

2010 YIELDS, LANCASTER ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 9/15/09

Note: Single year data should not be used to evaluate alfalfa varieties or choose alfalfa cultivars

		Cut 1	Cut 2	Cut 3	Cut 4	Cut 5	YEAR		% of	
		30-Apr	7-Jun	9-Jul	18-Aug	14-Sep	TOTAL		CUF101	
	FD	Dry t/a							%	
Released Varieties										
HybriForce-620	6	2.1 (1)	1.7 (5)	1.9 (1)	1.8 (3)	1.8 (4)	9.4 (1)	A	122.94	1
HybriForce-700	7	2.0 (10)	1.8 (2)	1.8 (8)	1.8 (4)	1.8 (7)	9.1 (2)	A B	119.43	2
Integra 8600	6	1.9 (13)	1.7 (4)	1.8 (2)	1.9 (1)	1.7 (15)	9.1 (3)	A B	119.02	3
HybriForce-2600(DS071842)	6	1.9 (16)	1.9 (1)	1.8 (6)	1.7 (14)	1.8 (11)	9.0 (4)	A B C	117.92	4
PGI 709	7	2.1 (2)	1.5 (20)	1.8 (5)	1.8 (6)	1.8 (9)	8.9 (6)	A B C D	116.77	5
Arriba II	7	2.0 (6)	1.7 (6)	1.7 (18)	1.7 (8)	1.7 (12)	8.9 (7)	A B C D	116.66	6
PGI 704	7	1.9 (12)	1.7 (3)	1.7 (17)	1.8 (2)	1.7 (22)	8.8 (8)	A B C D E	116.30	7
Bar 9242	8.5	1.8 (19)	1.6 (9)	1.8 (7)	1.7 (12)	1.9 (2)	8.7 (10)	A B C D E F	114.44	8
GrandSlam	8	2.0 (7)	1.6 (12)	1.6 (22)	1.7 (11)	1.8 (10)	8.7 (11)	A B C D E F	114.18	9
Pacifico	9	1.9 (15)	1.6 (7)	1.8 (3)	1.6 (19)	1.7 (14)	8.7 (12)	A B C D E F	114.08	10
HybriForce-800	8	2.1 (4)	1.4 (22)	1.7 (9)	1.7 (9)	1.7 (21)	8.7 (13)	A B C D E F G	113.88	11
WL 440HQ	6	2.1 (3)	1.5 (16)	1.6 (20)	1.7 (13)	1.7 (24)	8.6 (15)	B C D E F G	112.93	12
AmeriStand 803	8	1.9 (14)	1.5 (17)	1.7 (15)	1.6 (26)	1.8 (5)	8.5 (16)	B C D E F G	111.75	13
Medina	8.5	1.7 (20)	1.6 (13)	1.7 (10)	1.7 (10)	1.7 (13)	8.5 (17)	B C D E F G	111.37	14
Integra 8800	8	1.8 (17)	1.6 (10)	1.6 (24)	1.8 (5)	1.7 (19)	8.4 (18)	B C D E F G	111.04	15
Highline	9	1.7 (22)	1.5 (19)	1.7 (11)	1.7 (7)	1.8 (6)	8.4 (19)	B C D E F G	109.97	16
WL 363HQ	5	1.8 (18)	1.5 (15)	1.6 (21)	1.6 (24)	1.7 (17)	8.2 (20)	C D E F G H	108.09	17
Moapa 69	8	1.6 (23)	1.4 (24)	1.7 (19)	1.6 (18)	1.7 (20)	8.1 (23)	F G H I	106.10	18
Cuf 101	9	1.4 (26)	1.3 (27)	1.6 (25)	1.6 (17)	1.7 (18)	7.6 (25)	H I	100.00	19
WL-535	8	1.5 (24)	1.5 (21)	1.7 (13)	1.6 (16)	1.6 (26)	7.9 (24)	G H I	104.05	20
Variety not stated		1.4 (25)	1.3 (25)	1.5 (26)	1.6 (23)	1.7 (23)	7.5 (26)	H I	98.64	21
										22
Experimental Varieties										
										23
CW 058071	8	2.0 (8)	1.6 (11)	1.8 (4)	1.6 (20)	1.9 (1)	8.9 (5)	A B C D	117.22	24
DS077661	6	2.1 (5)	1.6 (8)	1.7 (12)	1.6 (15)	1.8 (8)	8.8 (9)	A B C D E F	116.00	25
DS067092	8	2.0 (11)	1.6 (14)	1.7 (14)	1.6 (21)	1.8 (3)	8.6 (14)	A B C D E F G	113.58	26
CW 057072	7	2.0 (9)	1.4 (23)	1.7 (16)	1.6 (27)	1.5 (27)	8.2 (21)	D E F G H	107.92	27
FG 65T077		1.7 (21)	1.5 (18)	1.6 (23)	1.6 (25)	1.7 (16)	8.1 (22)	E F G H I	106.52	28
UC451		1.4 (27)	1.3 (26)	1.5 (27)	1.6 (22)	1.7 (25)	7.4 (27)	I	97.13	29
MEAN		1.84	1.56	1.69	1.67	1.74	8.50			
CV		11.2	11.9	8.5	8.2	8.8	6.1			
LSD (0.05)		0.30	0.27	0.21	NS	NS	0.75			

Trial seeded at 25 lb/acre viable seed in Lancaster, CA.

Entries followed by the same letter are not significantly different at the 10% probability level according to Fisher's (protected) LSD.

FD = Fall Dormancy reported by seed companies.

PS: Yield data for one cut of each ear (2010 and 2011) are missing. Therefore, "Year total" data is underestimated.

Growers are encouraged to look at multiple year data (at least two).

