



2008

# Washington State Hay Growers Association

ALFALFA VARIETY

YIELD TRIALS

Conducted by Washington State  
University Extension

Washington State University Extension  
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# Washington State Hay Growers Association

## Alfalfa Variety Trials

### Conducted by Washington State University Extension

**Phil Petersen, PhD<sup>1</sup>, and John Kugler, PhD<sup>2</sup>.**

Six alfalfa trials were harvested for yield in irrigated central Washington State in 2008. The Washington State Hay Growers Association (WSHGA) sanctions the trials and contracts with Washington State University (WSU) Extension to conduct and report the research. Three trials are conducted near Othello, WA and three trials at two locations near Pasco, WA.

The Othello site is located on the WSU Othello research farm 6 miles ESE of Othello, WA at Lat: N46°47'41 Lng: W119°02'33 and at an elevation of 1154 feet. One Pasco site is located on Selph Landing Road about 8 miles North of Pasco, WA at Lat: N46°.19'75, Lng: W119°09'94 at an elevation of 457 feet, the other west of Garfield Road at Lat: N46° 28'999, Lng: W119° 06'852.

The soils are a Shano silt loam (coarse-silty, mixed-mesic Xerollic Camborthids) at Othello, a Quincy loamy fine sand at Selph Landing and a Sagehill very fine sandy loam at the Garfield Road location. All trials were sprinkler irrigated throughout the April-October growing season. The frost-free (32°F) period at Othello averages 180 days and 209 days at Pasco.

Each trial is arranged in a randomized complete block (RCB) design with 4 replications. All are seeded at about 15 lbs/ac in rows spaced 6 inches apart with a 1-foot inter-plot separation. Plot size is 4 x 15 feet. The trials contain some experimental entries that are not available for commercial planting. Forage yields are taken for three years on each planting.

Forage yields for each harvest and total season yield for 2008 and the totals for all years of the trials to date are reported in Tables 4 through 9. Yields are determined from whole plot fresh weights converted to a dry matter basis using a constant dry matter fraction.

Tables 1 and 2 contain a summary of yields for alfalfa varieties that have been tested for three years at the Pasco and Othello locations. Yields are presented in percent of mean of the test for ease of comparison. Table 3 provides information on dormancy, pest resistance, and seed marketers for the same varieties.

<sup>1</sup>WSU Extension Educator, Grant-Adams Counties, and <sup>2</sup>WSU Extension Educator (retired), Grant-Adams Counties, respectively.



