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MANUFACTURER'S CERTIFICATION

Product Name: Mn State 34-361
 Replacement: BWSR R1
 Manufacturer: Ramy Turf Products
 Contact: Michael Ramy

34-361		Riparian Northeast			
Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/sq ft
American slough grass	<i>Beckmannia syzigachne</i>	1.68	1.50	4.78%	27.64
bluejoint	<i>Calamagrostis canadensis</i>	0.07	0.06	0.19%	6.00
riverbank wild rye	<i>Elymus riparius</i>	0.56	0.50	1.57%	0.53
Virginia wild rye	<i>Elymus virginicus</i>	2.24	2.00	6.33%	3.08
tall manna grass	<i>Glyceria grandis</i>	0.28	0.25	0.80%	6.50
fowl manna grass	<i>Glyceria striata</i>	0.10	0.09	0.29%	3.00
rice cut grass	<i>Leersia oryzoides</i>	0.17	0.15	0.49%	1.93
fowl bluegrass	<i>Poa palustris</i>	0.78	0.70	2.23%	33.50
	Total Grasses	5.88	5.25	16.68%	82.18
tussock sedge	<i>Carex stricta</i>	0.04	0.04	0.13%	0.80
pointed broom sedge	<i>Carex scoparia</i>	0.07	0.06	0.21%	2.00
fox sedge	<i>Carex vulpinoidea</i>	0.22	0.20	0.65%	7.50
path rush	<i>Juncus tenuis</i>	0.03	0.03	0.09%	10.00
dark green bulrush	<i>Scirpus atrovirens</i>	0.13	0.12	0.38%	20.00
woolgrass	<i>Scirpus cyperinus</i>	0.06	0.05	0.15%	30.00
	Total Sedges and Rushes	0.56	0.50	1.61%	70.30
marsh milkweed	<i>Asclepias incarnata</i>	0.13	0.12	0.38%	0.21
flat-topped aster	<i>Doellingeria umbellata</i>	0.04	0.04	0.13%	1.00
common boneset	<i>Eupatorium perfoliatum</i>	0.06	0.05	0.16%	3.00
grass-leaved goldenrod	<i>Euthamia graminifolia</i>	0.08	0.07	0.22%	9.00
spotted Joe pye weed	<i>Eutrochium maculatum</i>	0.12	0.11	0.34%	3.70
giant sunflower	<i>Helianthus giganteus</i>	0.08	0.07	0.22%	0.25
spotted touch-me-not	<i>Impatiens capensis</i>	0.03	0.03	0.11%	0.05
blue monkey flower	<i>Mimulus ringens</i>	0.02	0.02	0.05%	13.00
giant goldenrod	<i>Solidago gigantea</i>	0.02	0.02	0.05%	1.50
blue vervain	<i>Verbena hastata</i>	0.25	0.22	0.68%	7.35
	Total Forbs	0.84	0.75	2.34%	39.06
Oats	<i>Avena sativa</i>	28.02	25.00	79.37%	11.14
	Total Cover Crop	28.02	25.00	79.37%	11.14
	Totals:	35.31	31.50	100.00%	202.67
Purpose:	Native riparian and floodplain plantings for wetland mitigation, ecological restoration, or general permanent cover after culvert or bridge work. Tolerates partial shade.				
Planting Area:	Laurentian Mixed Forest Province. Mn/DOT Districts 1, 2(east) and 3A.				

- Seed Mixture 34-361 – 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 34-361 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.



Signed By

01-22-17

Date