Oat Supply: Camp Pine Hill

December 1, 1900

You did a good job figuring out the amount of oats that the horses eat. I need to talk to the camp clerk, and make sure that he bought enough oats for the winter. He will know how many bushels of oats that we have in storage.

Don’t forget—there are 32 quarts of oats in one bushel. The clerk messed this up last year, so I’m counting on you to make sure that we have enough oats to feed the horses until camp breaks in the spring. Last year we finished up on March 31st, so make your calculations based on that date. Get back to me as soon as you can.

—Barn Boss

Oat calculations: Be sure to show your work and label your answers!

Total quarts of oats eaten by horses every day: 301 quarts

How many bushels of oats is this per day? Round your answer to the nearest tenth of a bushel. 9.4 bushels (rounded)

Total bushels of oats currently in camp: 500 bushels

How many days until camp ends? 121 days

How many days until we run out of oats? 53 days (rounded)

How many more bushels of oats do we need to order so we can feed the horses until March 31st? 639 bushels (rounded) or 637 bushels (rounded)

Variation in answer is due to rounding and choice of calculation method.