**Table 1: 2008 Summary of Alfalfa Yield Trials -- Pasco, Washington (released varieties)**

Pasco, Washington Seeded September, 1998				Pasco, Washington Seeded August, 1999				Pasco, Washington Seeded August, 2000				Pasco, Washington Seeded August, 2001				Pasco, Washington Seeded August, 2002				Pasco, Washington Seeded August, 2003				Pasco, Washington Seeded August, 2004				Pasco, Washington Seeded August, 2005									
Entry	1999	2000	2001	3 Yr.	2000	2001	2002	3 Yr.	2001	2002	2003	3 Yr.	2002	2003	2004	3 Yr.	2003	2004	2005	3 Yr.	2004	2005	2006	3 Yr.	2005	2006	2007	3 Yr.	2006	2007	2008	3 Yr.					
512									99.3%	100.1%	105.5%	101.3%	106.1%	104.9%	108.7%	106.3%					98.1%	97.5%	94.0%	96.5%	98.5%	94.3%	90.9%	94.3%									
9429																				99.5%	105.7%	101.3%	102.1%	99.1%	95.6%	94.2%	96.3%										
5 Star										99.9%	107.3%	111.9%	105.9%																								
40W203																																					
50W210																																					
53V08	102.5%	103.3%	109.2%	104.8%	103.5%	107.2%	111.3%	106.9%	103.4%	101.0%	110.6%	104.7%	94.3%	103.5%	104.9%	100.7%																					
54H11																																					
54Q25					101.7%	110.8%	116.3%	108.8%						101.2%	104.5%	111.0%	105.1%	101.2%	103.9%	107.6%	103.4%	105.8%	104.0%	101.1%	103.5%	99.0%	102.4%	99.9%	100.6%	96.1%	100.1%	91.8%	96.7%				
55H05																					100.4%	101.1%															
AA207W																																					
AA208W																																					
AA209W																																					
AAA210W																																					
Allian														102.6%	99.7%	108.0%	102.9%																				
Ameristand 403T														104.0%	102.3%	107.6%	104.3%						101.9%	98.2%	95.3%	98.4%											
Ameristand 444NT																																					
Archer II	101.7%	102.5%	101.0%	101.8%																		97.3%	101.6%	97.0%	98.5%												
Barrafa 53 HR														99.9%	101.4%	102.9%	101.0%																				
Boulder																					106.2%	103.2%	104.1%	104.5%	100.0%	101.3%	100.7%	100.7%	103.7%	102.6%	101.7%	102.8%					
Bullseye																				100.2%	99.7%	92.1%	97.1%														
Cimarron SR									99.1%	102.5%	98.5%	100.0%																									
DKA42-15										105.5%	107.4%	117.2%	109.3%									102.7%	97.7%	103.6%	101.4%												
DKA 43-13																																					
DKA 50-18																				104.9%	103.3%	108.0%	105.5%														
Dynamic														101.1%	98.9%	98.9%	99.9%																				
Escalade																																					
Expedition																				101.2%	99.4%	113.0%	104.9%														
FG41M120																																					
FG41W206																																					
FG42W205																																					
FSG505																																					
Genoa																																					
GrandStand																																					
Lariat																																					
LegenDairy 5.0																				98.3%	97.2%	105.3%	100.5%														
Lobo	101.7%	96.7%	94.9%	98.0%	99.1%	96.4%	102.5%	99.0%	99.5%	99.9%	101.9%	100.4%																									
Magnum V	100.8%	95.9%	90.8%	96.2%					100.4%	101.3%	93.6%	98.7%																									
Masterpiece					105.2%	113.5%	122.5%	112.7%																													
Mountaineer 2.0																					101.4%	106.4%	108.2%	105.4%													
Perfect	104.2%	105.8%	116.3%	108.3%																																	
Phoenix									103.5%	108.1%	115.0%	108.2%	103.4%	102.4%	109.4%	104.8%	103.3%	105.1%	112.8%	106.5%	103.9%	101.4%	99.2%	102.1%	104.1%	99.9%	99.1%	99.7%	104.5%	100.7%							
Plumas										106.3%	100.1%	101.5%	102.9%																								
Radiant																				103.4%	95.9%	93.2%	97.8%														
Rebound 5.0																																					
Recover																				103.4%	99.4%	94.6%	100.2%														
Reward II																																					
Robust T&N																																					
Samurai	92.2%	98.2%	106.3%	98.0%																																	
SW3304																																					
SW4310																																					
SW 4328																																					
SW 435																																					
Tango	101.7%	101.7%	101.0%	101.5%	103.5%	100.9%	102.5%	102.3%						100.3%	101.0%	100.9%	100.7%																				
Vernal	87.3%	85.1%	79.6%	84.3%	87.8%	83.8%	81.3%	84.6%	89.9%	90.9%	78.8%	87.0%	91.3%	79.7%	64.5%	79.7%	87.1%	73.2%	75.5%	79.8%	85.3%	92.1%	88.7%	88.7%	97.3%	89.6%	84.5%	90.1%	82.9%	75.8%	76.8%	78.6%					
Vernema	99.2%	91.7%	82.7%	91.7%	102.6%	91.0%	88.8%	94.8%	94.5%	92.0%	87.5%	91.7%	100.5%	90.4%	76.8%	90.3%																					
Whitney																																					
WinterGold														106.9%	106.1%	107.6%	106.8%																				
WL 327					102.6%	104.5%	105.0%	103.9%						106.9%	101.6%	105.1%	104.3%																				
WL 342																				98.7%	107.9%	110.2%	105.3%														
WL 357HQ																																					
XTRA-3														104.2%	104.8%	107.2%	105.3%																				
AV-TAC	11.8	12.1	9.8	11.2	11.5	11.1	8.0	10.2	10.4	8.7	7.7	9.0	8.1	9.3	8.7	8.7	9.9																				



