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Ground Water Wetland (Fens, seeps, and sedge meadows)

Native species per mix	42
Native seeds per square foot	5616
Native FQI NE Illinois	42.27
Native FQI Illinois	39.49
Native Mean C Value NE Illinois	6.52
Native Mean C Value Illinois	6.09
Mean W Value NE Illinois	(3.82)
Mean W Value Illinois	(3.75)

A mix for seeps, fens, & springy hillsides. A mix for cool, clean, ground water wetlands, with in situ soils. With minor modifications, this mix will work in the elusive "restored sedge meadow". Let us custom tailor your seed mix. Not for use in surface water wetlands. Must dormant seed. Advance order only.

This mix has seeds and spores that are short lived or recalcitrant, and can only be used in the appropriate season!

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

ACRONYMS		scientific name		common name		family		type		S&W		S&W wet		S&W wet Illinois		IL wet		IL wet		bloom time		seeds/oz	seeds/lb	lb/ac	seeds/acre	seeds/lbq	% by weight	% by count			
S&W	ILL	USDA	vPlants	scientific name	common name	family	type	C	index	acro	C	index	acro	height	color	M	A	M	J	J	A	S	O	N							
ANDGER	ANDGER	ANGE	vPlants	<i>Andropogon gerardii</i>	Big Bluestem	Graminae	Ni P-Grass	5	1	FAC-	5	1	FAC-	4.0-8.0(4.0)	na										9,375	150,000	2.000	300,000	6.89	17.95%	0.12%
BROCIL	BROCIL	BRCI2	vPlants	<i>Bromus ciliatus</i>	Downy Brome	Graminae	Ni P-Grass	10	-5	[OBL]	10	-5	OBL	1.5-4.0 (2.8)	na										6,250	100,000	0.125	12,500	0.29	1.12%	0.01%
BROKAL	BROKAL	BRKA2	vPlants	<i>Bromus kalmii</i>	Kalms Brome	Graminae	Ni P-Grass	10	0	FAC	10	0	FAC	1.5-2.0 (1.8)	na										11,250	180,000	0.125	22,500	0.52	1.12%	0.01%
CALCAN	CALCAN	CACA4	vPlants	<i>Calamagrostis canadensis</i>	Blue Joint Grass	Graminae	Ni P-Grass	3	-5	OBL	3	-5	OBL	2.0-3.5 (2.5)	na										234,375	3,750,000	0.125	468,750	10.76	1.12%	0.19%
CALINB	CALINE	CASIT3	vPlants	<i>Calamagrostis stricta inespansa</i> (C brevior i)	Bog Reed Grass	Graminae	Ni P-Grass	5	-4	FACW+	5	-4	FACW+	2.0-4.0 (2.5)	na										218,750	3,500,000	0.015	52,500	1.21	0.13%	0.02%
CXBEBB	CXBEBB	CABE2	vPlants	<i>Carex bebbii</i>	Bebbs Sedge	Cyperaceae	Ni P-Sedge	6	-5	OBL	8	-5	OBL	2.0-3.0 (2.5)	na										112,500	1,800,000	0.250	450,000	10.33	2.24%	0.18%
CXBUXB	CXBUXB	CABU6	vPlants	<i>Carex busbaumii</i>	Andew Mint Sedge	Cyperaceae	Ni P-Sedge	9	-5	OBL	9	-5	OBL	1.5-2.5 (2.0)	na										2,125	34,000	0.063	2,142	0.05	0.57%	0.00%
CXGRAN	CXGRNG	CAGR3	vPlants	<i>Carex granularis</i>	Meadow Sedge	Cyperaceae	Ni P-Sedge	4	-4	FACW+	2	-4	FACW+	1.0-1.5 (1.3)	na										20,625	330,000	0.063	20,790	0.48	0.57%	0.01%
CXHYST	CXHYST	CAHY4	vPlants	<i>Carex hystrix</i>	Porcupine Sedge	Cyperaceae	Ni P-Sedge	5	-5	OBL	6	-5	OBL	1.0-2.0 (1.5)	na										28,125	450,000	0.188	84,600	1.94	1.69%	0.03%
CXSOP	CXSOP	CASC5	vPlants	<i>Carex scoparia</i>	Pointed Brom Sedge	Cyperaceae	Ni P-Sedge	7	-3	FACW	5	-3	FACW	1.0-3.0 (2.0)	na										87,500	1,400,000	0.250	350,000	8.03	2.24%	0.14%
ECHCRU	ECHCRU	ECCR	vPlants	<i>Echinochloa crusgali</i>	Barnyard Grass	Graminae	Ni A-Grass	0	-3	FACW	-3	-3	FACW	1.5-3.5 (2.5)	na										7,375	118,000	0.500	59,000	1.35	4.49%	0.02%
ECHWAL	ECHWAL	ECWA	vPlants	<i>Echinochloa walteri</i>	Saltmarsh Cockspur Grass	Graminae	Ni A-Grass	8	-5	OBL	5	-5	OBL	5.0-6.0 (5.5)	na										25,813	413,000	0.125	51,625	1.19	1.12%	0.02%
SCIACU	SCIACU	SCACA	vPlants	<i>Schoenoplectus acutus</i> (Scirpus a)	Hard Stem Bulrush	Cyperaceae	Ni P-Sedge	6	-5	OBL	6	-5	OBL	5.0-6.0 (5.5)	na										26,250	420,000	0.250	105,000	2.41	2.24%	0.04%
SORNUT	SORNUT	SONU2	vPlants	<i>Sorghastrum nutans</i>	Indian Grass	Graminae	Ni P-Grass	5	2	FACU+	4	2	FACU+	4.0-6.0 (5.0)	na										12,188	195,000	4.000	780,000	17.91	35.89%	0.32%
Graminoid totals																							8,079	2,759,407	63	72.50%	1.13%				

