



United OBL Wetland Mixture is reformulated to more accurately represent species found in Zone 3 (Iowa) and Zone 5 (Nebraska) as designated by the [USDA Wetland Indicator Status](#). OBL wetland species are found in standing water areas and United OBL Wetland Mixture is a complete mixture using Sedges, Rushes and Wildflowers. Special emphasis of species selection was placed on seed count per pound to minimize domination of smaller sized seeds.

Seeding Information

Seeding Rate: 12.0 PLS Pounds Per Acre (Drill Seeding) 15.0 PLS Pounds Per Acre (Broadcast Seed or Dormant Seed)

Seeding Dates: March-June **Dormant Seed:** Mid November-March

Germination Times: 10-30 Days (as a mix)

Seeding Method

- Broadcast (recommended)
- Hand Seed
- Broadcast Seed
- Dormant Seed

Botanical Name	Common Name	% of Mix	PLS Rate Per Acre (12 LBS/AC)	Mature Height	Flower Color
<i>Alisma subcordatum</i>	MUD (WATER) PLANTAIN	0.42%	0.0504	1'	White
<i>Asclepias incarnata</i>	SWAMP MILKWEED	8.33%	0.9996	3-5'	Pink
<i>Aster puniceus</i>	PURPLE STEMMED ASTER (SWAMP)	0.25%	0.03	5-6'	Violet
<i>Bidens cernua</i>	NODDING BUR MARIGOLD	2.08%	0.2496	3'	Yellow
<i>Calamagrostis canadensis</i>	CANADA BLUE JOINTGRASS	0.21%	0.0252	5'	NA
<i>Carex cosmosa</i>	BRISTLY SEDGE	0.63%	0.0756	8-24"	NA
<i>Carex bebbii</i>	BEBB'S SEDGE	6.25%	0.75	2'	NA
<i>Carex lurida</i>	LURID SEDGE	2.08%	0.2496	3'	NA
<i>Carex nebraskensis</i>	NEBRASKA SEDGE	14.58%	1.7496	3'	NA
<i>Carex stipata</i>	AWL SEDGE	4.17%	0.5004	1.5 -3'	NA
<i>Carex stricta</i>	TUSSOCK SEDGE	0.08%	0.0096	3'	NA
<i>Carex vulpinoidea</i>	FOX SEDGE	19.17%	2.3004	3'	NA
<i>Chelone glabra</i>	TURTLEHEAD	0.08%	0.0096	5'	Cream
<i>Echinochloa muricata</i>	BARNYARD GRASS	14.58%	1.7496	2'	NA
<i>Eleocharis palustris</i>	SPIKE RUSH	6.67%	0.8004	1.5'	NA
<i>Eupatorium fistulosum</i>	JOE PYE WEED	2.08%	0.2496	5'	Pink
<i>Glyceria striata</i>	FOWL MANNAGRASS	0.58%	0.0696	4'	NA
<i>Juncus effusus</i>	SOFT RUSH	0.58%	0.0696	4'	NA
<i>Leersia oryzoides</i>	RICE CUTGRASS	1.67%	0.2004	3'	NA
<i>Lobelia cardinalis</i>	CARDINAL FLOWER	0.17%	0.0204	3-4'	Red
<i>Ludwigia alternifolia</i>	SEEDBOX	0.08%	0.0096	3'	Yellow
<i>Mimulus ringens</i>	SQUARE STEMMED MONKEY FLOWER	0.42%	0.0504	2'	Purple
<i>Scirpus atrovirens</i>	GREEN BULRUSH	6.25%	0.75	5'	NA
<i>Scirpus validus</i>	SOFT STEM BULRUSH	8.33%	0.9996	5-6'	NA
<i>Solidago riddellii</i>	RIDDELL'S GOLDENROD	0.25%	0.03	3'	Yellow

