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MANUFACTURER'S CERTIFICATION

Product Name: Mn State 35-221  
 Replacement: MnDOT 330  
 Manufacturer: Ramy Turf Products  
 Contact: Michael Ramy

35-221 Dry Prairie General

Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/sq ft
<b>big bluestem</b>	<i>Andropogon gerardii</i>	<b>0.78</b>	<b>0.70</b>	<b>1.92%</b>	<b>2.57</b>
<b>side-oats grama</b>	<i>Bouteloua curtipendula</i>	<b>3.36</b>	<b>3.00</b>	<b>8.22%</b>	<b>6.61</b>
<b>blue grama</b>	<i>Bouteloua gracilis</i>	<b>0.56</b>	<b>0.50</b>	<b>1.37%</b>	<b>7.35</b>
<b>kalm's brome</b>	<i>Bromus kalmii</i>	<b>0.82</b>	<b>0.73</b>	<b>2.00%</b>	<b>2.14</b>
<b>nodding wild rye</b>	<i>Elymus canadensis</i>	<b>1.12</b>	<b>1.00</b>	<b>2.74%</b>	<b>1.91</b>
<b>junegrass</b>	<i>Koeleria macrantha</i>	<b>0.28</b>	<b>0.25</b>	<b>0.69%</b>	<b>18.37</b>
<b>little bluestem</b>	<i>Schizachyrium scoparium</i>	<b>3.36</b>	<b>3.00</b>	<b>8.22%</b>	<b>16.53</b>
<b>Indian grass</b>	<i>Sorghastrum nutans</i>	<b>0.78</b>	<b>0.70</b>	<b>1.92%</b>	<b>3.09</b>
<b>prairie dropseed</b>	<i>Sporobolus heterolepis</i>	<b>0.13</b>	<b>0.12</b>	<b>0.34%</b>	<b>0.73</b>
	Total Grasses	11.21	10.00	27.42%	59.30
<b>blue giant hyssop</b>	<i>Agastache foeniculum</i>	<b>0.07</b>	<b>0.06</b>	<b>0.17%</b>	<b>2.07</b>
<b>lead plant</b>	<i>Amorpha canescens</i>	<b>0.10</b>	<b>0.09</b>	<b>0.26%</b>	<b>0.42</b>
<b>butterfly milkweed</b>	<i>Asclepias tuberosa</i>	<b>0.07</b>	<b>0.06</b>	<b>0.17%</b>	<b>0.10</b>
<b>Canada milk vetch</b>	<i>Astragalus canadensis</i>	<b>0.07</b>	<b>0.06</b>	<b>0.18%</b>	<b>0.40</b>
<b>bird's foot coreopsis</b>	<i>Coreopsis palmata</i>	<b>0.07</b>	<b>0.06</b>	<b>0.16%</b>	<b>0.21</b>
<b>white prairie clover</b>	<i>Dalea candida</i>	<b>0.07</b>	<b>0.06</b>	<b>0.15%</b>	<b>0.39</b>
<b>purple prairie clover</b>	<i>Dalea purpurea</i>	<b>0.21</b>	<b>0.19</b>	<b>0.51%</b>	<b>1.02</b>
<b>Canada tick trefoil</b>	<i>Desmodium canadense</i>	<b>0.07</b>	<b>0.06</b>	<b>0.18%</b>	<b>0.13</b>
<b>stiff sunflower</b>	<i>Helianthus pauciflorus</i>	<b>0.07</b>	<b>0.06</b>	<b>0.17%</b>	<b>0.09</b>
<b>rough blazing star</b>	<i>Liatris aspera</i>	<b>0.04</b>	<b>0.04</b>	<b>0.12%</b>	<b>0.25</b>
<b>wild bergamot</b>	<i>Monarda fistulosa</i>	<b>0.07</b>	<b>0.06</b>	<b>0.15%</b>	<b>1.42</b>
<b>stiff goldenrod</b>	<i>Oligoneuron rigidum</i>	<b>0.07</b>	<b>0.06</b>	<b>0.15%</b>	<b>0.83</b>
<b>large-flowered beard tongue</b>	<i>Penstemon grandiflorus</i>	<b>0.07</b>	<b>0.06</b>	<b>0.17%</b>	<b>0.32</b>
<b>black-eyed susan</b>	<i>Rudbeckia hirta</i>	<b>0.35</b>	<b>0.31</b>	<b>0.84%</b>	<b>10.32</b>
<b>gray goldenrod</b>	<i>Solidago nemoralis</i>	<b>0.04</b>	<b>0.04</b>	<b>0.10%</b>	<b>3.86</b>
<b>heath aster</b>	<i>Symphyotrichum ericoides</i>	<b>0.04</b>	<b>0.04</b>	<b>0.10%</b>	<b>2.58</b>
<b>smooth aster</b>	<i>Symphyotrichum laeve</i>	<b>0.07</b>	<b>0.06</b>	<b>0.17%</b>	<b>1.26</b>
<b>hoary vervain</b>	<i>Verbena stricta</i>	<b>0.15</b>	<b>0.13</b>	<b>0.34%</b>	<b>1.29</b>
	Total Forbs	1.68	1.50	4.09%	26.96
<b>Oats</b>	<i>Avena sativa</i>	<b>28.02</b>	<b>25.00</b>	<b>68.49%</b>	<b>11.13</b>
	Total Cover Crop	28.02	25.00	68.49%	11.13
	Totals:	40.91	36.50	100.00%	97.39
Purpose:	General dry prairie mix for native roadsides, ecological restoration, or conservation program plantings.				
Planting Area:	Tallgrass Aspen Parklands, Prairie Parkland, and Eastern Broadleaf Forest Provinces. Mn/DOT Districts 2(west), 3B, 4, Metro, 6, 7 & 8.				

- Seed Mixture 35-221 – Mn Specification

Ramy Turf Products is a MCI A 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 35-221 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