**Table 2: 2008 Summary of Alfalfa Yield Trials -- Othello, Washington (released varieties)**

Entry	Othello, Washington				Othello, Washington				Othello, Washington																					
	1999	2000	2001	3 Yr.	2001	2002	2003	3 Yr.	2002	2003	2004	3 Yr.	2003	2004	2005	3 Yr.	2004	2005	2006	3 Yr.	2005	2006	2007	3 Yr.	2006	2007	2008	3 Yr.		
512					98.5%	104.3%	107.5%	105.2%	101.0%	101.9%	106.9%	102.6%					93.5%	99.1%	99.2%	97.3%	99.70%	96.30%	94.70%	97.00%						
6420																														
9429																	101.3%	96.3%	93.7%	97.5%	97.4%	89.3%	90.8%	92.4%						
53V08	95.2%	109.1%	112.9%	106.7%	101.5%	101.1%	106.2%	102.8%	102.2%	105.1%	112.9%	105.7%																		
54Q25									104.3%	106.2%	107.7%	105.7%	102.6%	108.2%	108.6%	106.1%	100.5%	102.3%	106.5%	103.1%	101.00%	102.30%	100.50%	101.30%	98.4%	103.1%	99.2%	100.2%		
55H05													102.0%	110.2%	101.0%	104.0%														
AA207W																														
AA208W																														
AA209W																														
AA210W																														
A30-06													98.6%	97.7%	90.7%	96.3%														
Abundance																														
Alliant													105.2%	100.2%	103.5%	102.8%														
Ameristand 403T													94.9%	95.8%	95.8%	95.3%														
AmeriStand 444NT																														
Archer II	101.6%	105.7%	110.6%	106.3%																										
Baralfa 321 Q																														
Baralfa 42 IQ									96.2%	96.3%	97.5%	96.7%																		
Baralfa 53HR																														
Baralfa 54																														
Boulder																														
Cimarron SR									100.0%	101.1%	98.2%	99.3%																		
Dakota									100.0%	96.8%	94.8%	97.4%																		
DKA43-16																														
DKA42-15													103.7%	113.1%	113.8%	108.5%														
DS204 Hyb																														
DS218																														
DS506 Hyb																														
DS507 Hyb																														
Dynamic																														
Evermore																														
FG41M120 GrandStand																														
FG41W204																														
FG41W206																														
FG42W205																														
Forecast 1001	103.2%	103.4%	105.9%	104.2%	104.4%	104.3%	102.6%	103.3%																						
Forecast 3001									100.0%	100.0%	104.1%	101.4%																		
FSG406																														
Genoa																														
Hybri Force 400																														
Hybri Force 420																														
HybriForce 620																														
Lariat																														
LegenDairy 5.0																														
Magna 601													98.1%	103.4%	109.9%	102.7%														
Magnum V	101.6%	102.3%	101.2%	101.7%	104.4%	100.0%	102.4%	102.0%	103.2%	105.4%	108.6%	105.2%																		
Mountaineer 2.0																														
Perfect	98.4%	102.3%	100.0%	100.4%	102.7%	99.8%	102.8%	101.6%																						
Phirst																														
Plumas									97.1%	100.0%	99.6%	98.6%	97.6%	94.9%	93.3%	95.5%														
Power 4.2																														
Rebel													99.9%	97.7%	92.3%	97.2%														
Rebound 5.0																														
Reward II																	97.5%	91.2%	95.2%	95.0%										
Robust T & N																														
Ruccus													101.3%	102.0%	107.1%	102.8%														
Somerset																														
SW3304																														
Tango													104.6%	97.0%	102.6%	101.2%														
Vernal	95.2%	93.2%	89.4%	92.3%	86.8%	88.3%	82.2%	85.5%	85.8%	87.8%	80.4%	85.2%	82.2%	79.7%	80.4%	80.9%	87.3%	84.1%	67.9%	80.0%	88.20%	79.50%	71.00%	79.90%	89.3%	81.1%	82.5%	88.5%		
Vernema	98.4%	100.0%	98.8%	99.1%	100.0%	101.1%	93.8%	98.4%	96.6%	93.6%	89.5%	93.7%																		
Vitro																														
Whitney																														
WinterGold									102.9%	102.1%	100.8%	101.6%																		
WL 319HQ																														
WL 327													101.6%	100.6%	98.1%	100.3%														
WL L 342																	108.9%	106.7%	107.0%	107.5%										
WL 357HQ																														
AV-T/AC	6.3	8.8	8.5	7.9	6.8	9.4	8.6	8.3	8.1	7.7	4.9	6.9	9.0	6.3	7.1	7.5	6.8	7.6	6.7	7.0	7.6	7.5	6.9	7.3						
LSD(0.05)	6.3%	4.5%	9.4%	6.8%	8.8%	5.3%	7.8%	3.4%	7.7%	7.9%	15.0%	8.0%	6.3%	11.0%	6.2%	6.1%	9.3%	8.3%	8.6%	7.2%	7.7%	10.2%	12.1%	8.2%						
CV(%)	4.4	3.2	6.5	4.7	5.9	3.8	5.4	3.6	5.4	5.6	10.4	5.6	4.4	7.7	4.4	4.2	6.6	5.9	6.2	5.1	4	7.1	8.4	5.7						

