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MANUFACTURER'S CERTIFICATION

Product Name: Mn State 22-112  
 Replacement: MnDOT 190  
 Manufacturer: Ramy Turf Products  
 Contact: Michael Ramy

22-112		Five-year Stabilization			
Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/sq ft
<b>big bluestem</b>	<b><i>Andropogon gerardii</i></b>	<b>0.56</b>	<b>0.50</b>	<b>1.25%</b>	<b>1.83</b>
<b>Smooth Brome</b>	<b><i>Bromus inermis</i></b>	<b>6.73</b>	<b>6.00</b>	<b>14.99%</b>	<b>19.67</b>
<b>slender wheatgrass</b>	<b><i>Elymus trachycaulus</i></b>	<b>2.24</b>	<b>2.00</b>	<b>5.01%</b>	<b>5.08</b>
<b>Perennial Ryegrass</b>	<b><i>Lolium perenne</i></b>	<b>15.13</b>	<b>13.50</b>	<b>33.75%</b>	<b>67.25</b>
	Total Grasses	24.66	22.00	55.00%	93.83
<b>Alfalfa</b>	<b><i>Medicago sativa</i></b>	<b>9.53</b>	<b>8.50</b>	<b>21.25%</b>	<b>44.25</b>
<b>Alsike Clover</b>	<b><i>Trifolium hybridum</i></b>	<b>3.92</b>	<b>3.50</b>	<b>8.75%</b>	<b>54.70</b>
<b>Red Clover</b>	<b><i>Trifolium pratense</i></b>	<b>6.16</b>	<b>5.50</b>	<b>13.74%</b>	<b>34.35</b>
<b>American vetch</b>	<b><i>Vicia americana</i></b>	<b>0.56</b>	<b>0.50</b>	<b>1.26%</b>	<b>0.38</b>
	Total Forbs	20.18	18.00	45.00%	133.68
	Totals:	44.83	40.00	100.00%	227.51
Purpose:	<b>Two to five year soil stabilization with non-native species.</b>				
Planting Area:	<b>Statewide</b>				

• Seed Mixture 22-112 – 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 22-112 is labeled and packaged as specified in the MNDOT Draft Specifications and will be active at the release of the new MNDOT Specification book.

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

Signed By

01-22-17

Date