Table 1. Selected alfalfa varieties reported in this publication.

					Dryland												Irrigated				
					Dickinson			Fargo			Minot			Williston			Carrington			Sidney, MT[4]	
Variety	Approval or release date	Agent or origin	Fall dormancy rating[1]	Winter survival rating[2]	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005
					Yield % of Vernal															Yield % of Ladak 65	
361HY	2005	BioPlant Research	4	-						96								107	94		
381HY				-				101	107	102								100	96		
4A421	2003	Mycogen Seeds	4	2.5				102	105	100							97	96	103		
5151	1991	Pioneer Hi-Bred International Inc	1	-																	
5246*	1991	Pioneer Hi-Bred International Inc	3	-																	
53Q60	1998	Pioneer Hi-Bred International Inc	3	3.0				97													
53V08	1998	Pioneer Hi-Bred International Inc	3	-																	
54H91	2002	Pioneer Hi-Bred International Inc	4	3.0				104	106												
54Q25	2002	Pioneer Hi-Bred International Inc	4	-				98	98	103							98				102
54V46	2003	Pioneer Hi-Bred International Inc	4	3.0				100	106	102							101				
54V54	2001	Pioneer Hi-Bred International Inc	4	2.5				99													
620	1993	Garst Seed Company	2	2.5				102	106	101							111				
6200HT	2003	Garst Seed Company	3	2.0				106	104	99											
631	1992	Garst Seed Company	4	3.5																	
6400HT	2003	Garst Seed Company	4	2.4				102	100	96	110	92	74				106				106
6415	2004	Garst Seed Company	4	2.5						97											
6420	1999	Garst Seed Company	4	-																120	121
6443RR[3]	2005	Garst Seed Company	4	-						87											
645-II	2000	Garst Seed Company	3	-				100	104	95							103				
A30-06	2000	PGI Alfalfa	3.5	2.0						93	119	112	118							118	
Abound	1998	Monsanto	3	2.5																111	
AC Yellowhead (SCMF3713)	2005	Agriculture and Agri-Food Canada	1	-																	
Alaska Syn A	exp	University of Alaska/USDA-ARS	1	-																	
Alfagraze	1989	University of Georgia	2	-																	
Alliant	1999	Monsanto	4	2.8																116	
AmeriGraze 401 +Z	1996	America's Alfalfa	4	-																	
AmeriStand 201+Z	2000	America's Alfalfa	2	1.7																	
AmeriStand 403T	2001	America's Alfalfa	4	2.0				100	109	99				99	92	96				120	125
Anik	1975	Agriculture and Agri-Food Canada	1	-																	
Ascend 552	2002	Kussmaul Seed Company	-	-																129	
B-36	exp	USDA-ARS	3	-																	
Boulder	2003	Forage Genetics/Syngenta	4	-																	106
Bullseye	2002	ABI	4	-						98											
C-27	exp	USDA-ARS/Colorado Exp Station	1	-																	
C-31	exp	USDA-ARS/Colorado Exp Station	1	-																	
Cimaron VL 410 (9900)	2008	Great Plains Research Company	4	-				102	89	105										124	
CK2000		Great Plains Research Company		-				99	112												
Cooper	2004	MT State U /Thomas Helm	3	-																113	112
DAK34-17RR[3]	2005	Dekalb	3	-						85											
Dakota	2002	Great Plains Research Company	4	3.5																	
DK134	1999	Monsanto	3	2.5																	
DKA42-15	2001	Monsanto	4	2.5																126	
DS204 HYB	2002	Dairyland Seed Co. Inc.	4	-						93								111	100		
eXtreme	2003	LG Seeds	3	-				103	104	102											
Feast+EV	1999	Garst/AgriPro Brand Seeds	3	2.0				102	102												