COMMON NAME	ORIGIN	LOT NUMBER	TEST DATE					TOTAL			TOTAL GERM.	PLS %	PLS FACTOR
				PURITY	CROP	INERT	WEED	PURE	GERM	DORMANT			
WATER PLANTAIN	SD	7065	4/1/2015	99.88%	0.00%	0.06%	0.06%	100.00%	1%	89%	90%	89.89%	1.112
SWAMP MILKWEED	IA	ASCINCO14A	5/12/2015	91.69%	0.00%	7.38%	0.93%	100.00%	8%	90%	98%	89.86%	1.113
SWAMP ASTER	IA	ASTPUN144B	7/1/2015	97.68%	0.00%	2.31%	0.01%	100.00%	88%	2%	90%	87.91%	1.138
NODDING BUR MARIGOLD	MN	BIDCER144D	5/15/2015	92.51%	0.01%	4.78%	0.00%	97.30%	95%	0%	95%	87.88%	1.138
CANADA BLUEJOINTGRASS	WI	13WSBJA	5/1/2015	75.47%	0.38%	24.15%	0.00%	100.00%	29%	56%	85%	64.15%	1.559
BRISTLY SEDGE	PA	CARCOM01-14PA	6/11/2015	99.04%	0.00%	0.96%	0.00%	100.00%	10%	61%	71%	70.32%	1.422
BEBB'S OVAL SEDGE	WI	CARBEB227CWI	6/1/2015	96.50%	0.00%	3.49%	0.01%	100.00%	31%	60%	91%	87.82%	1.139
LURID SEDGE	IA	14.A.2008	8/1/2015	96.98%	0.00%	3.02%	0.00%	100.00%	4%	88%	92%	89.22%	1.121
NEBRASKA SEDGE	CO	CARNEB-113	8/26/2015	99.43%	0.51%	0.60%	0.00%	100.54%	91%	0%	91%	90.48%	1.105
AWL FRUITED SEDGE	MN	CARST1874A	7/22/2014	95.00%	5.00%	0.00%	0.00%	100.00%	20%	70%	90%	85.50%	1.170
TUSSOCK SEDGE	PA	CARSTR01-14PA	7/15/2015	99.53%	0.23%	0.19%	0.05%	100.00%	8%	72%	80%	79.62%	1.256
FOX SEDGE	PA	CARVUL01-14JB	4/1/2015	97.98%	0.96%	1.06%	0.00%	100.00%	11%	66%	77%	75.44%	1.325
TURTLEHEAD	PA	CHEGLA01-12PA	6/15/2015	63.28%	0.08%	36.64%	0.00%	100.00%	51%	68%	119%	75.30%	1.328
BARNYARD GRASS	IA	ECHMUR01-04IA	6/15/2015	97.22%	0.00%	2.78%	0.00%	100.00%	92%	2%	94%	91.39%	1.094
SPIKE RUSH	ID	ELEPAL01-13	7/15/2015	99.31%	0.56%	0.10%	0.03%	100.00%	10%	77%	87%	86.40%	1.157
JOE PYE WEED	IA	14.A.9014	8/1/2015	91.05%	0.00%	8.94%	0.01%	100.00%	39%	49%	88%	80.12%	1.248
FOWL MANNAGRASS	IA	13.A.1000M	5/10/2015	91.85%	0.01%	8.06%	0.08%	100.00%	42%	51%	93%	85.42%	1.171
COMMON RUSH	WI	JUNEFF684A	6/11/2015	95.02%	0.00%	4.98%	0.00%	100.00%	85%	2%	87%	82.67%	1.210
RICE CUTGRASS	PA	LEEORY01-13	7/15/2015	98.85%	0.06%	0.88%	0.21%	100.00%	1%	78%	79%	78.09%	1.281
CARDINAL FLOWER	IA	14.A.7000	7/1/2015	98.11%	0.00%	1.89%	0.00%	100.00%	38%	55%	93%	91.24%	1.096
SEEDBOX	IA	LUDALT462A	6/15/2015	98.18%	0.01%	1.80%	0.01%	100.00%	88%	2%	90%	88.36%	1.132
MONKEYFLOWER	IA	13.AR.5030A	3/23/2015	95.64%	0.01%	4.34%	0.01%	100.00%	52%	41%	93%	88.95%	1.124
DARK GREEN BULRUSH	IA	SCIATR465A	8/27/2015	99.30%	0.00%	0.70%	0.00%	100.00%	1%	91%	92%	91.36%	1.095
SOFTSTEM BULRUSH	CO	SCHTAB-114	3/15/2015	99.95%	0.00%	0.05%	0.00%	100.00%	96%	0%	96%	95.95%	1.042
RIDDELLS GOLDENROD	IA	13.A.5005	4/10/2015	99.05%	0.01%	0.93%	0.01%	100.00%	21%	65%	86%	85.18%	1.174