**Table 3: 2008 Fall Dormancy & Pest Resistance Ratings for Alfalfa Varieties in these Trials\***

Variety	Contact for Marketing Information	FD	BW	VW	FW	AN	PRR	SAA	PA	BAA	SN	APH	SRKN	NRKN
		FD	BW	VW	FW	AN	PRR	SAA	PA	BAA	SN	APH	SRKN	NRKN
512	Farm Valley Brand	5	HR	R	HR	HR	HR	R	R	HR	R	R		
9429	Eureka Seeds, Inc.	4	HR	R	HR	HR	HR	R	R	HR	R	HR		
53V08	Pioneer Hi-Bred International, Inc.	3	HR	HR	HR	HR	HR	R	HR	MR	HR	LR		HR
54H11	Pioneer Hi-Bred International, Inc.	4	R	HR	HR	HR	R	R	R		R	HR		R
54O25	Pioneer Hi-Bred International, Inc.	4	HR	HR	HR	HR	HR	R	R		HR	R		HR
55H05	Pioneer Hi-Bred International, Inc.	5	R	HR	R	HR	HR	HR	HR	HR	HR	R		HR
5-Star	CROPLAN GENETICS	5	R	R	HR	R	R	R	R	R	R	R		
A30-06	PGI Alfalfa, Inc.	3	HR	HR	HR	HR	HR	R						HR
Affinity+Z	America's Alfalfa	4	HR	HR	HR	HR	HR	R			R	R		
AmeriStand 403T	America's Alfalfa	4	HR	HR	HR	HR	HR	MR	R		MR	HR		
AmeriStand 444NT	America's Alfalfa	4	R	HR	HR	HR	R	HR			HR	HR		HR
Archer II	America's Alfalfa	5	R	HR	HR	HR	R	HR	MR	HR	HR	HR		R
Baralfa 42 IQ	Barenbrug USA	4	HR	HR	HR	HR	HR	HR	R					HR
Baralfa 53HR	Barenbrug USA	5	HR	R	HR	HR	R		R		R	R		
Blazer XL	CROPLAN GENETICS	3	R	R	HR	HR	HR	HR	R		R	R		
Boulder	Syngenta	4	HR	HR	HR	HR	HR	HR			HR	R		R
Bullseye	Target Seed, LLC	4	HR	HR	HR	HR	HR	MR	LR	MR	R	MR		HR
Cimarron SR	Great Plains Research Co., Inc.	4	HR	HR	HR	HR	HR	R	HR	MR	R	MR	R	
Class	Union Seed Co.	3	HR	R	R	HR	HR	R	R	MR	R			
Dakota	Grassland Central/Northstar Seed Ltd.	4	R	MR	R	MR	HR	R		MR		MR	MR	
DKA33-16	Monsanto	3	HR	HR	HR	HR	HR	R	R			HR		R
DKA42-15	Monsanto	4	HR	HR	HR	HR	HR	R	HR		R	HR		
DKA50-18	Monsanto	5	HR	HR	HR	HR	HR	R	R		R	HR		
Dynamic	Grassland Central/Grassland West	2	HR	HR	HR	HR	HR		R			HR		R
Emperor	ABI Alfalfa, Inc.	4	HR	HR	HR	HR	HR	MR	R			HR		
Escalade	Allied Seeds, L.L.C	5	HR	R	R	R	MR	R			R			
Evermore	Allied Seed/Southern States	5	HR	HR	HR	HR	HR	HR	R		R	HR		MR
Expedition	Syngenta	5	R	HR	HR	HR	HR	R			R	HR		R
Forecast 1001	Dairyland Seed Co., Inc.	4	R	HR	R	R	R	MR	R	MR	R	R		HR
Forecast 3001	Dairyland Seed Co., Inc.	3	HR	R	HR	R	HR	R			R	R		R
FSG406	Allied Seeds, L.L.C	4	HR	HR	HR	HR	HR		R		R	HR		R
Genoa	Syngenta	4	HR	HR	HR	HR	HR	R		R	R	HR		
GrandStand	Western Farm Service	4	HR	HR	HR	HR	HR	R	HR		MR	HR		
HybridForce 420/wet	Dairyland Seed Co., Inc.	4	HR	R	HR	R	HR	R	R		HR	R		HR
Innovator+Z	America's Alfalfa	3	HR	HR	HR	HR	MR	R	S	R	R			
Key	Great Plains Research Co., Inc.	4	HR	HR	HR	HR	HR	HR	MR	MR	MR	MR	MR	
