

**2017 Roundup Ready Alfalfa Variety Trial at Minot**

North Central Research Extension Center

Company	Variety	Fall	Winter	Plant	Plant	Harvest	Total Yield				
		Dormancy	Hardiness	Stand <sup>3</sup>	Height	Moisture	2017	2016	2015	Average	% Vernal
		1 - 11 <sup>1</sup>	1 - 6 <sup>2</sup>	%		%	Tons / acre <sup>4</sup>			%	
Common	Vernal	2	1	99	21	61	1.31	1.96	0.56	1.28	100
Pioneer	54QR04	4	2	99	22	64	1.15	2.03	0.59	1.26	98
Legend	MegaMaxx	4	2	96	18	61	1.10	1.97	0.51	1.19	93
Monsanto	DKA 44-16	4	2	99	20	63	0.94	2.11	0.46	1.17	91
Monsanto	DKA 40-51	4	2	92	19	63	0.85	2.00	0.45	1.10	86
Croplan	Stratica	4	2	99	19	60	0.87	1.78	0.57	1.07	84
Croplan	Presteez	3	1	99	19	63	0.93	1.83	0.41	1.06	83
Allied	428	4	1	87	19	61	0.88	1.78	0.43	1.03	80
Integra	8444	4	--	99	16	63	0.77	1.78	0.54	1.03	80
Trial Mean				96	19	62	0.98	1.91	0.50	--	--
C.V.%				9.2	13.7	6.2	17.3	9.3	17.6	--	--
LSD 0.05				NS	NS	NS	0.25	NS	0.13	--	--

<sup>1</sup>Fall Dormancy: 1 = very dormant, 11 = very non dormant (see description below).

<sup>2</sup>Winter Hardiness: 1 = extremely winterhardy, 6 = non-winterhardy.

<sup>3</sup>Plant Stand: Visual estimation of winter survival.

<sup>4</sup>Yields are stated on a 0% moisture basis.

NS = no statistical difference between varieties.

*Planting Date: May 28, 2015*

*Harvest Date: June 28*

*Soil Type: Williams Loam*

*Note: The 2017 trial sustained severe drought.*

*Fall dormancy is the ability of alfalfa to grow tall in the fall. It is measured by determining plant height about 25 days after a fall cutting is taken following a spring planting. The advantage of growing less fall dormant varieties is higher yields.*