



Pizzo Native Plant Nursery, LLC • 10729 Pine Road • Leland, IL 60531 • Phone : 815-981-8000 • www.pizzonursery.com

Dry-Bottom Detention Basin Seed Mix (Mesic-Wet Soils at the Bottom of Basins or Swales)

MIX STATISTICS

Base Mix Without Supplemental Plugs

Average Mix Height (ft)	3.4
Median Mix Height (ft)	4.0
Species Heights (# of Occurrences in Mix)	1.5' (1), 2' (10), 3' (8), 4' (13), 5' (8), 6' (3), 7' (2), 8' (1)
Number of Native Species in Mix	46
Native FQI	32.6
Native Mean C Value	4.8
Native Mean W Value	-1.0
National Wetland Category	FAC+
Lbs/Acre of Native Seed	30.0
Seeds per Square Foot	330.8
Percent of Mix (by Seed Count) Requiring Stratification	68.1%

Designed for sunny areas that flood periodically for short periods of time, ranging from 24-48 hours, but remain mesic to dry for most of the growing season. It is composed of species that tolerate fluctuating water levels and poor water quality, and is ideal for planting in the bottom of dry-bottom detention basins, within the "Bounce Zone" on detention basin slopes, dry-bottom bioswales, large rain gardens, and within open floodplains. This is a medium height prairie with an average height of 3.4' by seed count, and about 23% of seeds typically averaging 5.0' high or more. While this mix does provide flowering species from April-October, it is designed to be a bit graminoid heavy (particularly long-term) with nearly 66% of seeds being grass and sedge species. The mix is designed in this fashion to ensure excellent erosion control when used in stormwater applications.

Grasses, Sedges, & Rushes

CODE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	W-VALUE	WETNESS	HEIGHT		BLOOM COLOR	BLOOM TIME						SEEDS/OZ	OZ/ACRE	LB/ACRE	% OF MIX		GERMINATION	TOP SOW	
						Min-Max	Typical		A	M	J	J	A	S				O	by Weight			by Seed Count
ANDGER	<i>Andropogon gerardii</i>	Big Bluestem	5	0	FAC	6-8'	7	N/A								10,000	64.00	4.00	13.33%	4.44%	N/A	
CXBEBB	<i>Carex bebbii</i>	Bebb's Oval Sedge	6	-5	OBL	1-3'	2	N/A								34,000	2.00	0.13	0.42%	0.47%	CM-60	
CXBREV	<i>Carex brevior</i>	Plains Oval Sedge	4	0	FAC	1-3'	2	N/A								29,000	4.00	0.25	0.83%	0.81%	CM-60	
CXCRI	<i>Carex cristatella</i>	Crested Oval Sedge	4	-3	FACW	2-4'	3	N/A								58,000	1.00	0.06	0.21%	0.40%	CM-60	
CXHYST	<i>Carex hystericina</i>	Porcupine Sedge	5	-5	OBL	1-2.5'	2	N/A								30,000	2.00	0.13	0.42%	0.42%	CM-60	
CXMOLE	<i>Carex molesta</i>	Field Oval Sedge	2	0	FAC	1-2.5'	2	N/A								25,000	3.00	0.19	0.63%	0.52%	CM-60	
CXSOP	<i>Carex scoparia</i>	Lance-fruited Oval Sedge	7	-3	FACW	1-3'	2	N/A								84,000	1.00	0.06	0.21%	0.58%	CM-60	
CXVULP	<i>Carex vulpinoidea</i>	Brown Fox Sedge	2	-3	FACW	1.5-3.5'	3	N/A								100,000	8.00	0.50	1.67%	5.55%	CM-60	
ELEPAL	<i>Eleocharis palustris</i>	Great Spike Rush	2	-5	OBL	1-3.5'	2	N/A								51,000	6.00	0.38	1.25%	2.12%	CM-60	
ELYCAN	<i>Elymus canadensis</i>	Canada Wild Rye	4	3	FACU	3-5'	5	N/A								5,200	32.00	2.00	6.67%	1.15%	N/A	
ELYVIR	<i>Elymus virginicus</i>	Virginia Wild Rye	4	-3	FACW	2.5-4'	4	N/A								4,200	48.00	3.00	10.00%	1.40%	N/A	
JUNDUD	<i>Juncus dudleyi</i>	Dudley's Rush	4	-3	FACW	1-2.5'	2	N/A								3,200,000	1.00	0.06	0.21%	22.21%	CM-60	
PANVIR	<i>Panicum virgatum</i>	Switch Grass	5	0	FAC	3-6'	4	N/A								14,000	80.00	5.00	16.67%	7.77%	N/A	
SCHSCO	<i>Schizachyrium scoparium</i>	Little Bluestem	5	3	FACU	2-3'	3	N/A								15,000	64.00	4.00	13.33%	6.66%	N/A	
SCIATR	<i>Scirpus atrovirens</i>	Dark-green Bulrush	4	-5	OBL	2-6'	5	N/A								460,000	1.00	0.06	0.21%	3.19%	CM-60 or M	
SCICYP	<i>Scirpus cyperinus</i>	Wool Grass	6	-5	OBL	3-5'	5	N/A								1,700,000	0.50	0.03	0.10%	5.90%	CM-60 or M	
SORNUT	<i>Sorghastrum nutans</i>	Indian Grass	5	3	FACU	3-7'	6	N/A								12,000	16.00	1.00	3.33%	1.33%	N/A	
												Grass/Sedge Subtotals		20.844	69.48%	64.94%						