Lariat	J. R. Simplot Company	3	HR	HR	HR	HR	HR		HR		R			R
LeafMaster	Union Seed Co.	3	R	HR	HR	HR	HR	R	R		HR	MR		MR
LegenDairy 5.0	CROPLAN GENETICS	3	HR	HR	HR	HR	HR	R	R		MR	HR		R
Lobo	Eureka Seeds, Inc.	6	MR	R	HR	R	R	R	R	R	R	R		R
Magna 601	Dairyland SeedCo., Inc.	6	R	MR	HR	R	HR	R	R	R	MR	R		R
Magnum III	Dairyland Seed Co., Inc.	4	R	MR	R	MR	R	MR	R	MR	MR	LR		
Magnum V	Dairyland Seed Co., Inc.	4	HR	R	HR	R	HR	R	R	MR	R	MR		MR
Masterpiece	J. R. Simplot Company	4	HR	R	HR	HR	HR	HR	R	R	HR	R		R
Millennia	Union Seed Co.	4	HR	R	HR	HR	HR	R	R		HR	R		MR
Mountaineer 2.0	CROPLAN GENETICS	5	HR	R	HR	HR	HR	R	HR		HR	R		
MP2000	CROPLAN GENETICS	3	HR	R	HR	HR	HR	R	HR		R	HR		R
Perfect	Grassland Central/Grassland West	4	HR	HR	HR	HR	HR	R	R		R	HR		
Phirst	Cascade Hybrid/Proseed Inc.	4	HR	R	HR	HR	HR	R	R		R	R		HR
Phoenix	Allied Seeds, L.L.C	5	HR	HR	HR	HR	HR				HR	HR		R
Plumas	Eureka Seeds, Inc.	4	HR	R	HR	HR	HR	R	R		HR	R		MR
Power 4.2	Power Seeds Inc.	4	HR	R	HR	HR	HR	R	R		HR	HR		R
Radiant	Ampac Seed Co.	4	HR	HR	HR	HR	HR	R	R		R	HR		
Rainier	Syngenta	3	HR	R	HR	HR	HR	HR	HR		R	HR		R
Rebel	Target Seed, LLC	4	HR	HR	HR	HR	HR				MR			HR
Rebound 4.2	CROPLAN GENETICS	4	HR	HR	HR	HR	HR	R	R		MR	HR		
Rebound 5.0	CROPLAN GENETICS	4	HR	HR	HR	HR	HR	R	R		R	HR		R
Recover	Union Seed Co.	5	R	R	HR	R	R	R	R	R	R	R		R
Reward II	PGI Alfalfa, Inc.	4	HR	R	HR	R	HR	R	R	R	R	R		HR
Robust T&N	Gooding Seed Co., Inc.	4	R	HR	HR	HR	HR	R	HR	MR	HR	MR		R
Ruccus	Target Seed, LLC	5	R	R	HR	MR	HR	R	R	LR	R			MR
Select	Union Seed Co.	4	HR	R	HR	HR	HR	R	R	MR	HR	R		R
Somerset	Syngenta	3	HR	HR	HR	HR	HR	R			R	HR		
SW 435	S&W Seed Co.	4	HR	R	HR	HR	HR	R	HR		HR	HR		R
Tango	Eureka Seeds, Inc.	6	MR	HR	HR	HR	HR	R	HR	R	MR			R
Vernal	Public	2	R	S	MR	S	S			SN	S		MR	
Vernema	Public	4	MR	MR		LR	LR	MR						
Vitro	Eureka Seeds, Inc.	3	HR	HR	HR	HR	HR	R	R		R	R		
Whitney (FG40W203)	Eureka Seeds, Inc.	4	HR	HR	HR	HR	HR	R	HR					HR
WinterGold	L&H Seeds/Renk Seed/Tri-West Seed	4	HR	HR	HR	HR	HR	R	R	HR	R	HR		
WL 319HQ	W-L Research, Inc.	3	HR	HR	HR	HR	HR	R	HR		MR	HR		
WL 327	W-L Research, Inc.	4	HR	R	HR	HR	HR	R	R	HR	R	HR		
WL 342	W-L Research, Inc.	4	HR	HR	HR	HR	HR	R	HR		R	HR		
WL 357HQ	W-L Research, Inc.	5	HR	HR	HR	HR	HR	R				HR		
XTRA-3	Union Seed Co.	4	HR	R	HR	HR	HR	R	R	HR	R	HR		
<b>Variety</b>	<b>Contact for Marketing Information</b>	<b>FD</b>	<b>BW</b>	<b>VW</b>	<b>FW</b>	<b>AN</b>	<b>PRR</b>	<b>SAA</b>	<b>PA</b>	<b>BAA</b>	<b>SN</b>	<b>APH</b>	<b>SRKN</b>	<b>NRKN</b>

