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Tall Mesic Prairie for Clay Soils

Native species per mix	37
Native seeds per square foot	89
Native FQI NE Illinois	34.69
Native FQI Illinois	31.07
Native Mean C Value NE Illinois	5.70
Native Mean C Value Illinois	5.11
Mean W Value NE Illinois	2.08
Mean W Value Illinois	1.78

A mix of grasses, grass-like plants, and forbs for an aggressive tall grass planting for your worst clay soils. Best dormant seeded.

Graminoids, or grasses, sedges, rushes, and other grasslike plants.

ACRONYMS													bloom time																																							
S&W	ILL	USDA	vPlants	scientific name	common name	family	type	S&W	S&W wet	S&W wet	Illinois	IL wet	IL wet	height	color	M	A	M	J	J	A	S	O	N	seeds/oz	seeds/lb	lb/ac	seeds/acre	seeds/ftsq	% by weight	% by count																					
ANDGER	ANDGER	ANGE	ANGE	<i>Andropogon gerardii</i>	Big Bluestem	Graminae	Nt P-Grass	5	1	FAC-	5	1	FAC-	4.0-8.0+ (6.0)	na										9,375	150,000	0.750	112,500	2.58	6.01%	2.90%																					
CXBICK	CXBICK	CAB3	CAB3	<i>Carex bicknellii</i>	Bicknell's Oval Sedge	Cyperaceae	Nt P-Sedge	10	5	[UPL]	8	1	FAC-	2.0-3.0 (2.5)	na										27,813	445,000	0.125	55,625	1.28	1.00%	1.43%																					
ELYCAN	ELECAN	ELCA4	ELCA4	<i>Elymus canadensis</i>	Canada Wild Rye	Graminae	Nt P-Grass	4	1	FAC-	4	1	FAC-	2.0-4.0 (3.0)	na										7,500	120,000	1.000	120,000	2.75	8.02%	3.09%																					
ELYVIR	ELYVIR	ELV3	ELV3	<i>Elymus virginicus</i>	Virginia Wild Rye	Graminae	Nt P-Grass	4	-2	FACW-	4	-2	FACW-	1.5-3.0 (2.3)	na										5,750	92,000	1.000	92,000	2.11	8.02%	2.37%																					
PANVIR	PANVIR	PAV12	PAV12	<i>Panicum virgatum</i>	Prairie Switch Grass	Graminae	Nt P-Grass	5	-1	FAC+	4	-1	FAC+	2.5-6.0 (3.0)	na										19,813	317,000	0.063	19,971	0.46	0.51%	0.51%																					
ANDSCO	SCHSCO	SCSCS	SCSCS	<i>Schizachyrium scoparium</i> { <i>Andropogon s</i> }	Little Bluestem	Graminae	Nt P-Grass	5	4	FACU-	5	4	FACU-	1.5-3.5 (2.0)	na										15,625	250,000	4.000	1,000,000	22.96	32.07%	25.78%																					
SORNUT	SORNUT	SONU2	SONU2	<i>Sorghastrum nutans</i>	Indian Grass	Graminae	Nt P-Grass	5	2	FACU+	4	2	FACU+	4.0-6.0 (5.0)	na										12,188	195,000	1.000	195,000	4.48	8.02%	5.03%																					
SPAPEC	SPAPEC	SPPE	SPPE	<i>Spartina pectinata</i>	Prairie Cord Grass	Graminae	Nt P-Grass	4	-4	FACW+	4	-4	FACW+	3.0-6.0 (4.5)	na										10,875	174,000	0.125	21,750	0.50	1.00%	0.56%																					
																									Graminoid totals																							8.063	1,616,846	37	64.65%	41.69%

