

2010 First Cutting Alfalfa Harvest on the LTER Main Site at the Kellogg Biological Station
 May 28, 2010 Alfalfa was cut/mowed. June 1, 2010, Alfalfa was lettered. June 4, 2010, rewindrowed
 June 4, 2010 Alfalfa was chopped and weighed.

Dry Matter: The value of dry matter came from the average of one samples for all six replications.
 82.0%

	Gross Wei Tare Weigi Net Weight (lbs.)	Total net w Tons/A	Metric Tons/ha	Tons/A av Metric tons/ha average	Dry Weigh Wet Weight (g)
Rep 1					
Load 1	26840	22220	4620		
Load 2	24760	22220	2540	1.18	2.64
Load 3			0		
% Dry Matter for rep 1			76.0%		
Rep 1 Total Weight (lbs.)		5441.97	1.21		2.70
Rep 1 Total Weight (lbs.)					1168.2
Rep 1 Total Weight (lbs.)					1537.0
Rep 2					
Load 1	26380	24760	1620		
Load 2	26580	22220	4360		
Load 3	23140	22220	920		
% Dry Matter for rep 2			80.0%		
Rep 2 Total Weight (lbs.)		5518.74	1.22		2.74
Rep 2 Total Weight (lbs.)					873.8
Rep 2 Total Weight (lbs.)					1092.5
Rep 3					
Load 1	26440	23140	3300		
Load 2	27280	23000	4280		
Load 3			0		
% Dry Matter for rep 3			81.6%		
Rep 3 Total Weight (lbs.)		6186.08	1.37		3.07
Rep 3 Total Weight (lbs.)					1032.7
Rep 3 Total Weight (lbs.)					1265.4
Rep 4					
Load 1	26080	22220	3860		
Load 2	25700	23000	2700		
Load 3			0		
% Dry Matter for rep 4			82.1%		
Rep 4 Total Weight (lbs.)		5383.47	1.19		2.67
Rep 4 Total Weight (lbs.)					912.4
Rep 4 Total Weight (lbs.)					1111.8
Rep 5					
Load 1	26160	22220	3940		
Load 2	24960	23000	1960		
Load 3			0		
% Dry Matter for rep 5			86.4%		
Rep 5 Total Weight (lbs.)		5097.68	1.13		2.53
Rep 5 Total Weight (lbs.)					927.0
Rep 5 Total Weight (lbs.)					1072.9
Rep 6					
Load 1	25400	22220	3180		
Load 2	24760	23000	1760		
Load 3			0		
% Dry Matter for rep 6			85.9%		
Rep 6 Total Weight (lbs.)		4243.22	0.94		2.11
Rep 6 Total Weight (lbs.)					881.8
Rep 6 Total Weight (lbs.)					1026.6

Tons/A = total pounds per plot / 2.2563 (each plot is 2.2563 acres (each plot is 87m x 105m = 0.9135 ha x 2.47 A/ha = 2.2563 A)) / 2000 (one ton is 2,000 lbs)

Metric Tons/ha = total pounds per plot / 0.9135 (each plot is 0.9135 ha (each plot is (87m x 105m) / 10,000 sq m/ha)) / 2,204.6 lbs (2,204.6 lbs in one metric ton)

Alfalfa
2010/06/04

white triaxle

TODD

tare 23006
R1 27280
R4 25700
R5 24960
R6 24760

6/4 - 6/9

	wet(g)	dry(g)
R1	1537.0	1168.2
2	1092.5	873.8
3	1265.4	1032.7
4	1111.8	912.4
5	1072.9	927.0
6	1026.6	881.8