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MANUFACTURER'S CERTIFICATION

Product Name: Mn State 33-361
 Replacement: BWSR W7 MnDOT 310 & 328
 Manufacturer: Ramy Turf Products
 Contact: Michael Ramy

33-361		Stormwater Northeast			
Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/sq ft
fringed brome	<i>Bromus ciliatus</i>	4.09	3.65	10.43%	14.75
bluejoint	<i>Calamagrostis canadensis</i>	0.06	0.05	0.13%	4.80
nodding wild rye	<i>Elymus canadensis</i>	2.24	2.00	5.71%	3.82
Virginia wild rye	<i>Elymus virginicus</i>	2.24	2.00	5.73%	3.09
tall manna grass	<i>Glyceria grandis</i>	0.18	0.16	0.44%	4.00
fowl bluegrass	<i>Poa palustris</i>	0.72	0.64	1.82%	30.40
	Total Grasses	9.53	8.50	24.26%	60.86
porcupine sedge	<i>Carex hystericina</i>	0.10	0.09	0.26%	1.00
pointed broom sedge	<i>Carex scoparia</i>	0.04	0.04	0.12%	1.30
dark green bulrush	<i>Scirpus atrovirens</i>	0.30	0.27	0.76%	45.00
woolgrass	<i>Scirpus cyperinus</i>	0.11	0.10	0.27%	60.00
	Total Sedges and Rushes	0.56	0.50	0.27%	107.30
Canada anemone	<i>Anemone canadensis</i>	0.11	0.10	0.29%	0.30
marsh milkweed	<i>Asclepias incarnata</i>	0.50	0.45	1.30%	0.80
flat-topped aster	<i>Doellingeria umbellata</i>	0.11	0.10	0.29%	2.50
common boneset	<i>Eupatorium perfoliatum</i>	0.06	0.05	0.15%	3.00
grass-leaved goldenrod	<i>Euthamia graminifolia</i>	0.04	0.04	0.11%	5.00
spotted Joe pye weed	<i>Eutrochium maculatum</i>	0.17	0.15	0.42%	5.10
blue monkey flower	<i>Mimulus ringens</i>	0.02	0.02	0.07%	20.00
giant goldenrod	<i>Solidago gigantea</i>	0.02	0.02	0.06%	2.00
eastern panicled aster	<i>Symphotrichum lanceolatum</i>	0.02	0.02	0.05%	1.00
tall meadow-rue	<i>Thalictrum dasycarpum</i>	0.06	0.05	0.16%	0.40
	Total Forbs	1.12	1.00	2.90%	40.10
Oats	<i>Avena sativa</i>	28.02	25.00	71.43%	11.14
	Total Cover Crop	28.02	25.00	71.43%	11.14
	Totals:	39.23	35.00	100.00%	219.40
Purpose:	Stormwater pond edges, temporarily flooded dry ponds, and temporarily flooded ditch bottoms.				
Planting Area:	Laurentian Mixed Forest Province. Mn/DOT Districts 1, 2(east) and 3A.				

- Seed Mixture 33-361 – Mn Specification

Ramy Turf Products is a MCIA approved seed blending facility, licensed to mix, bag and sell seed mixtures designed and specified by the Minnesota Department of Transportation (MNDOT), Board of

Water Soil Resources (BWSR), Minnesota Department of Natural Resources (DNR) and other agencies. MN 33-361 is labeled and packaged as specified in the MNDOT General Specifications and at time of production the most recent seed substitution list – that list is available upon request.

If there is any need for clarification, please contact Michael Ramy at 651-917-0939 for assistance.

Handwritten signature of Michael A. Ramy, Sr. in black ink, written over a horizontal line.

Signed By

01-22-17

Date