PA Pea Aphid

BAA Blue Alfalfa Aphid

SN Stem Nematode

APH Aphanomyces

SRKN Southern Root Knot Nematode

NRKN Northern Root Knot Nematode

Blank spaces indicate variety is

susceptible or has not been

adequately tested



Table 4: Three-year Forage Trial, 2005 Alfalfa Variety Trial, Pasco, Franklin Co., WA



Table 5: Three-year Forage Trial, 2005 Alfalfa Variety Trial, Othello, WA



Table 6: Two-Year Forage Yield: 2006 Alfalfa Variety Trial, Othello, Grant County, WA



Table 7: Two-Year Forage Yield-2006 Alfalfa Variety Trial Pasco, Franklin County, WA

Table 7: Two-Year Forage Yield-2006 Alfalfa Variety Trial Pasco, Franklin County, WA													
Selph Landing 06 Seeded 8/23/06													
		07 Harvest		08 Harvests									
Entry	Total	2007	2007%	Cut 1	Cut 2	Cut 3	Cut 4	2008	2008%	2-yr Total	2-Yr % Mean	6/27/2008*	10/22/08 Regrowth
Integra 8400	9.3	111.2%	3.6	2.7	1.9	1.6	9.8	113.9%	19.1	112.6%	26.0	9.8	
PGI 459	8.7	104.0%	3.1	2.6	2.0	1.6	9.3	108.7%	18.0	106.4%	28.0	7.3	
Charger (CW35006)	8.8	105.2%	2.9	2.5	2.0	1.6	9.1	106.2%	17.9	105.7%	27.8	6.8	
GrandStand	8.9	105.6%	3.0	2.5	1.8	1.5	8.9	103.3%	17.7	104.1%	25.3	8.0	
Genoa	8.6	102.7%	3.0	2.7	1.9	1.5	9.0	104.5%	17.6	103.6%	25.0	8.8	
Rebound 5.0	8.7	103.8%	3.1	2.5	1.8	1.5	8.9	103.3%	17.6	103.6%	25.8	9.8	
AmeriStand 407TQ	8.5	101.8%	2.7	2.7	2.0	1.5	8.9	104.2%	17.5	103.0%	24.5	9.0	
Marvel	8.4	100.5%	3.1	2.5	1.8	1.5	8.9	104.1%	17.3	102.3%	24.8	8.8	
54V09	8.5	101.0%	3.1	2.5	1.9	1.4	8.9	103.5%	17.3	102.3%	24.0	9.3	
SummerGold	8.6	102.7%	3.0	2.5	1.8	1.4	8.7	101.9%	17.3	102.3%	24.5	9.3	
