

2012 First Cutting Alfalfa Harvest on the LTER Main Site at the Kellogg Biological Station

	Gross Wei	Tare Weigi	Net Weight (lbs.)	Total net w	Tons/A	Metric Tons/ha	Tons/A ave	Metric tons/ha	averaged across all six replications
Rep 1									
Load 1	31200	22680	8520				1.49	3.33	
Load 2	30120	22680	7440						
Load 3			0						
% Dry Matter for rep 1			42.7%						
Rep 1 Total Weight (lbs.)			15960	6814.92	1.51	3.38			
Rep 2									
Load 1	31100	22680	8220						
Load 2	31260	22680	8580						
Load 3			0						
% Dry Matter for rep 2			38.7%						
Rep 2 Total Weight (lbs.)			16800	6501.60	1.44	3.23			
Rep 3									
Load 1	32620	22680	9940						
Load 2	29160	22680	6480						
Load 3			0						
% Dry Matter for rep 3			36.7%						
Rep 3 Total Weight (lbs.)			16420	6026.14	1.34	2.99			
Rep 4									
Load 1	32700	22680	10020						
Load 2	29640	22680	6960						
Load 3			0						
% Dry Matter for rep 4			40.3%						
Rep 4 Total Weight (lbs.)			16980	6842.94	1.52	3.40			
Rep 5									
Load 1	31680	22680	9000						
Load 2	32040	22680	9360						
Load 3			0						
% Dry Matter for rep 5			38.2%						
Rep 5 Total Weight (lbs.)			18360	7013.52	1.55	3.48			
Rep 6									
Load 1	32640	22680	10160						
Load 2	30020	22680	7340						
Load 3			0						
% Dry Matter for rep 6			40.4%						
Rep 6 Total Weight (lbs.)			17500	7070.00	1.57	3.51			

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)

5-16-12

LTER 1ST Cut 2012

<u>Rep</u>	<u>Gross</u>	<u>Tare</u>	<u>Dry Matter</u>
6	32840	22680	40.4
	30020	22680	
5	31680	22680	38.2
	32040	22680	
3	32620	22680	36.7
	29160	22680	
4	32700	22680	40.3
	29640	22680	
2	31100	22880*	38.7
	31260	22680	
1	31200	22680	42.7
	30120	22680	

* Tare Wt correct. Wad of silage stuck in truck.