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MANUFACTURER'S CERTIFICATION

Product Name: Mn State 34-181  
 Replacement: BWSR W1  
 Manufacturer: Ramy Turf Products  
 Contact: Michael Ramy

34-181		Emergent Wetland			
Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/sq ft
American slough grass	<i>Beckmannia syzigachne</i>	0.78	0.70	14.07%	12.92
tall manna grass	<i>Glyceria grandis</i>	0.28	0.25	4.98%	6.40
rice cut grass	<i>Leersia oryzoides</i>	0.34	0.30	5.93%	3.70
	Total Grasses	1.40	1.25	24.98%	23.02
river bulrush	<i>Bolboschoenus fluviatilis</i>	0.85	0.76	15.20%	1.20
bristly sedge	<i>Carex comosa</i>	0.20	0.18	3.63%	2.00
lake sedge	<i>Carex lacustris</i>	0.07	0.06	1.19%	0.24
tussock sedge	<i>Carex stricta</i>	0.04	0.04	0.77%	0.75
least spikerush	<i>Eleocharis acicularis</i>	0.11	0.10	1.94%	2.50
marsh spikerush	<i>Eleocharis palustris</i>	0.11	0.10	2.03%	1.90
Torrey's rush	<i>Juncus torreyi</i>	0.04	0.04	0.85%	25.00
Three-square bulrush	<i>Schoenoplectus pungens</i>	0.26	0.23	4.54%	1.00
	<i>Schoenoplectus tabernaemontani</i>	0.49	0.44	8.78%	5.00
soft stem bulrush		0.06	0.05	1.02%	32.00
woolgrass	<i>Scirpus cyperinus</i>				
	Total Sedges and Rushes	2.24	2.00	39.95%	71.59
Sweet flag	<i>Acorus americanus</i>	0.31	0.28	5.53%	0.67
common water plantain	<i>Alisma triviale</i>	0.45	0.40	8.00%	9.70
marsh milkweed	<i>Asclepias incarnata</i>	0.31	0.28	5.67%	0.50
broad-leaved arrowhead	<i>Sagittaria latifolia</i>	0.34	0.30	6.07%	6.80
giant bur reed	<i>Sparganium eurycarpum</i>	0.55	0.49	9.80%	0.09
	Total Forbs	1.96	1.75	35.07%	17.76
	Totals:	5.60	5.00	100.00%	112.37
Purpose:	Emergent wetland restoration for use in wetland mitigation, shoreline restoration, wet stormwater ponds where emergent vegetation is desired.				
Planting Area:	Statewide				

● Seed Mixture 34-181 – 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 34-181 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.



Michael A. Ramy, Jr.

Signed By

01-22-17

Date