

Friday, October 22, 2010
 Corn Stover Harvest
 GLBRC G1 & G3

Plot ID	Bale Number	Moisture Readings (%)			Full Weight	Empty Weight	Weight Bales	Other observations
		1	2	3				
G3R1	1	30.7	23.4	20.9	8380	7460	920	% \bar{x} = 25.0
	2	14.4	33.7	26.3	8380	7460		
	3							
	4							
G3R2	1	33.3	26.8	34.4	8080	7460	620	% \bar{x} = 28.2
	2							
	3							
	4							
G3R3	1	25.4	23.6	28.4	8540	7460	1080	% \bar{x} = 24.4
	2	18.0	25.7	25.0				
	3							
	4							
G3R4	1	25.8	28.4	21.1	8080	7460	620	% \bar{x} = 24.4
	2							
	3							
	4							
G3R5	1	22.5	16.0	34.1	8280	7250	1030	% \bar{x} = 24.2
	2							
	3							
	4							

Tare truck 519 + blue trailer without passengers

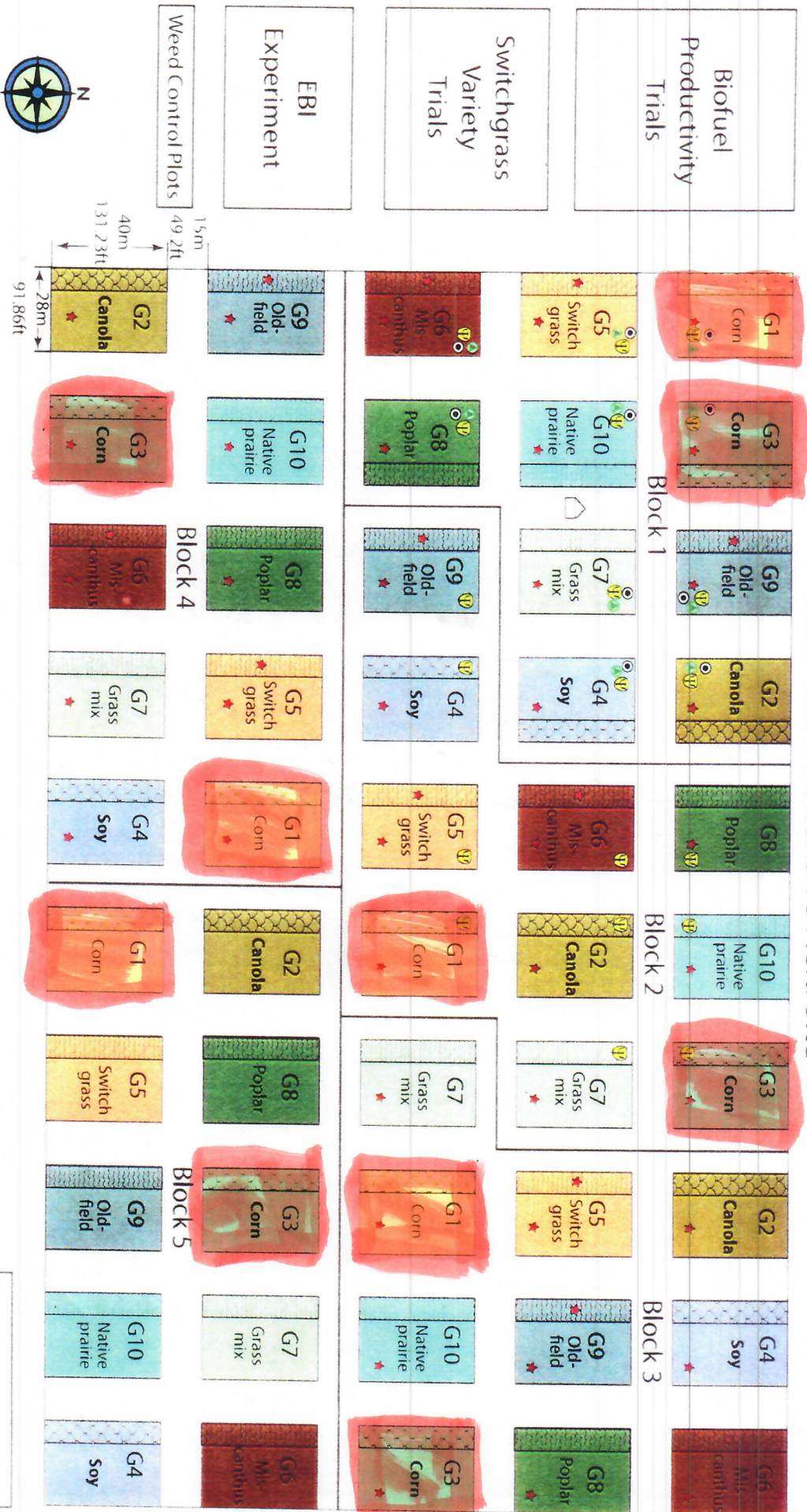
2010 GLBRC Main Site Treatments G1 and G3 Corn Stover Biomass Harvest on October 22, 2010 at the Kellogg Biological Station.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
October 22, 2010 Treatment G1 R1	0.226	8440	7460	980	24.0%	35.2%	22.4%	27.2%	0.55	1.23	71.49%	
October 22, 2010 Treatment G1 R2	0.226	8280	7520	760	27.0%	26.9%	23.7%	25.9%	0.77	1.72	57.55%	
October 22, 2010 Treatment G1 R3	0.226	8200	7460	740	19.4%	16.9%	23.0%	19.8%	0.54	1.21	67.46%	
October 22, 2010 Treatment G1 R4	0.226	8240	7520	720	20.2%	29.9%	45.0%	31.7%	0.41	0.92	75.08%	
October 22, 2010 Treatment G1 R5	0.226	8180	7460	720	24.7%	35.2%	26.1%	28.7%	0.58	1.31	61.43%	
Treatment G1	1.1	--	--	3920.0	--	--	--	26.6%	2.9	6.4	3.3	
October 22, 2010 Treatment G3 R1	0.226	8380	7460	920	22.8%	28.6%	23.6%	25.0%	0.30	0.67	74.06%	
October 22, 2010 Treatment G3 R2	0.226	8080	7460	620	33.3%	26.8%	34.4%	31.5%	0.24	0.53	79.30%	
October 22, 2010 Treatment G3 R3	0.226	8540	7460	1080	22.0%	24.7%	26.7%	24.4%	0.31	0.69	68.14%	
October 22, 2010 Treatment G3 R4	0.226	8080	7460	620	23.8%	28.4%	21.1%	24.4%	0.46	1.03	69.93%	
October 22, 2010 Treatment G3 R5	0.226	8280	7250	1030	22.5%	16.0%	34.1%	24.2%	0.54	1.21	66.00%	
Treatment G3	1.1	--	--	4270.0	--	--	--	25.5%	1.8	4.1	3.6	

