

	Trt G5 (GLBFR)	Trt G7 (GLBFR)	Trt G10 (GLBFR)	Trt 4&5 (LTER)	Trt 6&7 (LTER)	Trt 8 (LTER)	Trt 9 (LTER)	Trt 10 (LTER)	Trt 11 (LTER)	Trt 12 (LTER)	TOTAL (LTER)	TOTAL (GLBFR)	TOTAL (Wisc.)	TOTAL	Volume Markup %
			N=18			N=3	N=6	N=10	N=18	N=30					10.00
<i>Panicum virgatum</i> C4 (Southlow)		22.7	11.4		56	16	5	2	2	2	83	34.1	34.1	151.2	166.32
<i>Panicum virgatum</i> C4 (Cave-in-rock)	201.6			56							56	201.6	201.6	459.2	505.12
<i>Andropogon gerardii</i> C4		34.1	17				4	4	3	2	13	51.1	51.1	115.2	126.72
<i>Schizachyrium scoparium</i> C4		45.4	17				7	5	3	3	18	62.4	62.4	142.8	157.08
<i>Sorghastrum nutans</i> C4		34.1	17				3.8	4	3	2	12.8	51.1	51.1	115	126.50
<i>Elymus canadensis</i> C3		22.7	17			12	5.6	4	3	2	26.6	39.7	39.7	106	116.60
<i>Koeleria cristata</i> C3			11.4				2	2	2	1.5	7.5	11.4	11.4	30.3	33.33
<i>Trifolium pretense</i> (non-native)			x			x		x	x	x	0	0	0	0	0.00
<i>Desmodium canadense</i>			5					1.3	0.9	0.5	2.7	5	5	12.7	13.97
<i>Lespedeza capitata</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Baptisia leucantha</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Amorpha canescens</i>										0.5	0.5	0	0	0.5	0.55
<i>Desmodium illinoense</i>										0.5	0.5	0	0	0.5	0.55
<i>Dalea (Petalostemum) purpureum</i>										0.5	0.5	0	0	0.5	0.55
<i>Rudbeckia hirta</i>			5					1.3	0.9	0.8	3	5	5	13	14.30
<i>Aneomone canadensis</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Asclepias tuberosa</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Euphorbia corollata</i>										0.5	0.5	0	0	0.5	0.55
<i>Tradescantia ohioensis</i>										0.5	0.5	0	0	0.5	0.55
<i>Zizia aurea</i>										0.5	0.5	0	0	0.5	0.55
<i>Monarda fistulosa</i>			5					1.3	0.9	0.5	2.7	5	5	12.7	13.97
<i>Silphium perfoliatum</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Ratibida pinnata</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Coreopsis tripteris</i>										0.5	0.5	0	0	0.5	0.55
<i>Asclepias syriaca</i>										0.5	0.5	0	0	0.5	0.55
<i>Oenothera biennis</i>										0.5	0.5	0	0	0.5	0.55
<i>Solidago rigida</i>			5					1.3	0.9	0.5	2.7	5	5	12.7	13.97
<i>Solidago speciosa</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Aster novae-angliae</i>			5						0.9	0.5	1.4	5	5	11.4	12.54
<i>Aster pilosus</i>										0.5	0.5	0	0	0.5	0.55
<i>Solidago nemoralis</i>										0.5	0.5	0	0	0.5	0.55
<i>Aster laevis</i>										0.5	0.5	0	0	0.5	0.55
Ounces	201.6	159	150.8	56	56	28	27.4	26.2	26.8	24.8	245.2	511.4	511.4	1268	1404.80
Pounds	12.6	9.9375	9.425	3.5	3.5	1.75	1.7125	1.6375	1.675	1.55	15.325	31.9625	31.9625	79.25	87.8
Volume Mark-up	13.86	10.93	10.37	3.85	3.85	1.93	1.88	1.80	1.84	1.71	16.86	35.16	35.16	87.18	96.58
	105%	115%	115%	140%	140%	160%	160%	160%	160%	160%					
	25.83	21.365625	20.26375	8.4	8.4	4.55	4.4525	4.2575	4.355	4.03	15.325	31.9625	31.9625	79.25	87.8