Wildflowers

CODE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	W-VALUE	WETNESS	HEIGHT		BLOOM COLOR	BLOOM TIME						SEEDS/OZ	OZ/ACRE	LB/ACRE	% OF MIX		GERMINATION	TOP SOW	
						Min-Max	Typical		A	M	J	J	A	S				O	by Weight			by Seed Count
ALLCER	<i>Allium cernuum</i>	Nodding Onion	7	3	FACU	1-2'	1.5	Purple								7,600	4.00	0.25	0.83%	0.21%	CM-60	
ASCINC	<i>Asclepias incarnata</i>	Swamp Milkweed	4	-5	OBL	3-6'	4	Pink								4,800	24.00	1.50	5.00%	0.80%	CM-30	
CHAFAS	<i>Chamaecrista fasciculata</i>	Partridge Pea	5	3	FACU	6"-2'	2	Yellow								2,700	16.00	1.00	3.33%	0.30%	CM-10, H, I	
CORTRI	<i>Coreopsis tripteris</i>	Tall Coreopsis	5	0	FAC	3-8'	7	Yellow								14,000	6.00	0.38	1.25%	0.58%	CM-60	
DESCAA	<i>Desmodium canadense</i>	Showy Tick Trefoil	4	3	FACU	3-6'	4	Purple								5,500	4.00	0.25	0.83%	0.15%	J, I	
ECHPUR	<i>Echinacea purpurea</i>	Purple Coneflower	3	5	UPL	2-5'	4	Purple								6,600	8.00	0.50	1.67%	0.37%	N/A	
ERYYUC	<i>Eryngium yuccifolium</i>	Rattlesnake Master	9	0	FAC	2-5'	4	White								7,500	12.00	0.75	2.50%	0.62%	CM-60	
EUPPER	<i>Eupatorium perfoliatum</i>	Boneset	4	-5	OBL	3-4'	4	White								160,000	0.50	0.03	0.10%	0.56%	CM-30	
EUTGRA	<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	4	-3	FACW	2-4'	3	Yellow								350,000	1.00	0.06	0.21%	2.43%	CM-60	
EUTMAC	<i>Eutrochium maculatum</i>	Spotted Joe Pye Weed	4	-5	OBL	3-6'	5	Pink								95,000	2.00	0.13	0.42%	1.32%	CM-30	
HELAUT	<i>Helenium autumnale</i>	Sneezeweed	5	-3	FACW	2-5'	4	Yellow								130,000	3.00	0.19	0.63%	2.71%	N/A	
KUHEUP	<i>Kuhnia eupatorioides</i>	False Boneset	6	5	UPL	1-3.5'	3	Cream								32,000	4.00	0.25	0.83%	0.89%	N/A	
LIAPYC	<i>Liatris pycnostachya</i>	Prairie Blazing Star	8	0	FAC	2-4'	4	Purple								11,000	2.00	0.13	0.42%	0.15%	CM-60	
LIASPI	<i>Liatris spicata</i>	Marsh Blazing Star	6	0	FAC	2-5'	5	Purple								11,000	2.00	0.13	0.42%	0.15%	CM-60	