AmeriStand 444NT	8.7	103.9%	2.8	2.4	1.9	1.5	8.6	100.7%	17.3	102.3%	26.0	10.3	
4 R 200	8.3	99.3%	2.8	2.8	1.8	1.5	8.9	104.0%	17.2	101.6%	25.5	9.0	
WL 355 RR	8.6	102.2%	2.8	2.4	1.9	1.5	8.6	100.7%	17.2	101.4%	25.0	7.5	
DKA 41-18 RR	8.4	99.9%	2.7	2.6	1.9	1.5	8.8	102.2%	17.1	101.1%	25.3	9.3	
PGI 424	8.6	103.1%	3.0	2.6	1.8	1.1	8.5	98.9%	17.1	101.0%	25.0	6.0	
Consistency 4.10 RR	8.1	97.0%	2.8	2.7	1.9	1.5	8.9	103.5%	17.0	100.3%	24.8	10.5	
Whitney	8.3	99.3%	2.7	2.5	1.8	1.6	8.7	101.1%	17.0	100.2%	26.0	9.5	
Plumas	8.4	100.1%	2.9	2.4	1.8	1.4	8.5	99.7%	16.9	99.9%	22.5	8.5	
WL 343 HQ	8.4	100.4%	2.8	2.4	1.7	1.5	8.4	98.1%	16.8	99.2%	26.0	8.8	
Integra 8401 R	8.2	97.6%	2.8	2.5	1.7	1.5	8.6	100.0%	16.8	98.8%	25.8	9.0	
DKA 34-17 RR	8.2	97.5%	2.8	2.5	1.8	1.4	8.6	100.0%	16.7	98.8%	23.8	7.5	
425 RR	8.1	96.3%	2.8	2.4	1.8	1.5	8.6	100.0%	16.6	98.1%	25.3	11.0	
Lariat	8.4	100.4%	2.7	2.3	1.7	1.4	8.1	94.7%	16.5	97.5%	25.0	11.3	
Radiant AM	8.1	96.7%	2.7	2.6	1.7	1.4	8.4	97.6%	16.5	97.1%	25.3	8.5	
DS417	8.1	96.4%	2.8	2.5	1.3	1.5	8.1	94.3%	16.2	95.4%	24.5	9.8	
Everlast	8.2	97.5%	2.7	2.3	1.6	1.4	8.0	92.9%	16.1	95.2%	23.8	9.0	
FSG 408 DP	8.0	95.9%	2.6	2.5	1.5	1.4	8.0	93.6%	16.1	94.7%	25.0	9.3	
TS5010	8.0	95.4%	2.8	2.1	1.8	1.4	8.0	93.1%	16.0	94.3%	23.3	9.8	
1S-1055	8.2	98.1%	2.7	2.1	1.7	1.3	7.7	90.3%	16.0	94.2%	23.8	9.0	
Vernal	7.1	84.4%	2.4	1.9	1.5	1.1	7.0	81.1%	14.0	82.8%	20.0	3.5	
Mean	8.4	100.0%	2.9	2.5	1.8	1.5	8.6	100.0%	17.0	100.0%	24.9	8.8	
LSD 5%	0.5	6.3	0.4	0.4	NS	0.2	0.8	9.8	1.0	100.0	1.3	1.3	
CV %	4.5	4.5	10.1	10.6	14.3	11.7	7.0	7.0	4.4	4.4	3.8	10.3	



