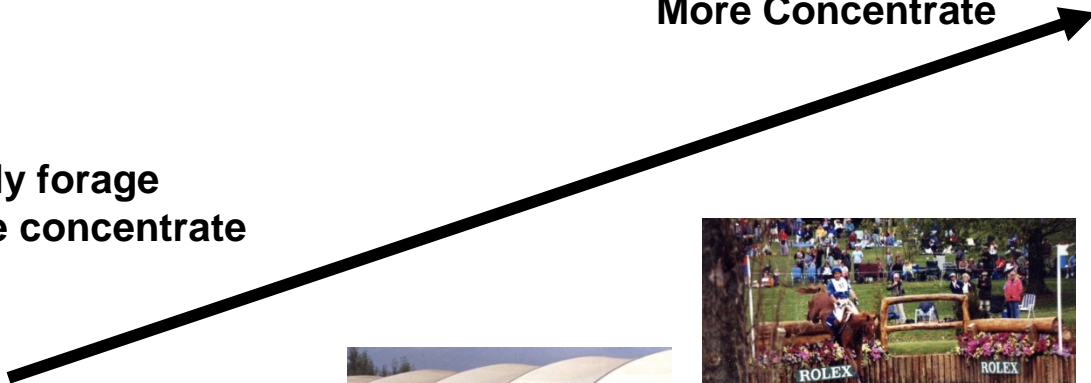




# Meeting Those Requirements

Good Forage  
More Concentrate

Mostly forage  
Some concentrate



# Nutrient Sources

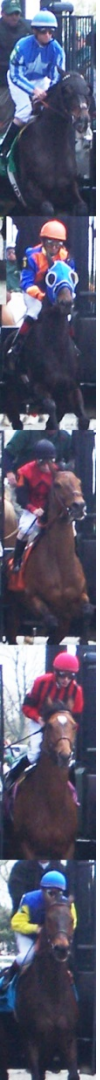


Forage – as hay  
Commercial Concentrates  
Additional Supplemental feeds:  
fats and oils?  
other supplements?



# For the Race Horse

**Quality hay**  
**free of mold and dust**  
**high nutrient value**  
**palatable**



# For the Race Horse

## Concentrate

**commercial feeds**

**form of the feed**

**formulated for the performance horse**

**cereal based**

**fortified**



# For the Race Horse

## Intakes

**forage first**

**added concentrate**

**feed intakes will be higher**



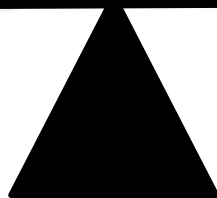


## Daily feed intakes for an 1100 lb. horse

Horse Type	Daily hay in lbs.	Daily Concentrate in lbs.	Total Intake % of Body weight
Light work	16	4	1.8
Heavy work	16	8.5	2.2
Intense work	16	14	2.7



# Nutrients and Horses



# Questions ?