KBS Biofuel-Biomass Plots Seed Order Info (GLBFR LTER)

	Trt 8 (LTER)	Trt 10 (LTER)	Trt 12 (LTER)	
	N=3	N=10	N=30	
<i>Panicum virgatum</i> C4 (Southlow)	25.6	3.2	3.2	
<i>Panicum virgatum</i> C4 (Cave-in-rock)				
<i>Andropogon gerardii</i> C4		6.4	3.2	
<i>Schizachyrium scoparium</i> C4		8	4.8	
<i>Sorghastrum nutans</i> C4		4	3.2	
<i>Elymus canadensis</i> C3	19.2	6.4	3.2	
<i>Koeleria cristata</i> C3		3.2	2.4	
<i>Trifolium pretense</i> (non-native)	x	x	x	
<i>Desmodium canadense</i>		2.08	0.8	
<i>Lespedeza capitata</i>			0.8	
<i>Baptisia leucantha</i>			0.8	
<i>Amorpha canescens</i>			0.8	
<i>Desmodium illinoense</i>			0.8	
<i>Dalea (Petalostemum) purpureum</i>			0.8	
<i>Rudbeckia hirta</i>		2.08	1.28	
<i>Aneomone cylindrica</i>			0.8	
<i>Asclepias tuberosa</i>			0.8	
<i>Euphorbia corollata</i>			0.8	
<i>Tradescantia ohioensis</i>			0.8	
<i>Zizia aurea</i>			0.8	
<i>Monarda fistulosa</i>		2.08	0.8	
<i>Silphium perfoliatum</i>			0.8	
<i>Ratibida pinnata</i>			0.8	
<i>Coreopsis tripteris</i>			0.8	
<i>Asclepias syriaca</i>			0.8	
<i>Oenothera biennis</i>			0.8	
<i>Solidago rigida</i>		2.08	0.8	
<i>Solidago speciosa</i>			0.8	
<i>Aster novae-angliae</i>			0.8	
<i>Aster pilosus</i>			0.8	
<i>Solidago nemoralis</i>			0.8	
<i>Aster laevis</i>			0.8	
Ounces	44.8	39.52	39.68	
Pounds	2.8	2.47	2.48	
Volume Mark-up	2.80	2.47	2.48	
Increase % for ordering	160%	160%	160%	
	7.28	6.422	6.448	

KBS Biofuel-Biomass Plots Seed Order Info (GLBFR LTER)

