

2017-2022 YIELDS, TULELAKE ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 5/22/17

	2017	2018	2019	2020	*2021	*2022	Average	% of		
FD	Yield	Yield	Yield	Yield	Yield	Yield		Vernal		
Released Varieties										
WL365HQ	5	3.80 (9)	9.64 (9)	9.42 (2)	9.23 (1)	6.74 (13)	7.62 (5)	7.74 (1)	A	113.2
Integra 8450	4	3.76 (11)	9.72 (7)	9.03 (5)	8.88 (6)	7.03 (5)	7.71 (4)	7.69 (2)	A B	112.5
Nexgrow 6422Q	4	3.03 (35)	9.89 (1)	9.27 (3)	8.98 (3)	6.87 (9)	7.95 (1)	7.66 (3)	A B	112.1
HybriForce-4400	4	4.14 (4)	9.74 (6)	8.95 (10)	8.63 (21)	6.76 (10)	7.43 (13)	7.61 (4)	A B C	111.3
SW4107	4	3.04 (29)	9.84 (2)	9.50 (1)	8.84 (8)	6.65 (18)	7.62 (6)	7.58 (6)	A B C D E	110.9
54Q29	4	3.04 (30)	9.76 (5)	8.95 (9)	8.63 (20)	7.24 (1)	7.77 (2)	7.56 (7)	A B C D E F	110.7
SW5210	6	3.74 (12)	9.51 (12)	9.05 (4)	8.92 (4)	6.53 (25)	7.56 (7)	7.55 (8)	A B C D E F	110.5
HybriForce-3600	6	4.28 (2)	9.25 (23)	8.32 (36)	8.53 (24)	7.06 (4)	7.76 (3)	7.53 (9)	A B C D E F G	110.2
WL377HQ	5	3.04 (27)	9.66 (8)	8.98 (6)	8.88 (7)	6.95 (6)	7.43 (14)	7.49 (10)	B C D E F G H	109.6
FG R513W224S	5	3.64 (18)	9.50 (13)	8.92 (12)	8.64 (18)	6.89 (8)	7.26 (21)	7.48 (11)	B C D E F G H I	109.4
FG R513W227S	5	3.27 (24)	9.20 (26)	8.96 (8)	9.01 (2)	7.09 (2)	7.32 (18)	7.48 (12)	B C D E F G H I	109.3
Nexgrow 6585Q	5	3.74 (13)	9.25 (22)	8.83 (15)	8.89 (5)	6.65 (19)	7.46 (11)	7.47 (13)	B C D E F G H I	109.3
WL363HQ	5	3.78 (10)	9.26 (21)	8.94 (11)	8.75 (13)	6.58 (22)	7.21 (23)	7.42 (14)	C D E F G H I J	108.5
Genuity-RR	4	3.74 (14)	9.20 (25)	8.81 (17)	8.53 (23)	7.09 (3)	7.11 (26)	7.41 (15)	C D E F G H I J	108.4
SW5213	5	3.51 (22)	9.51 (11)	8.82 (16)	8.61 (22)	6.67 (17)	7.02 (27)	7.40 (16)	C D E F G H I J K	108.2
Dekalb 43-13	4	3.81 (8)	9.27 (19)	8.71 (19)	8.38 (28)	6.74 (14)	7.31 (19)	7.37 (17)	D E F G H I J K L	107.8
HybriForce-3420/Wet	4	4.09 (5)	9.57 (10)	8.55 (30)	8.25 (36)	6.19 (36)	7.52 (8)	7.36 (18)	E F G H I J K L	107.7
PGI459	4	4.16 (3)	9.01 (31)	8.64 (23)	8.25 (35)	6.67 (17)	7.38 (15)	7.35 (19)	F G H I J K L	107.6
Xtra-3	4	3.54 (21)	9.41 (15)	8.89 (13)	8.39 (27)	6.59 (21)	7.26 (20)	7.35 (20)	F G H I J K L	107.5
AmeriStand 545NT RR	5	3.41 (23)	9.35 (17)	8.83 (14)	8.66 (16)	6.68 (16)	7.01 (28)	7.33 (21)	G H I J K L	107.2
FG R410W253	4	3.61 (20)	9.20 (24)	8.67 (21)	8.82 (9)	6.75 (11)	6.79 (35)	7.31 (22)	G H I J K L M	106.9
FG R513M225S	5	3.71 (16)	9.19 (27)	8.69 (20)	8.80 (11)	6.38 (31)	6.94 (29)	7.29 (23)	H I J K L M	106.6
Archer III	5	3.03 (38)	9.41 (16)	8.62 (27)	8.32 (32)	6.69 (15)	7.51 (9)	7.26 (24)	I J K L M N	106.2
