

2018 National FFA Horse Evaluation CDE
Weight Determination Practical Activity

Team _____

The table below describes the amount of forage and grain a horse should receive (% of body weight) dependent upon stage of life and level of activity. Therefore, it is important to have an accurate measurement of weight. Use the equation listed at the bottom of the page and the given horse measurements to determine weight of horses. Then, determine how much feed and grain each horse should be receiving. (Note: On average, a flake of hay will weigh 3lbs. A scoop of grain will weigh 2lbs.)

Expected Feed Consumption by Horses (% Body Weight)

	Forage	Concentrate	Total
Mature Horses			
Maintenance	1.5-2.0	0-0.5	1.5-2.0
Mares			
Late Gestation	1.0-1.5	0.5-1.0	1.5-2.0
Early Lactation	1.0-2.0	1.0-2.0	2.0-3.0
Late Lactation	1.0-2.0	0.5-1.5	2.0-2.5
Working Horses			
Light Work	1.0-2.0	0.5-1.0	1.5-2.5
Moderate Work	1.0-2.0	0.75-1.5	1.75-2.5
Intense Work	0.75-1.5	1.0-2.0	2.0-2.5
Young Horses			
Nursing Foal, 3 months	0	1.0-2.0	2.5-3.5
Weanling Foal, 6 months	0.5-1.0	1.5-3.0	2.0-3.5
Yearling Foal, 12 months	1.0-1.5	1.0-2.0	2.0-3.0
Long Yearling, 18 months	1.0-1.5	1.0-1.5	2.0-2.5
Two Year Old, (24 months)	1.0-1.5	1.0-1.5	2.0-2.5

$$W = \frac{HG^2 \times BL}{330}$$

W = weight in pounds

HG = heart girth in inches

BL = body length in inches

Horse 1- Heart girth measurement- 72 inches
Body length measurement- 64 inches
This horse is a mare that is in early lactation.

1. What is the weight of the horse?

Equation =

2. How much forage should the horse receive?

% BW =

Pounds =

3. How much grain should the horse receive?

% BW =

Pounds =

4. How many flakes of hay will the horse need to receive daily?

5. How many scoops of grain will the horse need to receive daily?

Horse 2- Heart girth measurement- 65 inches
Body length measurement- 60 inches
This horse is a long yearling, 18 months old.

6. What is the weight of the horse?

Equation =

7. How much forage should the horse receive?

% BW =

Pounds =

8. How much grain should the horse receive?

% BW =

Pounds =

9. How many flakes of hay will the horse need to receive daily?

10. How many scoops of grain will the horse need to receive daily?