



UNITED OBL WETLAND MIXTURE

Description: United OBL Wetland Mixture is formulated to 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 Rate:

12 LBS / ACRE (drill seeded)

15 LBS/ ACRE (broadcast or dormant seed)

Seeding Dates:

March-July

Mid November- March (dormant seeded)

Days to Germination:

10-30 Days as a Mixture

Botanical Name	Common Name	% of Mix	PLS Rate (12 LBS/AC)	Flower Color	Mature Height
<i>Alisma subcordatum</i>	Mud Plantain	0.42%	.0504	White	1'
<i>Asclepias incarnata</i>	Swamp Milkweed	8.33%	.9996	Pink	3-5'
<i>Aster puniceus</i>	Purple Aster	0.25%	.03	Violet	5-6'
<i>Bidens cernua</i>	Bur Marigold	2.08%	.2496	Yellow	3'
<i>Calamagrostis canadensis</i>	Blue Jointgrass	0.21%	.0252		5'
<i>Carex comosus</i>	Bristly Sedge	0.63%	.0756		8-24"
<i>Carex bebbii</i>	Bebb's Sedge	6.25%	.75		2'
<i>Carex lurida</i>	Lurid Sedge	2.08%	.2496		3'
<i>Carex nebraskensis</i>	Nebraska Sedge	14.58%	.17496		3'
<i>Carex stipata</i>	Awl Sedge	4.17%	.5004		1.5-3'
<i>Carex stricta</i>	Tussock Sedge	0.08%	.0096		3'
<i>Carex vulpinoidea</i>	Fox Sedge	19.17%	.23004		3'
<i>Chelone glabra</i>	Turtlehead	0.08%	.0096	Cream	5'
<i>Echinochloa muricata</i>	Barnyard Grass	14.58%	.17496		2'
<i>Cleocharis palustris</i>	Spike Rush	6.67%	.8004		1.5'
<i>Eupatorium fistulosum</i>	Joe Pye Weed	2.08%	.2496	Pink	5'



OMAHA HEADQUARTERS
7500 BURLINGTON STREET
OMAHA, NE 68127
(402)-331-4800

DES MOINES WAREHOUSE
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DES MOINES, IA 50316
(515)-282-1750





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<i>Glyceria striata</i>	Fowl Mannagrass	0.58%	.0696		4'
<i>Juncus effuses</i>	Soft Rush	0.58%	.0696		4'
<i>Leersia oryzoides</i>	Rice Cutgrass	1.67%	.2004		3'
<i>Lobelia cardinalis</i>	Cardinal Flower	0.17%	.0204	Red	3-4'
<i>Ludwigia alternifolia</i>	Seedbox	0.08%	.0096	Yellow	3'
<i>Mimulus ringens</i>	Monkey Flower	0.42%	.0504	Purple	2'
<i>Scirpus atrovirens</i>	Green Bulrush	6.25%	.75		3'
<i>Scirpus Validus</i>	Soft Stem Bulrush	8.33%	.9996		5-6'
<i>Solidago riddellii</i>	Riddell's Goldenrod	0.25%	.03	Yellow	3'



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General Seeding Guidelines

I. SEEDING DATES

April 15 to June 15

August 10 to October 15

November 15 to February 15 (Dormant Seeding)

II. SITE PREPARATION FOR BAREGROUND SEEDING

- i. Conduct a soil test, per acre, to determine any needed soil amendments
- ii. Check soil PH. Ideal PH is between 6.0 and 7.0
- iii. Eliminate existing vegetation
- iv. Spray with a non-selective herbicide
- v. Remove any dead vegetation
- vi. Add soil amendments. Adjust PH.
- vii. Till soil to a 4-6 inch depth
- viii. Remove any large debris
- ix. Pulverize and lightly roll soil
- x. Apply 1 lb of Phosphorous (P) (2.27 lbs P2O5) / 1000 ft² to soil surface

III. SITE PREPARATION FOR INTERSEEDING/OVERSEEDING

- i. Conduct one soil test, per acre, to determine any need soil amendments
- ii. Check soil PH. Ideal PH is between 6.0 and 7.0
- iii. Remove any debris that may inhibit seeding
- iv. Mow area to be seeded if existing vegetation is higher than 3-4 inches

IV. SEEDING METHODS

Seeding Method is base on the slope and soil at site. Use broadcast, drop, slit or drill seeding methods where erosion is not a concern.

- i. Seed should be planted .125 to .25 inches below soil surface
- ii. Plant two directions putting 1/2 of seed down each direction
- iii. Gently roll or rake seeded area to ensure good soil to seed contact
- iii. If inter-seeding into existing vegetation use a slicer/inter-seeder that cuts into existing vegetation and places the seed into the soil at an optimum depth of 1/4 to 1/2 inch and achieves good soil to seed contact
- iv. If broadcast seeding into existing vegetation drag a harrow or chain link fence over seeded area to ensure seed to soil contact.

Hydro seed steep slopes or areas where erosion is a concern..

- i. Broadcast 1/2 of the seed before hydro-seed mixture is applied
- ii. Place the other 1/2 in the hydro seed mixture

V. WATERING REQUIREMENTS

- i. Water to field capacity immediately after seeding
- ii. The first three weeks after seeding keep top 1.t inches of soil moist
- iii. Weeks four through six after seeding water 3-4 times per week
- iv. After six weeks water when grass begins to show drought stress

VI. FERTILIZATION AND MOWING

- i. Fertilize seeded area once for the first two months with .5 lbs of N / 1000ft² after seeding
- ii. Mow when the grass is one inch longer than desired height. Do not remove more than 1/3 of grass blade.