

KBS GLBRC Intensive Field Site (2012)



Biofuel Productivity Experiment

Switchgrass Variety Experiment

Miscanthus/Switchgrass EBI Experiment

Weed Control Experiment



Treatment Legend

- G1 Continuous corn
- G2 Continuous corn + cover crops
- G3 Corn Soybean + cover crops
- G4 Soybean Corn + cover crops
- G5 Switchgrass
- G6 Miscanthus
- G7 Native Grass mix
- G8 Poplar
- G9 Old field
- G10 Native prairie

Plot Legend

- ★ Trace gas flux chamber
- ☆ Low tension suction lysimeter
- Trace gas shed
- Line domain reflectometry (LDR) - Only Rep 1 - (2 of them per plot)
- ▲ Automated gas chamber
- Prime LDR - All Reps except Rep 5
- Unfertilized microplot (G10 fertilized)
- Stover non removal microplot

Switchgrass Nitrogen/Harvest Experiment

Reps 3+4 only - (Reps 1+2 are buried)

Rep 1 - (2 of them per plot)

Reps 3+4 only - (Reps 1+2 are buried)

Rep 1 - (2 of them per plot)

Prime LDR - All Reps except Rep 5

Unfertilized microplot (G10 fertilized)

Stover non removal microplot

GIBRC

11/26/12

11/10/12^{moist}11/20/12^{Dry}

Corn Stover

Total

	11/10/12 ^{moist}	11/20/12 ^{Dry}	Total
G1 R1	317.50 g	214.59 g	102.91 g ✓
G1 R2	376.82 g	261.28 g	115.54 g ✓
G1 R3	336.64 g	268.23 g	68.41 g ✓
G1 R4	379.23 g	273.88 g	105.35 g ✓
G1 R5	435.46 g	249.76 g	185.7 g ✓
G2 R1	689.06 g	355.78 g	333.28 g ✓
G2 R2	534.73 g	357.48 g	177.25 g ✓
G2 R3	390.70 g	286.12 g	104.58 g ✓
G2 R4	500.23 g	297.06 g	203.17 g ✓
G2 R5	469.17 g	303.95 g	165.22 g ✓
G3 R1	632.34 g	356.86 g	275.48 g ✓
G3 R2	301.06 g	185.00 g	116.06 g ✓
G3 R3	614.04 g	340.03 g	274.01 g ✓
G3 R4	575.50 g	301.19 g	274.31 g ✓
G3 R5	523.20 g	252.10 g	271.1 g ✓

Nov 9, 2012

Gruse wagon
Weight of Wagon = ~~675~~
~~655~~
6500

Order	Plot	Weight ^{lbs}	lbs Corn Stover	
1	G ₁ R ₂	7075	- 6500 = 575 lbs	
2	G ₂ R ₂	8000	- 7075 = 925	
3	G ₃ R ₂	8725	- 8000 = 725	
4	G ₂ R ₃	9515	- 8725 = 790	
5	G ₁ R ₃	9980	- 9515 = 465	
Nov 10, 2012 6	G ₃ R ₃	7690	- 6545 = 1,145	Weight of wagon 6545
7	G ₃ R ₅	8200	- 7690 = 510	11/10/12
8	G ₂ R ₅	8730	- 8200 = 530	
9	G ₁ R ₅	9440	- 8730 = 710	
10	G ₁ R ₄	7305	- 6545 = 760	weight of wagon 6545
11	G ₃ R ₄	7985	- 7305 = 680	
12	G ₂ R ₄	8490	- 7985 = 505	
13	G ₁ R ₁	9160	- 8490 = 670	
14	G ₃ R ₁	9840	- 9160 = 680	
15	G ₂ R ₁	7130	- 6535 = 595	Weight of wagon 6535

12 G2R4
8490 1b TOTAL of 04 SCALES

13 GIR1
9160 1b TOTAL of 04 SCALES

14 G3R4
9840 1b TOTAL of 04 SCALES

6515 1b TOTAL of 04 SCALES

Empty wagon
6525 1b TOTAL of 04 SCALES

15
7130 1b TOTAL of 04 SCALES

6 G3R3
7690 1b TOTAL of 04 SCALES

7 G3R5
8200 1b TOTAL of 04 SCALES

8 G2R5
8730 1b TC SCALES

9 GIR5
9440 1b TOTAL of 04 SCALES

6535 1b TOTAL of 04 SCALES

Empty wagon
6545 1b TOTAL of 04 SCALES

10 GIR4
7385 1b TOTAL of 04 SCALES

11 G3R4
7985 1b TOTAL of 04 SCALES

1 GIR2
~~7080 1b TOTAL of 04 SCALES~~
7075 1b TOTAL of 04 SCALES

2 G2R2
8000 1b TOTAL of 04 SCALES

3 G3R2
8725 1b TOTAL of 04 SCALES

4 G2R3
9515 1b TOTAL of 04 SCALES

5 GIR3
9980 1b TOTAL of 04 SCALES

Wagon
6530 1b TOTAL of 04 SCALES
Empty 11/9/12

Wagon Empty 11/10/12
6545 1b TOTAL of 04 SCALES