

**Corporate Office**  
 1329 N. Riverfront Dr.  
 Mankato, MN 56001  
 Phone (507) 387-4091  
 Fax: (507) 387-7033



**Sales Office**  
 731 N. Prior Ave  
 Saint Paul, MN 55104  
 Phone: (651) 917-0939  
 Fax: (651) 917-0111

MANUFACTURER'S CERTIFICATION

Product Name: Mn State 36-411  
 Replacement: New Mixture, Not a Replacement  
 Manufacturer: Ramy Turf Products  
 Contact: Michael Ramy

36-411 Woodland Edge Northwest

Common Name	Scientific Name	Rate (kg/ha)	Rate (lb/ac)	% of Mix (% by wt)	Seeds/sq ft
big bluestem	<i>Andropogon gerardii</i>	0.56	0.50	1.42%	1.85
side-oats grama	<i>Bouteloua curtipendula</i>	1.12	1.00	2.81%	2.20
fringed brome	<i>Bromus ciliatus</i>	0.84	0.75	2.12%	3.04
kalm's brome	<i>Bromus kalmii</i>	2.24	2.00	5.64%	5.88
bluejoint	<i>Calamagrostis canadensis</i>	0.07	0.06	0.18%	6.40
poverty grass	<i>Danthonia spicata</i>	0.43	0.38	1.06%	3.46
nodding wild rye	<i>Elymus canadensis</i>	1.12	1.00	2.81%	1.91
slender wheatgrass	<i>Elymus trachycaulus</i>	1.12	1.00	2.81%	2.53
Virginia wild rye	<i>Elymus virginicus</i>	1.96	1.75	4.93%	2.70
little bluestem	<i>Schizachyrium scoparium</i>	0.07	0.06	0.18%	0.35
Indian grass	<i>Sorghastrum nutans</i>	0.56	0.50	1.40%	2.19
	Total Grasses	10.09	9.00	25.36%	32.50
common yarrow	<i>Achillea millefolium</i>	0.03	0.03	0.09%	2.00
blue giant hyssop	<i>Agastache foeniculum</i>	0.13	0.12	0.35%	4.10
lead plant	<i>Amorpha canescens</i>	0.03	0.03	0.09%	0.15
Tall Thimbleweed	<i>Anemone virginiana</i>	0.03	0.03	0.08%	0.30
columbine	<i>Aquilegia canadensis</i>	0.03	0.03	0.08%	0.40
prairie sage	<i>Artemisia ludoviciana</i>	0.03	0.03	0.09%	2.90
white prairie clover	<i>Dalea candida</i>	0.07	0.06	0.16%	0.40
purple prairie clover	<i>Dalea purpurea</i>	0.20	0.18	0.51%	1.00
flat-topped aster	<i>Doellingeria umbellata</i>	0.03	0.03	0.09%	0.80
ox-eye	<i>Heliopsis helianthoides</i>	0.04	0.04	0.12%	0.10
stiff goldenrod	<i>Oligoneuron rigidum</i>	0.07	0.06	0.17%	0.91
smooth wild rose	<i>Rosa blanda</i>	0.11	0.10	0.28%	0.10
black-eyed susan	<i>Rudbeckia hirta</i>	0.35	0.31	0.86%	10.35
upland white aster	<i>Solidago ptarmicoides</i>	0.07	0.06	0.16%	1.30
tall meadow-rue	<i>Thalictrum dasycarpum</i>	0.15	0.13	0.35%	0.92
American vetch	<i>Vicia americana</i>	0.15	0.13	0.37%	0.10
golden alexanders	<i>Zizia aurea</i>	0.15	0.13	0.36%	0.51
	Total Forbs	1.68	1.50	4.21%	26.33
Oats	<i>Avena sativa</i>	28.02	25.00	70.43%	11.14
	Total Cover Crop	28.02	25.00	70.43%	11.14
	Totals:	39.79	35.50	100.00%	69.96
Purpose:	Partly shaded grassland planting for native roadsides, reclamation, etc.				
Planting Area:	Tallgrass Aspen Parklands Province. Mn/DOT District 2(west).				

- Seed Mixture 36-411 – 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 36-411 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