



UNITED RAIN GARDEN MIXTURE

Description: The Rain Garden mixture addresses water conservation in the diversity it possesses. With excellent deep rooting abilities and lower maintenance requirements of all the species this mix will help to filter collected rain water for ground water replenishment. Use this mix in larger areas or smaller, more confined areas. This mixture has excellent color variation from the wildflowers as well as the beautiful mature texture and colors of the native grasses and “grass-like” species. Use this mixture in areas of excessive water run-off or retention basins sites for natural water infiltration.

Seeding Rate:

15 lbs/acre (drill seeded)
20 lbs/acre (broadcast seeded)

Seeding Dates:

March-May
August-October
December-February (dormant seeding)

Days to Germination:

7-28 Days as a Mixture

Botanical Name	Common Name	% of Mix	Bloom Color	Height
<i>Aquilegia canadensis</i>	Columbine	.05%	Light Pink	2'
<i>Asclepias incarnata</i>	Swamp Milkweed	5.0%	Pink	2-3'
<i>Aster novae-angliae</i>	New England Aster	2.5%	Purple	4'
<i>Andropogon gerardii</i>	Big Bluestem	10.0%		4-6'
<i>Carex comosa</i>	Bristly Sedge	5.0%		2'
<i>Carex hystericina</i>	Porcupine Sedge	1.0%		3'
<i>Carex vulpinoidea</i>	Fox Sedge	15.0%		2-3'
<i>Elymus virginicus</i>	Virginia Wildrye	30.0%		4'
<i>Elymus riparius</i>	Riverbank Wildrye	20.0%		4'
<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint	1.5%	Purple	3'
<i>Scirpus atrovirens</i>	Dark Green Bulrush	1.5%		4-5'
<i>Tradescantia ohioensis</i>	Ohio Spiderwort	2.5%	Blue	2-3'
<i>Verbena hastata</i>	Blue Vervain	2.5%	Blue	2-3'
<i>Vernonia fasciculata</i>	Ironweed	.50%	Purple	4-5'
<i>Zizia aurea</i>	Golden Alexanders	2.5%	Yellow	3-4'



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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.