Column Labels for the spreadsheet holding the yield data from the 2010 GLBRC Main Site Treatments G1 and G3 Corn Stover Biomass Harvest on October 22, 2010 at i

- Column 1 Date, Month, day and year that harvest took place. If no date is noted, the data are summary data of the actually collected data from the harvest.
- Column 2 Plot identification number. G_ refers to the treatment; R_ refers to the replication number.
- Column 3 Area of plot harvested given in acres (A). Determined by multiplying (harvested width of plot 75 feet X length of plot 131.23) / (43,560 square feet per acre).
- Column 4 Gross weight collected from plots in pounds (lbs).
- Column 5 Tare weight of vehicle used in harvest in pounds (lbs).
- Column 6 Net pounds (lbs) of corn stover biomass harvested.
- Column 7 Moisture reading sample #1 taken from baled corn stover, using a Farmex® DHT-1 Digital Hay Tester with 32" Probe.
- Column 8 Moisture reading sample #2 taken from baled corn stover, using a Farmex® DHT-1 Digital Hay Tester with 32" Probe.
- Column 9 Moisture reading sample #3 taken from baled corn stover, using a Farmex® DHT-1 Digital Hay Tester with 32" Probe.
- Column 10 Average moisture reading of the three sample readings found in columns 6 - 8.
- Column 11 Residual (non-machinery harvestable) dry weight based on tons per acre (t/A): Calculations not shown on this sheet.
- Column 12 Residual (non-machinery harvestable) dry weight based on metric tonnes per hectare (Mg/ha): Calculations not shown on this sheet.
- Column 13 % Residual Recovery: Calculated by dividing machine recovered biomass from column 14 by total biomass in field at time of machine harvest (sum of column 6) and subtracting
- Column 14 Dry matter in pounds (lbs) of corn stover harvested: Determined by taking the total pounds of corn stover biomass (from column 6) and subtracting

2010 GLBRC Intensive Field Site



Treatment Details

- G1 Continuous corn
- G2 Corn-Soybean-Canola
- G3 Soybean-Canola-Corn
- G4 Canola-Corn-Soybean
- G5 Switchgrass
- Stover non-removal microplot
- Unfertilized microplot (G10-fertilized)
- G6 Miscanthus
- G7 Grass mix
- G8 Poplar
- G9 Old field
- G10 Native prairie
- Trace gas flux chambers
- Low tension suction lysimeters
- Trace gas shed
- Time domain reflectometry
- Automated gas chambers