2011 YIELDS, LANCASTER ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 9/15/09

Note: Single year data should not be used to evaluate alfalfa varieties or choose alfalfa cultivars

		Cut 1	Cut 2	Cut 3	Cut 4	Cut 5	Cut 6	YEAR	% of		
		19-May	29-Jun	25-Jul	22-Aug	3-Oct	15-Nov	TOTAL	CUF 101		
FD		Dry t/a									
Released Varieties											
HybriForce-620	6	2.51 (1)	2.65 (2)	2.28 (1)	1.91 (1)	1.26 (3)	0.81 (23)	11.43 (1)	A		118.8
GrandSlam	8	2.34 (8)	2.43 (5)	2.14 (7)	1.80 (6)	1.33 (1)	0.91 (5)	10.96 (2)	A B		113.9
PGI 709	7	2.42 (4)	2.40 (7)	2.12 (9)	1.79 (8)	1.21 (9)	0.87 (11)	10.80 (3)	B C		112.3
WL 440HQ	6	2.44 (2)	2.42 (6)	2.16 (3)	1.63 (22)	1.20 (10)	0.82 (19)	10.67 (5)	B C D		111.0
Bar 9242	8.5	2.09 (17)	2.37 (8)	2.15 (6)	1.82 (3)	1.29 (2)	0.96 (1)	10.67 (6)	B C D		111.0
Integra 8600	6	2.28 (13)	2.64 (3)	2.15 (5)	1.55 (27)	1.19 (11)	0.77 (24)	10.58 (7)	B C D E		110.0
PGI 704	7	2.27 (14)	2.60 (4)	2.06 (16)	1.76 (13)	1.17 (14)	0.68 (25)	10.53 (8)	B C D E		109.5
HybridForce-800	8	2.43 (3)	2.19 (22)	2.16 (4)	1.65 (21)	1.13 (19)	0.95 (3)	10.52 (9)	B C D E		109.3
AmeriStand 803	8	2.29 (10)	2.24 (17)	1.89 (25)	1.85 (2)	1.25 (4)	0.96 (2)	10.48 (11)	B C D E F		109.0
Arriba II	7	2.41 (5)	2.27 (14)	2.02 (19)	1.76 (12)	1.09 (23)	0.89 (8)	10.44 (12)	B C D E F		108.5
Pacifico	9	2.21 (16)	2.35 (9)	2.13 (8)	1.77 (11)	1.08 (25)	0.86 (12)	10.39 (13)	C D E F G		108.0
HybriForce-700	7	2.28 (11)	2.27 (15)	2.07 (14)	1.77 (10)	1.14 (17)	0.81 (21)	10.34 (14)	C D E F G		107.5
Integra 8800	8	2.07 (19)	2.30 (13)	2.18 (2)	1.80 (7)	1.08 (24)	0.92 (4)	10.34 (15)	C D E F G		107.5
Medina	8.5	2.05 (20)	2.33 (10)	1.97 (23)	1.72 (17)	1.25 (5)	0.82 (20)	10.13 (18)	E F G H		105.4
WL 363HQ	5	2.07 (18)	2.24 (16)	2.11 (12)	1.78 (9)	1.24 (8)	0.62 (27)	10.06 (19)	E F G H I		104.6
Moapa 69	8	1.92 (23)	2.22 (18)	2.11 (10)	1.73 (15)	1.11 (20)	0.81 (22)	9.90 (22)	G H I		102.9
Cuf 101	9	1.66 (26)	2.22 (19)	1.94 (24)	1.71 (19)	1.25 (6)	0.85 (15)	9.62 (23)	H I		100.0
WL-535	8	1.84 (24)	2.20 (21)	2.01 (20)	1.55 (26)	1.16 (15)	0.85 (14)	9.61 (24)	H I		99.9
Highline	9	1.92 (22)	2.06 (24)	1.86 (26)	1.66 (20)	1.18 (12)	0.85 (13)	9.55 (25)	I		99.2
VNS		1.69 (25)	1.90 (26)	1.83 (27)	1.62 (23)	1.03 (27)	0.83 (18)	8.89 (27)	J		92.4
Experimental Varieties											
DS071842	8	2.24 (15)	2.69 (1)	2.04 (17)	1.81 (4)	1.24 (7)	0.67 (26)	10.69 (4)	B C D		111.2
CW 058071		2.35 (7)	2.22 (20)	2.09 (13)	1.80 (5)	1.16 (16)	0.88 (9)	10.49 (10)	B C D E F		109.1
CW 057072		2.34 (9)	2.31 (11)	1.97 (22)	1.74 (14)	1.04 (26)	0.84 (16)	10.24 (16)	D E F G		106.5
DS067092	8	2.28 (12)	2.31 (12)	2.00 (21)	1.57 (25)	1.14 (18)	0.89 (6)	10.19 (17)	D E F G		106.0
DS077661	6	2.37 (6)	1.90 (25)	2.06 (15)	1.73 (16)	1.10 (22)	0.89 (7)	10.05 (20)	E F G H I		104.5
FG 65T077		2.02 (21)	2.12 (23)	2.11 (11)	1.71 (18)	1.17 (13)	0.83 (17)	9.96 (21)	F G H I		103.5
UC451		1.65 (27)	1.75 (27)	2.04 (18)	1.58 (24)	1.10 (21)	0.87 (10)	8.99 (26)	J		93.4
MEAN		2.16	2.28	2.06	1.72	1.17	0.84	10.24			
CV		10.34	6.25	9.30	8.89	14.57	8.60	4.37			
LSD (0.1)		0.27	0.17	NS	0.18	NS	0.09	0.54			

Trial seeded at 25 lb/acre viable seed in Lancaster, CA.

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