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Mesic to Wet Stormwater Swale

Native species per mix	18
Native seeds per square foot	319
Native FQI NE Illinois	19.33
Native FQI Illinois	17.91
Native Mean C Value NE Illinois	4.56
Native Mean C Value Illinois	4.22
Mean W Value NE Illinois	(1.67)
Mean W Value Illinois	(1.72)

A seed mix for mesic to slightly wet, occasionally inundated ditches and drainage swales that receive clean runoff.

The term drainage swale is a relative term that denotes a topographic low in the landscape that periodically receives excess runoff precipitation. Contrary to most current usage, it has no connotation of long-term soil moisture or the type of vegetation that will grow in the swale. The following mix is for those mostly mesic, not-so-wet swales with no street parking lot runoff.

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

ACRONYMS		S&W		S&W wet		S&W wet Illinois		IL wet		IL wet		bloom time												seeds/oz	seeds/lb	lb/ac	seeds/ acre	seeds/ftsq	% 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	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	2,000	300,000	6.89	16.62%	2.16%	
CXBEBB	CXBEBB	CABE2	CABE2	<i>Carex Bebbii</i>	Bebbs Sedge	Cyperaceae	Nt P-Sedge	6	-5	OBL	8	-5	OBL	2.0-3.0 (2.5)	na										112,500	1,800,000	0.500	900,000	20.66	4.16%	6.48%	
CXMOLE	CXMOLE	CAMO11	CAMO11	<i>Carex molesta</i>	Troublesome Sedge	Cyperaceae	Nt P-Sedge	2	-1	FAC+	2	0	FAC	2.0-4.0 (3.0)	na										36,250	580,000	0.250	145,000	3.33	2.08%	1.04%	
CXSCOP	CXSCOP	CASCS	CASCS	<i>Carex scoparia</i>	Pointed Broom Sedge	Cyperaceae	Nt P-Sedge	7	-3	FACW	5	-3	FACW	1.0-3.0 (2.0)	na										87,500	1,400,000	0.500	700,000	16.07	4.16%	5.04%	
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	2,000	240,000	5.51	16.62%	1.73%	
ELYVIR	ELYVIR	ELV13	ELV13	<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	2,000	184,000	4.22	16.62%	1.33%	
JUNTEN	JUNTEN	JUTE	JUTE	<i>Juncus tenuis</i>	Slender Rush	Juncaceae	Nt P-Rush	0	2	[FACU+]	0	0	FAC	0.72-1.3 (1.0)	green										3,000,000	48,000,000	0.125	6,000,000	137.74	1.04%	43.23%	
SCIATR	SCIATR	SCAT2	SCAT2	<i>Scirpus atrovirens</i>	Dark Green Rush	Cyperaceae	Nt P-Sedge	4	-5	OBL	4	-5	OBL	2.0-5.0 (3.5)	brown											581,250	9,300,000	0.250	2,325,000	53.37	2.08%	16.75%
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	3,000	585,000	13.43	24.94%	4.21%
															Graminoid totals												10.625	11,379,000	261	88.31%	81.99%	

Forbs

ACRONYMS		S&W		S&W wet		S&W wet Illinois		IL wet		IL wet		bloom time												seeds/oz	seeds/lb	lb/ac	seeds/ acre	seeds/ftsq	% 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									
EUPPER	EUPPER	EUPE3	EUPE3	<i>Eupatorium perfoliatum</i>	Thoroughwort	Compositae	Nt P-Forb	4	-4	FACW+	4	-4	FACW+	1.5-3.0 (2.3)	white												196,875	3,150,000	0.094	296,100	6.80	0.78%	2.13%
SILPER	SILPER	SILPEP	SILPEP	<i>Silphium perfoliatum</i>	Cup Plant	Compositae	Nt P-Forb	5	-2	FACW-	4	-2	FACW-	4.0-10 (6.0)	yellow												1,813	29,000	0.031	899	0.02	0.26%	0.01%
SOLGIG	SOLGIG	SOGI	SOGI	<i>Solidago gigantea</i>	Late Goldenrod	Compositae	Nt P-Forb	4	-3	FACW	3	-3	FACW	4.0-7.0 (5.5)	yellow												362,500	5,800,000	0.094	545,200	12.52	0.78%	3.93%
ASTLAE	ASTLAE	SYLAL3	ASLA5	<i>Symphoricarum laeve</i> (Aster l)	Smooth Aster	Compositae	Nt P-Forb	9	5	UPL	8	5	UPL	2.0-3.5 (2.5)	blue												68,750	1,100,000	0.250	275,000	6.31	2.08%	1.98%
ASTSIS	ASTSIS	SYLAL4	ASLA80	<i>Symphoricarum lanceolatum</i> (Aster simplex) *A l*	Panicled Aster	Compositae	Nt P-Forb	3	-5	OBL	3	-5	OBL	4.0-5.0 (4.5)	white												193,750	3,100,000	0.125	387,500	8.90	1.04%	2.79%
ASTNOV	ASTNOV	SYNO2	ASNO	<i>Symphoricarum novae-angliae</i> (Aster n)	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	0.250	350,000	8.03	2.08%	2.52%
VERHAS	VERHAS	VEHA2	VEHA2	<i>Verbena hastata</i>	Blue Vervain	Verbenaceae	Nt P-Forb	4	-4	FACW+	3	-4	FACW+	2.0-6.0 (3.0)	blue												112,500	1,800,000	0.312	561,600	12.89	2.59%	4.05%
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	1.04%	0.42%
ZIZAUR	ZIZAUR	ZIAU	ZIAU	<i>Zizia aurea</i>	Golden Alexander	Umbelliferae	Nt P-Forb	7	-1	FAC+	6	-1	FAC+	1.0-2.5 (2.0)	yellow												12,500	200,000	0.125	25,000	0.57	1.04%	0.18%
v120712															Forb totals												1,406	2,500,049	57	11.69%	18.01%		
All items subject to availability. Mix composition may vary seasonally															Graminoid & forb totals												12.031	13,879,049	319	100.00%	100.00%		

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.