Table 8: One-Year Forage Yield-Spring 2008 Planting Garfield Road, Franklin Co. WA

Entry	Forage Yield (Tons DM/ac)							
	2008 Harvests							
	Jun 18 08	Jul 16 08	Aug 16 08	Sept 16 08	2008	2008.0%	7/3/08	10/22/08
	Cut 1	Cut 2	Cut 3	Cut 4	Total	Mean	inches	inches
FG 44W204	2.0	1.7	2.10	1.7	7.5	105.6%	16.0	9.5
WL 363HQ	2.0	1.7	2.00	1.8	7.5	105.6%	16.0	7.3
Integra 8400	2.4	1.5	2.10	1.5	7.5	105.6%	12.8	3.5
Ameristand 444NT	2.2	1.7	2.00	1.5	7.4	104.2%	14.3	5.8
LS401	2.3	1.6	2.10	1.4	7.4	104.2%	12.5	3.5
Whitney	2.0	1.7	2.00	1.5	7.2	101.4%	14.5	7.8
54V09	2.1	1.6	2.10	1.4	7.2	101.4%	13.3	3.0
DS707-5	1.8	1.7	2.10	1.5	7.1	100.0%	14.8	5.5
GrandStand	1.9	1.6	2.00	1.6	7.1	100.0%	14.0	3.8
CW 044018	2.0	1.6	2.00	1.5	7.1	100.0%	14.0	5.5
FSG 528SF	2.1	1.5	2.00	1.4	7.0	98.6%	13.8	5.0
Archer III	2.0	1.6	2.00	1.4	7.0	98.6%	13.3	6.0
Medalist	1.9	1.6	2.00	1.5	7.0	98.6%	13.8	5.0
TS-5026	1.9	1.6	2.00	1.5	7.0	98.6%	14.5	5.5
WL 343HQ	2.0	1.6	1.90	1.5	7.0	98.6%	14.5	5.8
Rebound 5.0	2.0	1.5	1.90	1.5	6.9	97.2%	14.3	4.8
Plumas	2.1	1.6	1.90	1.3	6.9	97.2%	12.0	3.0
MasterPiece	2.0	1.6	1.90	1.4	6.9	97.2%	13.5	4.8
TS-4028	2.0	1.6	1.90	1.4	6.9	97.2%	13.5	4.8
A 5225 (CW 25006)	1.9	1.6	1.90	1.5	6.9	97.2%	14.0	6.5
Public	2.2	1.4	1.90	1.3	6.8	95.8%	11.8	4.3
IS-1055	1.7	1.6	1.90	1.4	6.6	93.0%	13.3	4.8
Mean	2.0	1.6	2.00	1.5	7.1	100.0%	13.8	5.2
LSD 5%	NS	0.2	NS	0.2	NS	NS	2.0	1.4
CV %	18.7	6.7	5.4	10.2	5.9	0.1	10.2	19.4



Table 9: One-Year Forage Yield--2007 Alfalfa Variety Trial, Othello, Grant, WA