

G5: Perennial Grass – Monoculture Switchgrass	
Site	KBS
Planting	Cave-in-rock was planted in 2008 and overseeded in June of 2009 because of poor stand establishment of switchgrass in 2008.
Cover Crop	N/A
Tillage	None
Harvest	Same as G6, G7, G9, and G10
Fertilization	Harvest so that 6 inches of stubble remain for wildlife cover. Harvest in fall after hard frost / senescence. Nitrogen will be applied at 50 lb N acre ⁻¹ (56 kg N ha ⁻¹)
Pest Cntrl	No P or K in 2010 PRE application of Roundup at 22 oz/A applied before switchgrass begins to grow. If needed: PRE or POST application of Drive or Paramount (quinclorac) 0.5 lb/A + atrazine 0.5 lb/A. No-Nitrogen fertilizer strip. No N fertilizer applied to west 15 feet of plot (except east 15' for block 1 of KBS to avoid gas chambers).
Microplots	Arlington Cave-in-rock was planted in 2008 and rep 5 was over-seeded in June of 2009 because of incomplete planting in 2008. N/A None Same as G6, G7, G9, and G10 Harvest so that 6 inches of stubble remain for wildlife cover. Harvest in fall after hard frost / senescence. Nitrogen will be applied as ammonium nitrate (34-0-0) at 50 lb N acre ⁻¹ (56 kg N ha ⁻¹) No P or K in 2010 PRE application of Roundup at 22 oz/A applied before switchgrass begins to grow. Broadleaf herbicides if necessary as a post emergence application No-Nitrogen fertilizer strip. No N fertilizer applied to west 15 feet of plot. Compare yield to opposite plot edge.

Map File:G5R5W '10
Date:11/9/10
Time: 3:30:07 PM

Range Row Unfertilized

1 1
16.34 0.00 0.00

Map File:G5R5E '10
Date:11/9/10
Time: 4:00:10 PM

Range Row Fertilized

1 1
27.63 0.00 0.00

Map File:G5R4W '10
Date:11/9/10
Time: 4:04:34 PM

Range Row Unfertilized

1 1
39.40 0.00 0.00

Map File:G5R4E '10
Date:11/9/10
Time: 4:11:39 PM

Range Row Fertilized

1 1
30.52 0.00 0.00

Map File:G5R3W '10
Date:11/9/10
Time: 4:15:12 PM

Range Row Unfertilized

1 1
65.11 0.00 0.00

Map File:G5R3E '10
Date:11/9/10
Time: 4:19:41 PM

Range Row Fertilized

1 1
63.11 0.00 0.00

Map File:G5R2W '10
Date:11/9/10
Time: 4:22:54 PM

Range Row Unfertilized

1 1
60.84 0.00 0.00

Map File:G5R2E '10
Date:11/9/10
Time: 4:27:30 PM

Range Row Fertilized

1 1
58.30 0.00 0.00

Map File:G5R1W '10
Date:11/9/10
Time: 4:30:53 PM

Range Row Unfertilized

1 1
66.02 0.00 0.00

Map File:G5R1E '10
Date:11/9/10
Time: 4:44:50 PM

Range Row Fertilized

1 1
38.40 0.00 0.00