

Irrigated Alfalfa Variety Trial
WREC, Nesson Valley, ND 2017

Conventional Varieties		Yield	Yield	2017 Yield				2 yr Avg
Cultivar	Company	2015	2016	1st cut	2nd cut	3rd cut	2017 total	2016-17
		tons/a	tons/a	-----tons/a-----				tons/a
FSG 329	Allied	2.5	9.9	3.0	4.0	2.4	9.4	9.7
Persist III	Millborn	2.6	10.2	3.0	3.3	2.3	8.6	9.4
Crave	Legend	3.1	9.5	3.3	3.5	2.4	9.2	9.4
LegenDairy	Croplan	3.0	8.8	3.6	3.7	2.5	9.8	9.3
DG4210	Dyna-Gro	2.0	9.4	3.0	3.3	2.8	9.1	9.3
Phirst Extra Hybrid	Millborn	2.4	9.3	3.1	3.6	2.5	9.2	9.2
HybriForce-3400	Dow	2.8	9.5	3.4	2.9	2.4	8.7	9.1
AFX 429	Dow	2.1	9.4	3.2	3.1	2.5	8.8	9.1
4A420	Dow	3.0	9.6	3.0	3.1	2.3	8.4	9.0
Ladak II	Allied	2.3	8.8	2.7	3.9	2.3	8.9	8.9
Vernal	Millborn	2.6	9.5	3.3	3.0	1.9	8.2	8.9
AFX 469	Dow	2.6	8.7	2.9	3.7	2.4	9.0	8.9
55V50	Pioneer	2.3	9.1	2.7	3.2	2.2	8.1	8.6
AFX 457	Dow	2.8	8.8	2.0	3.6	2.4	8.0	8.4
54B66	Pioneer	2.6	8.6	2.6	3.1	2.3	8.0	8.3
55Q27	Pioneer	3.0	8.9	2.5	2.8	2.3	7.6	8.3
8420	Integra	2.6	8.7	2.4	2.6	1.6	6.6	7.7
HIGH MEAN		3.1	10.2	3.6	4.0	2.8	9.8	9.7
LOW MEAN		1.9	8.6	2.0	2.6	1.6	6.6	7.7
EXP MEAN		2.6	9.2	2.9	3.3	2.3	8.6	8.9
C.V. %		28.4	-	23.6	17.7	19.5	-	-
LSD 5%		1.0	-	1.0	0.8	0.5	-	-

<u>Roundup Ready Varieties</u>		Yield	Yield	2017 Yield				2 yr Avg
		2015	2016	1st cut	2nd cut	3rd cut	2017 total	2016-17
Cultivar	Company	tons/a	tons/a	-----tons/a-----				tons/a
DKA40-51	Monsanto	3.4	9.9	4.1	3.2	1.9	9.2	9.6
Stratica	Croplan	3.2	10.3	3.6	2.8	2.0	8.4	9.4
Presteez	Croplan	3.8	10.2	4.1	2.5	1.7	8.3	9.3
DKA44-16	Monsanto	3.4	10.0	3.3	3.0	2.0	8.3	9.2
MegaMaxx	Legend	3.5	10.0	3.2	2.9	2.0	8.1	9.1
54QR04	Pioneer	3.6	9.5	3.2	3.0	2.1	8.3	8.9
428	Allied	3.3	9.4	3.3	2.8	2.1	8.2	8.8
8444	Integra	3.0	8.3	3.2	2.4	2.0	7.6	8.0
HIGH MEAN		3.8	10.3	4.1	3.2	2.1	9.2	9.6
LOW MEAN		2.4	8.3	3.1	2.3	1.7	7.6	8.0
EXP MEAN		3.3	9.7	3.5	2.8	2.0	8.3	9.0
C.V. %		22.0	-	15.5	22.4	16.6	-	-
LSD 5%		n.s.	-	0.8	n.s.	n.s.	-	-

Location: Latitude 48 9.9222°N; Longitude 103 6.132°W; Elevation 1902 f
Planted: 5/25/2015