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					Yield % of Vernal															Yield % of Ladak 65	
GoldLeaf	2001	Cascade Hybrid	3	3.0							86	104	97								
Goliath	1998	Allied Seed LLC	4	-																111	
Haymaker II Supreme	1997	Kusemaul Seed Company	3	-										96	100	102					
HybriForce-400	2001	Dairyland Seed Co. Inc.	4	3.0				100	103											122	119
HybriForce-420/wet	2003	Dairyland Seed Co. Inc.	4	3.0				106	107	105							98			124	115
IChg04	exp	Great Plains Research Company		-														111	101		
Impressive (FGI31Q109)	2006	Forage Genetics/ UAP	3	-														93	100		
Innovator+Z	1994	America's Alfalfa	3	2.5																	
Ladak 65	1965	Westland	3	-																100	100
Ladak DL	2004	ABI	3	-																115	121
LegenDairy YPQ	2000	Croplan Genetics	3	-				107	107		114	96	85	97	97	104					
Lightning Xtra	2004	Forage Genetics/Preferred Seeds	4	-																	105
Magnum V	1995	Dairyland Seed Co. Inc.	4	3.0																	
Mandan 3851	exp	USDA-ARS	1	-																	
Mariner II	2000	Allied Seed LLC	3	2.0																121	
Masterpiece	2000	JR Simplot Company	4	-																	
Maxigraze GT	1996	Croplan Genetics	2	2.0										96	105	104					
MegaTon 3.0	-	PGI Alfalfa Inc	-	-				105	106												
Melton (MT9321)	2005	Montana State University	4	-																	
Millennia	1998	United Agri Products Inc	4	-																	
Monument II	2000	Green Genes Inc	3	3.0																118	
Mountaineer 2.0 (4M124)	2004	Croplan Genetics	5	-										104	97	103					
Plumas	1996	Integra	4	-																112	119
Rangelander	1980	Agriculture and Agri-Food Canada	1	-	101	104	97														
REA 401T	2001	REA Hybrids	4	2.5										99	110	99					
Rebel	2000	Target Seed LLC	4	-																120	110
Rebound 5.0	2005	Cropland Genetics	4	2.5																	106
Reliance	2000	Allied Seed LLC	3	2.5																121	
Riley	1977	Kansas Ag Experiment Station (Public)	4	-																92	
Roamer	1967	Agriculture Canada		-																	
Rugged	2002	Target Seed LLC	3	1.5																124	129
Select	1999	United Agri Products Inc	4	-																	
Shaw	2001	MSU/USDA NRCS MT Plant Materials Center (Public)	3	-																114	111
Somerset	2000	Syngenta	3	2.5				97	100	93											
Spredor 3	1994	Northrup-King	1	-	87	93	93														
Sustain		Kusemaul Seed Company		-										90	105	106					
Trac Max		Gold Country Seed Company	4	-							105	138	118								
Travios	1963	South Dakota State University	2	-	77	102	99														
Ultra	1986	Integra	-	-																	
Vernal	1953	WI AES/USDA (Public)	2	2.0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
Winter Crown	1999	BioPlant Research	3	-																	
WL319HQ	2002	W-L Research Inc	3	2.0				104	99	93	114	92	82					97	98	122	119
WL325HQ		W-L Research Inc	3	3.0																	
WL327	1999	W-L Research Inc	4	-				97												113	

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					Yield % of Vernal															Yield % of Ladak 65	
WL342	2001	W-L Research Inc	4	-				95													
Wrangler	1984	NE AES/USDA (Public)	2	-																114	110
X202		United Agri Products Inc		-						92								96	98		
XTRA-3	2002	Forage Genetics/Wilbur Ellis	4	-																117	113
ZG9415	1996	ABI Alfalfa	2	-																	
ZG9830	1996	ABI	-	1.5																	
ZS-0441GX-1		ABI		-						97											

[1] Fall dormancy scale: 1 = least fall growth; 9 = greatest fall growth.

[2] Winter survival index is determined in University of Wisconsin and University of Minnesota trials, courtesy of Dr. Dan Undersander, UW: 1 = superior winter survival, 2 = very good, 3 = good, 4 = adequate, 5 = low, 6 = no winter survival

[3] Roundup Ready™ varieties

[4] Ladak 65 is the comparison variety at Sidney, MT.

* Discontinued