MONFIS	<i>Monarda fistulosa</i>	Wild Bergamot	4	3	FACU	2.5-4'	4	Purple								70,000	4.00	0.25	0.83%	1.94%	N/A	
PENDIG	<i>Penstemon digitalis</i>	Foxglove Beardtongue	4	0	FAC	2-3'	3	White								130,000	4.00	0.25	0.83%	3.61%	CM-30, G	
PHYVIR	<i>Physostegia virginiana</i>	Obedient Plant	6	-3	FACW	3-4'	4	Pink								11,000	2.00	0.13	0.42%	0.15%	CM-60	
PYCVIR	<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint	5	-3	FACW	1-4'	3	White								220,000	2.00	0.13	0.42%	3.05%	N/A	
RUDHIR	<i>Rudbeckia hirta</i>	Black-eyed Susan	1	3	FACU	2-3'	2	Yellow								92,000	8.00	0.50	1.67%	5.11%	CM-30	
RUDSUB	<i>Rudbeckia subtomentosa</i>	Sweet Black-eyed Susan	9	3	FACU	3-6'	5	Yellow								43,000	1.00	0.06	0.21%	0.30%	CM-30	
RUDTRI	<i>Rudbeckia triloba</i>	Brown-eyed Susan	3	3	FACU	2-6'	5	Yellow								34,000	3.00	0.19	0.63%	0.71%	CM-30	
SILPER	<i>Silphium perfoliatum</i>	Cup Plant	5	-3	FACW	6-10'	8	Yellow								1,400	0.50	0.03	0.10%	0.00%	CM-60	
SOLRID	<i>Solidago riddellii</i>	Riddell's Goldenrod	7	-5	OBL	2-4'	3	Yellow								93,000	2.00	0.13	0.42%	1.29%	CM-60	
SOLRIG	<i>Solidago rigida</i>	Stiff Goldenrod	4	3	FACU	2-5'	4	Yellow								41,000	1.50	0.09	0.31%	0.43%	CM-60	
SYMNOV	<i>Symphoricarpon novae-angliae</i>	New England Aster	4	-3	FACW	3-5'	4	Purple								66,000	6.00	0.38	1.25%	2.75%	CM-60	
THADAS	<i>Thalictrum dasycarpum</i>	Purple Meadow Rue	5	-3	FACW	3-7'	6	Cream								11,000	4.00	0.25	0.83%	0.31%	CM-60, G	
VERHAS	<i>Verbena hastata</i>	Blue Vervain	4	-3	FACW	2-6'	5	Blue								93,000	4.00	0.25	0.83%	2.58%	CM-30	
VERFAS	<i>Vernonia fasciculata</i>	Common Ironweed	5	-3	FACW	3-6'	6	Purple								24,000	4.00	0.25	0.83%	0.67%	CM-60	
ZIZAUR	<i>Zizia aurea</i>	Golden Alexanders	7	0	FAC	1-2.5'	2	Yellow								11,000	12.00	0.75	2.50%	0.92%	CM-60 or M, G	
												Wildflower Subtotals		9.156	30.52%	35.06%						
												Mix TOTALS		30.000	100.00%	100.00%						