

2017-2021 YIELDS. TULELAKE ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 5/22/17

	2017	2018	2019	2020	2021	Average		% of	
	Yield	Yield	Yield	Yield	Yield			Vernal	
Released Varieties	FD							Dry t/a	
WL365HQ	5	3.80 (9)	9.64 (9)	9.42 (2)	9.23 (1)	6.74 (13)	7.76 (1)	A	115.3
Integra 8450	4	3.76 (11)	9.72 (7)	9.03 (5)	8.88 (6)	7.03 (5)	7.68 (2)	A B	114.1
HybriForce-4400	4	4.14 (4)	9.74 (6)	8.95 (10)	8.63 (21)	6.76 (10)	7.64 (3)	A B C	113.4
Nexgrow 6422Q	4	3.03 (35)	9.89 (1)	9.27 (3)	8.98 (3)	6.87 (9)	7.61 (5)	A B C D	112.9
SW4107	4	3.04 (29)	9.84 (2)	9.50 (1)	8.84 (8)	6.65 (18)	7.57 (6)	A B C D E	112.4
SW5210	6	3.74 (12)	9.51 (12)	9.05 (4)	8.92 (4)	6.53 (25)	7.55 (7)	A B C D E F	112.1
54Q29	4	3.04 (30)	9.76 (5)	8.95 (9)	8.63 (20)	7.24 (1)	7.52 (8)	B C D E F G	111.7
FG R513W224S	5	3.64 (18)	9.50 (13)	8.92 (12)	8.64 (18)	6.89 (8)	7.52 (9)	B C D E F G	111.6
FG R513W227S	5	3.27 (24)	9.20 (26)	8.96 (8)	9.01 (2)	7.09 (2)	7.51 (10)	B C D E F G	111.4
WL377HQ	5	3.04 (27)	9.66 (8)	8.98 (6)	8.88 (7)	6.95 (6)	7.50 (11)	B C D E F G	111.4
HybriForce-3600	6	4.28 (2)	9.25 (23)	8.32 (36)	8.53 (24)	7.06 (4)	7.49 (12)	B C D E F G	111.1
SW5213	5	3.51 (22)	9.51 (11)	8.82 (16)	8.61 (22)	6.92 (7)	7.47 (13)	B C D E F G	111.0
Genuity-RR	4	3.74 (14)	9.20 (25)	8.81 (17)	8.53 (23)	7.09 (3)	7.47 (14)	B C D E F G	111.0
Nexgrow 6585Q	5	3.74 (13)	9.25 (22)	8.83 (15)	8.89 (5)	6.65 (19)	7.47 (15)	B C D E F G	110.9
WL363HQ	5	3.78 (10)	9.26 (21)	8.94 (11)	8.75 (13)	6.58 (22)	7.46 (16)	B C D E F G	110.8
FG R410W253	4	3.61 (20)	9.20 (24)	8.67 (21)	8.82 (9)	6.75 (11)	7.41 (17)	C D E F G H	110.0
AmeriStand 545NT RR	5	3.41 (23)	9.35 (17)	8.83 (14)	8.66 (16)	6.68 (16)	7.39 (18)	D E F G H I	109.7
Dekalb 43-13	4	3.81 (8)	9.27 (19)	8.71 (19)	8.38 (28)	6.74 (14)	7.38 (19)	D E F G H I	109.6
Xtra-3	4	3.54 (21)	9.41 (15)	8.89 (13)	8.39 (27)	6.59 (21)	7.37 (20)	E F G H I J	109.4
FG R513M225S	5	3.71 (16)	9.19 (27)	8.69 (20)	8.80 (11)	6.38 (31)	7.36 (21)	E F G H I J	109.2
PGI459	4	4.16 (3)	9.01 (31)	8.64 (23)	8.25 (35)	6.67 (17)	7.35 (22)	E F G H I J K	109.1
HybriForce-3430	3	3.98 (6)	9.79 (4)	8.66 (22)	8.37 (29)	5.91 (44)	7.34 (23)	E F G H I J K	109.0