	Trt G5 (GLBRC)	Trt G7 (GLBRC)	Trt G10 (GLBRC)	Trt 4&5 (LTER)	Trt 6&7 (LTER)	Trt 8 (LTER)	Trt 9 (LTER)	Trt 10 (LTER)	Trt 11 (LTER)	Trt 12 (LTER)	TOTAL (LTER)	TOTAL (GLBFR)	TOTAL (Wisc.)	TOTAL	Volume Markup %
			N=18			N=3	N=6	N=10	N=18	N=30					0.00
<i>Panicum virgatum</i> C4 (Southlow)		26.105	13.11		78.4	25.6	8	3.2	3.2	3.2	121.6	39.215	39.215	200.03	200.03
<i>Panicum virgatum</i> C4 (Cave-in-rock)	211.68			78.4							78.4	211.68	211.68	501.76	501.76
<i>Andropogon gerardii</i> C4		39.215	19.55				6.4	6.4	4.8	3.2	20.8	58.765	58.765	138.33	138.33
<i>Schizachyrium scoparium</i> C4		52.21	19.55				11.2	8	4.8	4.8	28.8	71.76	71.76	172.32	172.32
<i>Sorghastrum nutans</i> C4		39.215	19.55				6.08	4	4.8	3.2	18.08	58.765	58.765	135.61	135.61
<i>Elymus canadensis</i> C3		26.105	19.55			19.2	8.96	6.4	4.8	3.2	42.56	45.655	45.655	133.87	133.87
<i>Koeleria cristata</i> C3			13.11				3.2	3.2	3.2	2.4	12	13.11	13.11	38.22	38.22
<i>Trifolium pretense</i> (non-native)			x			x		x	x	x	0	0	0	0	0.00
<i>Desmodium canadense</i>			5.75					2.08	1.44	0.8	4.32	5.75	5.75	15.82	15.82
<i>Lespedeza capitata</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Baptisia leucantha</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Amorpha canescens</i>										0.8	0.8	0	0	0.8	0.80
<i>Desmodium illinoense</i>										0.8	0.8	0	0	0.8	0.80
<i>Dalea (PetaloSTEMUM) purpureum</i>										0.8	0.8	0	0	0.8	0.80
<i>Rudbeckia hirta</i>			5.75					2.08	1.44	1.28	4.8	5.75	5.75	16.3	16.30
<i>Anemone cylindrica</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Asclepias tuberosa</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Euphorbia corollata</i>										0.8	0.8	0	0	0.8	0.80
<i>Tradescantia ohioensis</i>										0.8	0.8	0	0	0.8	0.80
<i>Zizia aurea</i>										0.8	0.8	0	0	0.8	0.80
<i>Monarda fistulosa</i>			5.75					2.08	1.44	0.8	4.32	5.75	5.75	15.82	15.82
<i>Silphium perfoliatum</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Ratibida pinnata</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Coreopsis tripteris</i>										0.8	0.8	0	0	0.8	0.80
<i>Asclepias syriaca</i>										0.8	0.8	0	0	0.8	0.80
<i>Oenothera biennis</i>										0.8	0.8	0	0	0.8	0.80
<i>Solidago rigida</i>			5.75					2.08	1.44	0.8	4.32	5.75	5.75	15.82	15.82
<i>Solidago speciosa</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Aster novae-angliae</i>			5.75						1.44	0.8	2.24	5.75	5.75	13.74	13.74
<i>Aster pilosus</i>										0.8	0.8	0	0	0.8	0.80
<i>Solidago nemoralis</i>										0.8	0.8	0	0	0.8	0.80
<i>Aster laevis</i>										0.8	0.8	0	0	0.8	0.80
PLS Ounces	211.68	182.85	173.42	78.4	78.4	44.8	43.84	39.52	42.88	39.68	367.52	567.95	567.95	1503.42	1503.42
Bulk Ounces	212.55	274.85	246.6	78.73	91.15	50.9	61.55	55.98	60.94	55.8					
PLS %	99.59%	66.53%	70.32%	99.58%	86.01%	88.02%	71.23%	70.60%	70.36%	71.11%					
% Mark-up	105%	115%	115%	140%	140%	160%	160%	160%	160%	160%					
Ozs/Acre	112.00	108.80	105.60	112.00	112.00	112.00	108.80	104.00	105.60	99.20					
Acreage	0.28	0.28	0.28	0.06	0.06	0.06	0.06	0.06	0.06	0.06					
Ozs/bag (PLS)	31.696	30.7904	29.8848	6.944	6.944	6.944	6.7456	6.448	6.5472	6.1504					
Ozs/bag (Bulk)	31.82627	46.282425	42.495627	6.9732286	8.0732857	7.8895	9.4706131	9.1335789	9.3047194	8.649					
Bulk Ozs/bag + 10% (Bulk)	35.008897	50.910668	46.74519	7.6705514	8.8806143	8.67845	10.417674	10.046937	10.235191	9.5139					
Number of bags needed	5.00	5.00	5.00	8.00	8.00	4.00	4.00	4.00	4.00	4.00					