HybriForce-3430	3	3.98 (6)	9.79 (4)	8.66 (22)	8.37 (29)	5.91 (44)	6.82 (34)	7.26 (25)	I J K L M N	106.1
Integra 8444R	4	3.72 (15)	9.27 (20)	8.42 (34)	8.67 (15)	6.44 (29)	6.93 (30)	7.24 (26)	J K L M N	106.0
Integra 8420	4	3.03 (34)	9.42 (14)	8.44 (33)	8.28 (33)	6.42 (30)	7.46 (12)	7.18 (28)	K L M N O P	105.0
4R200	4	3.67 (17)	8.72 (37)	8.29 (37)	8.24 (37)	6.38 (32)	7.20 (24)	7.08 (31)	M N O P Q	103.6
WL 372HQ-RR	5	3.02 (42)	9.19 (28)	8.56 (29)	8.18 (38)	6.45 (28)	6.92 (31)	7.05 (32)	N O P Q R	103.2
Hi-Gest 360	3	3.03 (39)	9.30 (18)	8.63 (26)	8.17 (39)	6.10 (41)	6.85 (32)	7.01 (33)	O P Q R	102.6
Ameristand 445-NT	4	3.04 (26)	8.86 (35)	8.12 (40)	7.82 (42)	6.23 (35)	7.22 (22)	6.88 (37)	Q R S	100.6
Ameristand 427TQ	4	3.04 (25)	8.95 (32)	8.24 (38)	7.77 (43)	6.12 (40)	7.13 (25)	6.87 (38)	Q R S	100.5
Vernal	2	3.03 (32)	8.68 (39)	8.10 (41)	7.69 (44)	6.18 (38)	7.34 (17)	6.84 (42)	R S	100.0
Experimental Varieties										
msSunstra-143146	3	4.30 (1)	9.83 (3)	8.73 (18)	8.50 (25)	6.75 (12)	7.47 (10)	7.60 (5)	A B C D	111.1
msSunstra-155202	6	3.86 (7)	9.03 (30)	8.04 (42)	8.26 (34)	6.60 (20)	7.38 (16)	7.20 (27)	J K L M N O	105.3
SW4466	4	3.62 (19)	9.13 (29)	8.98 (7)	8.36 (30)	6.03 (42)	6.78 (36)	7.15 (29)	L M N O P	104.6
RRL414M104	4	3.03 (40)	8.69 (38)	8.63 (24)	8.76 (12)	6.57 (23)	6.84 (33)	7.09 (30)	M N O P Q	103.7
RRL514W209	5	3.03 (31)	8.63 (40)	8.57 (28)	8.70 (14)	6.47 (26)	6.54 (38)	6.99 (34)	O P Q R	102.3
RRL414M377	4	3.04 (28)	8.86 (34)	8.52 (31)	8.82 (10)	6.15 (39)	6.34 (41)	6.95 (35)	P Q R	101.7
H0415ST202	4	3.03 (37)	8.87 (33)	8.63 (25)	8.36 (31)	6.18 (37)	6.46 (40)	6.92 (36)	Q R S	101.2
H0415QT111	4	3.02 (44)	8.46 (41)	8.00 (44)	8.63 (19)	6.53 (24)	6.59 (37)	6.87 (39)	Q R S	100.5
H0415A3144	4	3.03 (36)	8.73 (36)	8.45 (32)	8.44 (26)	6.00 (43)	6.53 (39)	6.86 (40)	Q R S	100.4
H0515QT102	5	3.02 (41)	8.43 (42)	8.33 (35)	8.65 (17)	6.34 (33)	6.31 (42)	6.84 (41)	R S	100.1
RRL414W208	4	3.02 (43)	8.42 (43)	8.15 (39)	8.14 (40)	6.46 (27)	6.16 (44)	6.72 (43)	S T	98.3
RRL514W201	5	3.03 (33)	8.20 (44)	8.01 (43)	7.90 (41)	6.24 (34)	6.20 (43)	6.60 (44)	T	96.5
MEAN		3.44	9.20	8.66	8.51	6.55	7.12	7.25		
CV		8.16	3.66	3.47	3.97	6.87	5.85	2.63		
LSD (0.1)		0.33	0.40	0.36	0.40	0.53	0.50	0.23		

Trial seeded at 25 lb/acre viable seed at Intermountain Research and Extension Center, Tulelake, 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.

*No supplemental irrigation used for 2021-22 harvests (only natural rainfall and residual soil moisture)