HybriForce-3420/Wet	4	4.09 (5)	9.57 (10)	8.55 (30)	8.25 (36)	6.19 (36)	7.33 (24)	F G H I J K	108.8
Integra 8444R	4	3.72 (15)	9.27 (20)	8.42 (34)	8.67 (15)	6.44 (29)	7.31 (25)	G H I J K L	108.5
Archer III	5	3.03 (38)	9.41 (16)	8.62 (27)	8.32 (32)	6.69 (15)	7.21 (27)	H I J K L M	107.1
Integra 8420	4	3.03 (34)	9.42 (14)	8.44 (33)	8.28 (33)	6.42 (30)	7.12 (30)	K L M N O	105.7
WL 372HQ-RR	5	3.02 (42)	9.19 (28)	8.56 (29)	8.18 (38)	6.45 (28)	7.08 (31)	L M N O	105.1
4R200	4	3.67 (17)	8.72 (37)	8.29 (37)	8.24 (37)	6.38 (32)	7.06 (34)	M N O P	104.8
Hi-Gest 360	3	3.03 (39)	9.30 (18)	8.63 (26)	8.17 (39)	6.10 (41)	7.05 (35)	M N O P Q	104.6
AmeriStand 427TQ	4	3.04 (25)	8.95 (32)	8.24 (38)	7.77 (43)	6.12 (40)	6.82 (41)	Q R S T	101.3
AmeriStand 445-NT	4	3.04 (26)	8.86 (35)	8.12 (40)	7.82 (42)	6.23 (35)	6.81 (42)	R S T	101.1
Vernal	2	3.03 (32)	8.68 (39)	8.10 (41)	7.69 (44)	6.18 (38)	6.74 (43)	S T	100.0
Experimental Varieties									
msSunstra-143146	3	4.30 (1)	9.83 (3)	8.73 (18)	8.50 (25)	6.75 (12)	7.62 (4)	A B C	113.1
SW4466	4	3.62 (19)	9.13 (29)	8.98 (7)	8.36 (30)	6.03 (42)	7.22 (26)	H I J K L M	107.2
msSunstra-155202	6	3.86 (7)	9.03 (30)	8.04 (42)	8.26 (34)	6.60 (20)	7.16 (28)	I J K L M N	106.3
RRL414M104	4	3.03 (40)	8.69 (38)	8.63 (24)	8.76 (12)	6.57 (23)	7.14 (29)	J K L M N O	106.0
RRL514W209	5	3.03 (31)	8.63 (40)	8.57 (28)	8.70 (14)	6.47 (26)	7.08 (32)	L M N O	105.1
RRL414M377	4	3.04 (28)	8.86 (34)	8.52 (31)	8.82 (10)	6.15 (39)	7.08 (33)	L M N O	105.0
H0415ST202	4	3.03 (37)	8.87 (33)	8.63 (25)	8.36 (31)	6.18 (37)	7.01 (36)	M N O P Q R	104.1
H0515QT102	5	3.02 (41)	8.43 (42)	8.33 (35)	8.65 (17)	6.34 (33)	6.95 (37)	N O P Q R S	103.2
H0415A3144	4	3.03 (36)	8.73 (36)	8.45 (32)	8.44 (26)	6.00 (43)	6.93 (38)	O P Q R S	102.9
H0415QT111	4	3.02 (44)	8.46 (41)	8.00 (44)	8.63 (19)	6.53 (24)	6.93 (39)	O P Q R S	102.8
RRL414W208	4	3.02 (43)	8.42 (43)	8.15 (39)	8.14 (40)	6.46 (27)	6.84 (40)	P Q R S T	101.5
RRL514W201	5	3.03 (33)	8.20 (44)	8.01 (43)	7.90 (41)	6.24 (34)	6.68 (44)	T	99.1
MEAN		3.44	9.20	8.66	8.51	6.55	7.27		
CV		8.16	3.66	3.47	3.97	6.87	2.67		
LSD (0.1)		0.33	0.40	0.36	0.40	0.53	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 harvests (only natural rainfall and residual soil moisture)