Forbs

ACRONYMS		scientific name		common name		family		type		S&W		S&W wet		S&W wet Illinois		IL wet		IL wet		bloom time		seeds/oz	seeds/lb	lb/ac	seeds/acre	seeds/lbq	% by weight	% by count				
S&W	ILL	USDA	vPlants	scientific name	common name	family	type	C	index	acro	C	index	acro	height	color	M	A	M	J	J	A	S	O	N								
ANGATR	ANGATR	ANAT	vPlants	<i>Angelica atropurpurea</i>	Angelica	Umbelliferae	Ni P-Forb	7	-5	OBL	6	-5	OBL	5.0-7.0 (6.0)	green											5,750	92,000	0.750	69,000	1.58	6.73%	0.03%
CACPLA	CACPLA	ARPL4	vPlants	<i>Arnoglossum plantagineum</i> (Cacalia p)	Prairie Indian Plantain	Compositae	Ni P-Forb	10	0	FAC	10	0	FAC	20.0-30.0 (25.0)	pink											5,625	90,000	0.031	2,790	0.06	0.28%	0.00%
ASCINC	ASCINC	ASIN	vPlants	<i>Asclepias incarnata</i>	Swamp Milkweed	Asclepiadaceae	Ni P-Forb	4	-5	OBL	4	-5	OBL	2.0-4.0 (3.0)	pink											5,625	90,000	0.250	22,500	0.52	2.24%	0.01%
CALYPA	CALYPA	CAPA5	vPlants	<i>Caltha palustris</i>	Marsh Marigold (fall only)	Ranunculaceae	Ni P-Forb	10	-5	OBL	7	-5	OBL	1.0-1.5 (1.3)	yellow											3,750	60,000	0.031	1,860	0.04	0.28%	0.00%
CHEGLB	CHEGLB	CEGL2	vPlants	<i>Chelone glabra</i>	White Turtlehead	Scrophulariaceae	Ni P-Forb	8	-5	OBL	7	-5	OBL	2.0-3.0 (2.5)	white											68,750	1,100,000	0.031	34,100	0.78	0.28%	0.01%
ASTUMB	ASTUMB	DOUMU	vPlants	<i>Doellingeria umbellata</i> (Aster u)	Flattop Aster	Compositae	Ni P-Forb	9	-3	FACW	8	-3	FACW	2.0-3.0 (2.5)	white											59,375	950,000	0.031	29,450	0.68	0.28%	0.01%
EUPPER	EUPPER	EUEP3	vPlants	<i>Eupatorium perfoliatum</i>	Thoroughwort	Compositae	Ni P-Forb	4	-4	FACW+	4	-4	FACW+	1.5-3.0 (2.3)	white											196,875	3,150,000	0.063	198,450	4.56	0.57%	0.08%
EUPMAC	EUPMAC	EUMA6	vPlants	<i>Eutrochium maculatum</i> [Eupatorium m]	Spotted Joejeyweed	Compositae	Ni P-Forb	4	-5	OBL	5	-5	OBL	4.0-6.0 (5.0)	pink											96,875	1,550,000	0.063	97,650	2.24	0.57%	0.04%
CACSTUA	CACSTUA	HASU3	vPlants	<i>Eupatorium maculatum</i>	Sweet Indian Plantain	Compositae	Ni P-Forb	10	-5	OBL	10	-5	OBL	2.0-4.0 (3.0)	white											15,625	250,000	0.063	15,750	0.36	0.57%	0.01%
HELAUT	HELAUT	HEAU	vPlants	<i>Helianthus autumnale</i>	Sneezeweed	Compositae	Ni P-Forb	5	-4	FACW+	3	-4	FACW+	2.0-4.0 (3.0)	yellow											131,250	2,100,000	0.063	132,300	3.04	0.57%	0.05%
IRIVIS	IRIVIS	IRVIS	vPlants	<i>Iris virginica shrevei</i> (I shrevei)	Blue Flag Iris	Iridaceae	Ni P-Forb	5	-5	OBL	5	-5	OBL	2.0-4.0 (3.0)	blue											1,063	17,000	0.188	3,196	0.07	1.69%	0.00%
