

Lesson 1: Grasslands and the Nutritional
Needs of Livestock

Name _____

Calculating Dry Matter Intake

Objective: Calculate daily dry matter intake for a herd.

Directions: Calculate the daily dry matter intake of the beef herds in the three following herd situations.

1. Herd 1: 1 bull - 2, 200 lbs., out of breeding season
15 heifers - average weight of 650 lbs.
50 cows - average weight of 1,200 lbs., superior milk producers

2. Herd 2: 1 bull - 2,000 lbs., during breeding season
12 heifers - average weight of 750 lbs.
30 cows - average weight of 1,150 lbs., dry

3. Herd 3: 2 bulls – average weight of 2,100 lbs., out of breeding season
30 heifers – average weight of 700 lbs.
100 cows – average weight of 1,300 lbs., average milk producers