

Roundup Ready Alfalfa Variety Trial at Minot

Company	Variety	Plant Stand*	----- 1st cutting -----		----- 2nd cutting ----		----- Total Yield -----			
			Harvest Moisture	Yield	Harvest Moisture	Yield	2015	2016	Avg	% Vernal
		%	%	tons/A**	%	tons/A**				%
Pioneer	54QR04	99	74	1.07	75	0.96	0.59	2.03	1.31	104
Monsanto	DKA 44-16	99	75	1.27	76	0.84	0.46	2.11	1.29	102
Common	Vernal	99	74	1.18	76	0.78	0.56	1.96	1.26	100
Legend	MegaMaxx	99	74	1.18	76	0.79	0.51	1.97	1.24	98
Monsanto	DKA 40-51	99	75	1.13	76	0.87	0.45	2.00	1.22	97
Croplan	Stratica	99	74	1.06	76	0.72	0.57	1.78	1.17	93
Integra	8444	99	74	1.07	75	0.70	0.54	1.78	1.16	92
Croplan	Presteez	99	74	1.14	76	0.69	0.41	1.83	1.12	89
Allied	428	99	74	1.04	75	0.74	0.43	1.78	1.10	88
Trial Mean		99	74	1.13	76	0.79	0.5	1.91	--	--
C.V.%		0.0	2.2	11.9	1.8	15.4	17.6	9.3	--	--
LSD 0.05		NS	NS	NS	NS	NS	0.13	NS	--	--

*Plant Stand: Visual estimation of winter survival.

**Yields are stated on a 0% moisture basis.

NS = no statistical difference between varieties.

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			Harvest Moisture	Yield	Harvest Moisture	Yield	2015	2016	Avg	% Vernal
		%	%	tons/A**	%	tons/A**				%
Dow	CWA114030	99	76	1.29	76	1.04	0.67	2.33	1.50	112
Allied	FSG 329	99	76	1.23	76	1.01	0.71	2.24	1.47	110
Pioneer	54B66	99	74	1.14	75	0.97	0.68	2.11	1.40	104
Millborn	Phirst Extra Hyb	93	75	1.19	76	0.91	0.66	2.10	1.38	103
Millborn	Persist III	99	75	1.21	76	0.88	0.65	2.09	1.37	102
Allied	Ladak II	99	75	1.14	75	1.03	0.56	2.17	1.36	102
Common	Vernal	99	75	1.11	76	0.94	0.63	2.06	1.34	100
Dyna-Gro	DG4210	99	75	1.13	76	0.85	0.59	1.98	1.29	96
Integra	8420	97	75	1.20	76	0.84	0.52	2.04	1.28	96
Dow	HybriForce-3400	99	75	1.08	76	0.92	0.55	2.00	1.28	95
Pioneer	55V50	94	75	1.05	76	0.91	0.56	1.96	1.26	94
Dow	CW105006	99	75	1.12	75	0.79	0.60	1.91	1.25	94
Legend	Crave	99	75	1.12	76	0.82	0.57	1.94	1.25	94
Dow	4A420	99	75	1.19	76	0.73	0.55	1.92	1.23	92
Croplan	LegenDairy	98	76	1.07	76	0.80	0.52	1.87	1.19	89
Dow	CW103012	99	76	1.02	77	0.78	0.52	1.80	1.16	87
Pioneer	55Q27	99	75	1.03	77	0.73	0.54	1.77	1.15	86
Trial Mean		98	75	1.14	76	0.88	0.59	2.02	--	--
C.V.%		3.7	2.0	10.4	1.3	19.7	20.4	10.1	--	--
LSD 0.05		NS	NS	NS	NS	NS	0.17	0.29	--	--

*Plant Stand: Visual estimation of winter survival.

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NS = no statistical difference between varieties.

Planting Date: May 28, 2015

Harvest Date: 1st cutting = June 13, 2nd cutting = July 26

Soil Type: Williams Loam