Switchgrass
Agronomy
Trials

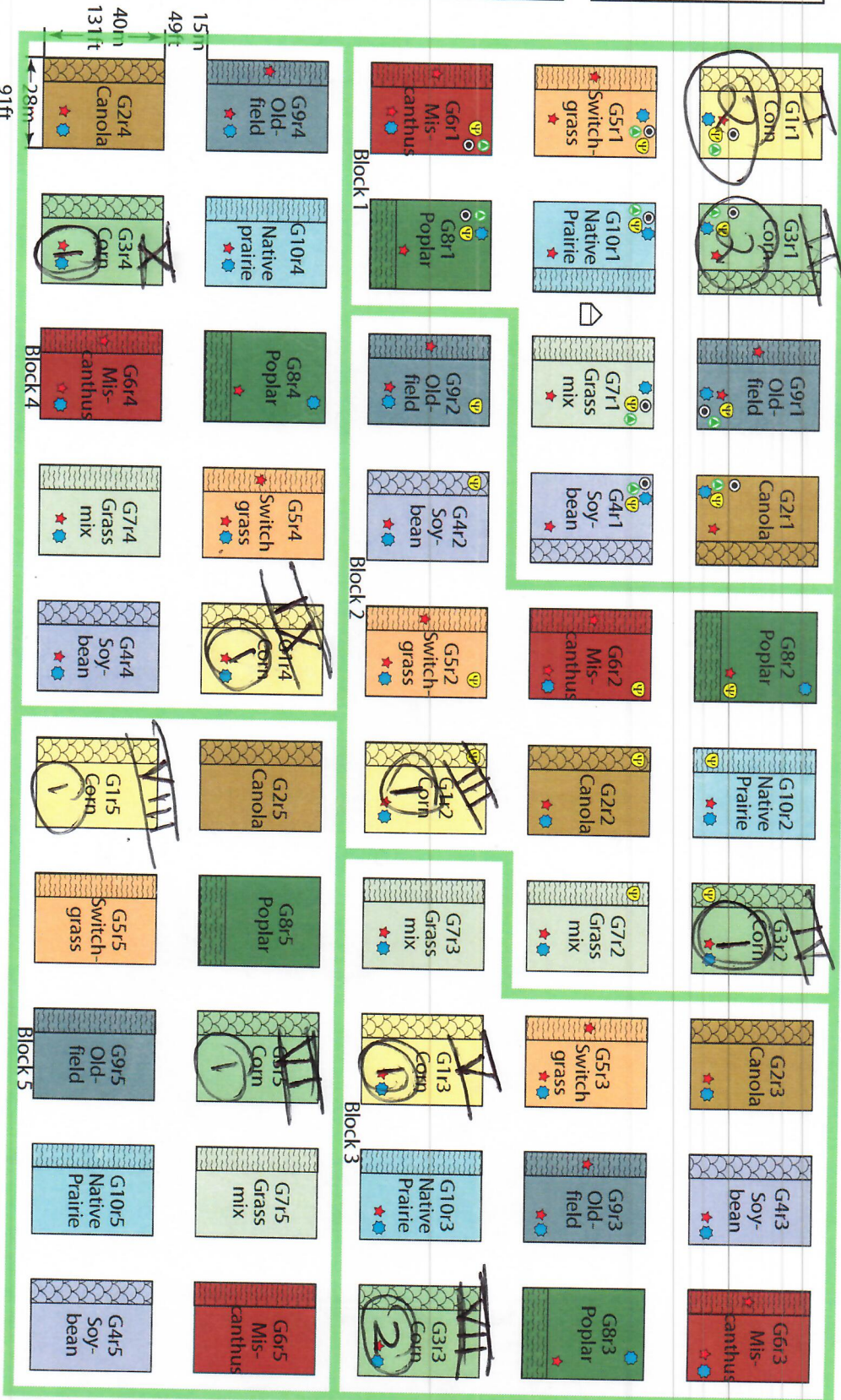
BAWLES
 10/22/2010
 KBS GLBRC Intensive Field Site (2010)

Biofuel Productivity Experiment

Switchgrass Variety Experiment

Miscanthus/Switchgrass EBI Experiment

Weed Control Experiment



- Treatment Legend**
- G1 Continuous corn
 - G2 Corn-Soybean-Canola
 - G3 Soybean-Canola-Corn
 - G4 Canola-Corn-Soybean
 - 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
 - Time domain reflectometry (TDR)
 - Automated gas chamber
 - Trime TDR
 - Unfertilized microplot (G10-fertilized)
 - Stover non removal microplot

Switchgrass Nitrogen/Harvest Experiment

BAWLES ORDER
SNX