Forbs

ACRONYMS													bloom time																																									
S&W	ILL	USDA	vPlants	scientific name	common name	family	type	S&W	S&W wet	S&W wet	Illinois	IL wet	IL wet	height	color	M	A	M	J	J	A	S	O	N	seeds/oz	seeds/lb	lb/ac	seeds/acre	seeds/ftsq	% by weight	% by count																							
ASCUL	ASCUL	ASSU3	ASSU3	<i>Asclepias sullivantii</i>	Prairie Milkweed	Asclepiadaceae	Nt P-Forb	8	5	UPL	7	5	UPL	2.0-3.0 (2.5)	pink											5,000	80,000	0.063	5,040	0.12	0.51%	0.13%																						
ASCYR	ASCYR	ASSY	ASSY	<i>Asclepias syriaca</i>	Common Milkweed	Asclepiadaceae	Nt P-Forb	0	5	UPL	0	5	UPL	3.0-5.0 (4.0)	pink											5,000	80,000	0.031	2,480	0.06	0.25%	0.06%																						
ASTCAN	ASTCAN	ASCA11	ASCA11	<i>Astragalus canadensis</i>	Canada Milkvetch	Leguminosae	Nt P-Forb	10	5	[UPL]	7	-1	FACU-	3.0-5.5 (4.5)	cream											17,500	280,000	0.063	17,640	0.40	0.51%	0.45%																						
BAPLEA	BAPLAC	BAALM	BAALM	<i>Baptisia lactea</i> * <i>B. alba macrophylla</i> *	White Indigo	Leguminosae	Nt P-Forb	8	2	FACU+	6	3	FACU+	2.0-4.5 (3.3)	white											1,875	30,000	0.063	1,890	0.04	0.51%	0.05%																						
CORTRI	CORTRP	COTR4	COTR4	<i>Carex tripteris</i>	Tall Coreopsis	Compositae	Nt P-Forb	5	0	FAC	4	0	FAC	4.0-7.0 (6.0)	yellow											15,750	252,000	0.063	15,876	0.36	0.51%	0.41%																						
PETPUR	DESPUR	DAPU7	DAPU7	<i>Dalea purpurea</i> { <i>Petalostemum p</i> }	Purple Prairie Clover	Leguminosae	Nt P-Forb	9	5	UPL	8	5	UPL	1.5-2.5 (2.0)	purple											18,750	300,000	0.125	37,500	0.86	1.00%	0.97%																						
DESCAA	DESCAD	DECA7	DECA7	<i>Desmodium canadense</i>	Showy Ticktrefoil	Leguminosae	Nt P-Forb	4	1	FAC-	5	1	FAC-	3.0-5.5 (4.0)	pink											6,875	110,000	0.031	3,410	0.08	0.25%	0.09%																						
ECHPAL	ECHPAL	ECPA	ECPA	<i>Echinacea pallida</i>	Pale Purple Coneflower	Compositae	Nt P-Forb	8	5	UPL	7	5	UPL	2.0-3.0 (2.5)	pink											6,250	100,000	0.250	25,000	0.57	2.00%	0.64%																						
ECHPUR	ECHPUR	ECPU	ECPU	<i>Echinacea purpurea</i>	Purple Coneflower	Compositae	Nt P-Forb	3	3	UPL	6	5	UPL	2.0-4.0 (2.5)	purple											7,188	115,000	1.000	115,000	2.64	8.02%	2.97%																						
ERYYUC	ERYYUC	ERYU	ERYU	<i>Eryngium yuccifolium</i>	Rattlesnake Master	Umbelliferae	Nt P-Forb	9	-1	FAC+	7	-1	FAC+	2.0-5.0 (4.0)	white											8,875	142,000	0.250	35,500	0.81	2.00%	0.92%																						
HELHEL	HELHEL	HEHE5	HEHE5	<i>Heliotropis helianthoides</i>	Early Sunflower	Compositae	Nt P-Forb	5	5	UPL	4	5	UPL	2.5-4.5 (3.0)	yellow											6,875	110,000	0.125	13,750	0.32	1.00%	0.35%																						
LESCAP	LESCAP	LECA8	LECA8	<i>Lespedeza capitata</i>	Roundhead Bushclover	Leguminosae	Nt P-Forb	4	3	FACU	4	3	FACU	2.0-3.0 (2.5)	green white											10,938	175,000	0.063	11,025	0.25	0.51%	0.28%																						
LIASPI	LIASPI	LISP	LISP	<i>Liatris spicata</i>	Spike Blazingstar	Compositae	Nt P-Forb	6	0	FAC	7	0	FAC	1.0-4.0 (2.0)	lavender											10,188	163,000	0.031	5,053	0.12	0.25%	0.13%																						
MONFIS	MONFIS	MOFI	MOFI	<i>Monarda fistulosa</i>	Bergamont	Labiatae	Nt P-Forb	4	3	FACU	4	3	FACU	2.0-4.0 (3.0)	pink											68,750	1,100,000	0.094	103,400	2.37	0.75%	2.67%																						
SOLRIG	SOLRIG	SORI2	SORI2	<i>Oligoneuron rigidum</i> { <i>Solidago r</i> }	Stiff Goldenrod	Compositae	Nt P-Forb	4	4	FACU-	4	4	FACU-	3.0-6.0 (3.5)	yellow											40,625	650,000	0.250	162,500	3.73	2.00%	4.19%																						
PARINT	PARINT	PAI3	PAI3	<i>Parthenium integrifolium</i>	Wild Quinine	Compositae	Nt P-Forb	8	5	UPL	8	5	UPL	2.0-4.0 (3.0)	white											12,500	200,000	0.094	18,800	0.43	0.75%	0.48%																						
PENDIG	PENDIG	PEDI	PEDI	<i>Penstemon digitalis</i>	Foxglove Beardtongue	Scrophulariaceae	Nt P-Forb	4	1	FAC-	4	1	FAC-	1.0-2.5 (1.7)	white											112,500	1,800,000	0.125	225,000	5.17	1.00%	5.80%																						