LIASPI	LIASPI	LISP	vPlants	<i>Liatriis spicata</i>	Spike Blazingstar	Compositae	Ni P-Forb	6	0	FAC	7	0	FAC	1.0-4.0 (2.0)	lavender											10,188	163,000	0.125	20,375	0.47	1.12%	0.01%
LYCAME	LYCAME	LYAM	vPlants	<i>Lycopus americanus</i>	Common Water Horehound	Labiateae	Ni P-Forb	5	-5	OBL	3	-5	OBL	1.5-3.0 (2.3)	white											18,438	295,000	0.063	18,585	0.43	0.57%	0.01%
LYSHYB	LYSHYB	LYHY	vPlants	<i>Lysimachia hybrida</i>	River Loosestrife	Primulaceae	Ni P-Forb	10	-5	OBL	7	-5	OBL	2.0-3.0 (2.5)	yellow											68,750	1,100,000	0.031	34,100	0.78	0.28%	0.01%
LYSQR	LYSQR	LYQU	vPlants	<i>Lysimachia quadriflora</i>	Narrow-leaved Loosestrife	Primulaceae	Ni P-Forb	9	-5	OBL	8	-5	OBL	1.5-2.5 (2.0)	yellow											90,000	1,440,000	0.031	44,640	1.02	0.28%	0.02%
MENARV	MENARV	MEAR4	vPlants	<i>Mentha arvensis</i>	Wild Mint	Labiateae	Ni P-Forb	5	-5	[OBL]	4	-3	FACW	1.0-3.0 (2.0)	white											331,250	5,300,000	0.015	79,500	1.83	0.13%	0.03%
SOLOHI	SOLOHI	OLOH	vPlants	<i>Oligoneuron ohioense</i> [Solidago o]	Ohio Goldenrod	Compositae	Ni P-Forb	9	-5	OBL	10	-5	OBL	2.0-3.0 (2.5)	yellow											121,875	1,950,000	0.031	60,450	1.39	0.28%	0.02%
SOLRID	SOLRID	OLRI2	vPlants	<i>Oligoneuron riddellii</i> [Solidago r]	Riddell's Goldenrod	Compositae	Ni P-Forb	7	-5	OBL	7	-5	OBL	1.0-4.0 (2.0)	yellow											118,750	1,900,000	0.125	237,500	5.45	1.12%	0.10%
ONOSEN	ONOSEN	ONSE	vPlants	<i>Onochea sensibilis</i>	Sensitive Fern (Fall Only)	Dryopteridaceae (Asplenaceae)	Ni Fern	8	-3	FACW	5	-3	FACW	0.72-1.3 (1.0)	brown											482,375,000	7,718,000,000	0.031	239,258,000	5,493	0.28%	97.80%
PEDLAN	PEDLAN	PELA2	vPlants	<i>Pedicularis lanceolata</i>	Swamp Betony	Scrophulariaceae	Ni P-Forb	9	-5	[OBL]	9	-4	FACW+	1.5-3.0 (2.0)	yellow											46,875	750,000	0.015	11,250	0.26	0.13%	0.00%
PYCVIR	PYCVIR	PYVI	vPlants	<i>Pycnanthemum virginianum</i>	Common Mt Mint	Labiateae	Ni P-Forb	5	-4	FACW+	5	-4	FACW+	1.0-3.0 (2.0)	white											281,250	4,500,000	0.125	562,500	12.91	1.12%	0.23%
ROSPAL	ROSPAL	ROPA	vPlants	<i>Rosa palustris</i>	Swamp Rose	Rosaceae	Ni Shrub	7	-5	OBL	7	-5	OBL	3.0-5.0 (4.0)	pink											2,500	40,000	0.063	2,520	0.06	0.57%	0.00%
RUMORB	RUMORB	RUROR2	vPlants	<i>Rumex britanica</i> (R orbiculatus)	Great Water Dock	Polygonaceae	Ni P-Forb	8	-5	OBL	7	-5	OBL	3.0-4.0 (3.5)	green											13,313	213,000	0.188	40,044	0.92	1.69%	0.02%
SILPER	SILPER	SILPEP	vPlants	<i>Silphium perfoliatum</i>	Cup Plant	Compositae	Ni P-Forb	5	-2	FACW-	4	-2	FACW-	4.0-10.0 (6.0)	yellow											1,813	29,000	0.188	5,452	0.13	1.69%	0.00%
SOLGIG	SOLGIG	SOGI	vPlants	<i>Solidago gigantea</i>	Late Goldenrod																											