RATPIN	RATPIN	RAPI	RAPI	<i>Ratibida pinnata</i>	Yellow Coneflower	Compositae	Nt P-Forb	4	5	UPL	4	5	UPL	3.0-5.0 (4.0)	yellow											31,875	510,000	0.250	127,500	2.93	2.00%	3.29%																						
RUDHIR	RUDHIR	RUI2	RUI2	<i>Rudbeckia hirta</i>	Blackeyed Susan	Compositae	Nt P-Forb	1	3	FACU	2	3	FACU	1.0-2.0 (1.5)	yellow											93,750	1,500,000	0.500	750,000	17.22	4.01%	19.34%																						
RUDSUB	RUDSUB	RUSU	RUSU	<i>Rudbeckia subtomentosa</i>	Sweet Coneflower	Compositae	Nt P-Forb	9	2	FACU+	5	-3	FACW	2.0-4.0 (3.0)	yellow											46,250	740,000	0.188	139,120	3.19	1.51%	3.59%																						
CASHEB	CASHEB	SEHE3	SEHE3	<i>Senna hebecarpa</i> { <i>Cassia h</i> }	Wild Senna	Leguminosae	Nt P-Forb	9	-3	FACW	9	-3	FACW	2.0-3.0 (2.5)	yellow											1,563	25,000	0.125	3,125	0.07	1.00%	0.08%																						
CASMAR	CASMAR	SEMA11	SEMA11	<i>Senna marilandica</i> { <i>Cassia m</i> }	Maryland Senna	Leguminosae	Nt P-Forb	9	-3	FACW	4	-3	FACW	3.0-4.0 (3.5)	yellow											1,700	27,200	0.015	408	0.01	0.12%	0.01%																						
SILLAC	SILLAC	SILA3	SILA3	<i>Silphium laciniatum</i>	Rosinweed	Compositae	Nt P-Forb	5	5	UPL	5	5	UPL	3.0-6.0 (4.5)	yellow											1,875	30,000	0.063	1,890	0.04	0.51%	0.05%																						
SILLAC	SILLAC	SILA3	SILA3	<i>Silphium laciniatum</i>	Compass Plant	Compositae	Nt P-Forb	5	5	UPL	5	4	FACU-	4.0-8.0 (6.0)	yellow											781	12,500	0.125	1,563	0.04	1.00%	0.04%																						
SILTER	SILTER	SITE	SITE	<i>Silphium terebinthinaceum</i>	Prairie Dock	Compositae	Nt P-Forb	5	3	FACU	4	5	UPL	5.0-10.0 (7.0)	yellow											1,563	25,000	0.031	775	0.02	0.25%	0.02%																						
ASTERI	ASTERI	SYER	ASER3	<i>Symphyotrichum ericoides</i> { <i>Aster e</i> }	Heath Aster	Compositae	Nt P-Forb	5	4	FACU-	4	4	FACU-	1.0-2.5 (2.0)	white											262,500	4,200,000	0.016	67,200	1.54	0.13%	1.73%																						
ASTLAE	ASTLAE	SYLAL3	ASLA5	<i>Symphyotrichum laeve</i> { <i>Aster l</i> }	Smooth Blue Aster	Compositae	Nt P-Forb	9	5	UPL	8	5	UPL	2.0-3.5 (2.5)	blue											68,750	1,100,000	0.125	137,500	3.16	1.00%	3.55%																						
ASTNOV	ASTNOV	SYNO2	ASNO	<i>Symphyotrichum novae-angliae</i> { <i>Aster n</i> }	New England Aster	Compositae	Nt P-Forb	4	-3	FACW	4	-3	FACW	3.0-5.0 (4.0)	blue											87,500	1,400,000	0.125	175,000	4.02	1.00%	4.51%																						
VERFAS	VERFAS	VEFA2	VEFA2	<i>Vernonia fasciculata</i>	Common Ironweed	Compositae	Nt P-Forb	5	-3	FACW	5	-3	FACW	3.0-6.0 (4.0)	purple											29,375	470,000	0.125	58,750	1.35	1.00%	1.51%																						
																									Forb totals																								4.409	2,261,695	52	35.35%	58.31%	
																									Graminoid & forb totals																									12.472	3,878,541	89	100.00%	100.00%

All items subject to availability. Mix composition may vary seasonally

5.70 2.08 5.11 1.78

← Key

- main bloom
- extended bloom
- fall leaf color
- fruit color
- [Abc] new scientific name
- {Abc} old scientific name
- \*Abc\* transitional name
- Yellow is uncertain data

OBL = -5, FACW+ = -4, FACW = -3, FACW = -2, FAC+ = -1, FAC = 0, FAC = 1, FACU+ = 2, FACU = 3, FACU = 4, UPL = 5.

Graminoids include *Graminae* (grasses), *Cyperaceae* (sedges), *Juncaceae* (rushes), *Sparganaceae* (burreeds), and *Acoraceae* (sweetflag). Forbs are herbs and select shrubs, which typically behave as herbaceous in a fire managed context, both having more or less showy flowers.

New and old scientific names are relative terms. Many 'new' names are actually names that were in use 80 to 100 years ago, but were replaced by the names with which we have become accustomed. New is used in the sense that the names have recently come into use or will be soon in Illinois.