

## 2021 YIELDS, TULELAKE ALFALFA CULTIVAR TRIAL (DROUGHT). TRIAL PLANTED 5/22/17

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

		Cut 1	Cut 2	YEAR		% of
		17-Jun	19-Jul	TOTAL		VERNAL
	FD		Dry t/a			
<b>Released Varieties</b>						
54Q29	4	3.95 ( 1)	3.29 ( 27)	7.24 ( 1)	A	117.3
FG R513W227S	5	3.32 ( 11)	3.77 ( 1)	7.09 ( 2)	A B	114.9
Genuity-RR	4	3.59 ( 2)	3.50 ( 11)	7.09 ( 3)	A B	114.7
Hybriforce-3600	6	3.54 ( 3)	3.52 ( 8)	7.06 ( 4)	A B C	114.3
Integra 8450	4	3.38 ( 10)	3.65 ( 3)	7.03 ( 5)	A B C D	113.9
WL377HQ	5	3.20 ( 22)	3.75 ( 2)	6.95 ( 6)	A B C D E	112.6
SW5213	5	3.49 ( 4)	3.43 ( 16)	6.92 ( 7)	A B C D E	112.1
FG R513W224S	5	3.29 ( 15)	3.60 ( 4)	6.89 ( 8)	A B C D E F	111.6
Nexgrow 6422Q	4	3.47 ( 6)	3.40 ( 18)	6.87 ( 9)	A B C D E F G	111.2
Hybriforce-4400	4	3.39 ( 9)	3.37 ( 20)	6.76 ( 10)	A B C D E F G H	109.4
FG R410W253	4	3.31 ( 13)	3.44 ( 14)	6.75 ( 11)	A B C D E F G H	109.3
WL365HQ	5	3.17 ( 24)	3.57 ( 5)	6.74 ( 13)	A B C D E F G H	109.1
Dekalb 43-13	4	3.23 ( 17)	3.51 ( 9)	6.74 ( 14)	A B C D E F G H	109.1
Archer III	5	3.40 ( 8)	3.29 ( 28)	6.69 ( 15)	B C D E F G H I	108.3
AmeriStand 545NT RR	5	3.12 ( 31)	3.57 ( 6)	6.68 ( 16)	B C D E F G H I J	108.2
PGI459	4	3.23 ( 18)	3.44 ( 13)	6.67 ( 17)	B C D E F G H I J	108.0
SW4107	4	3.20 ( 20)	3.44 ( 15)	6.65 ( 18)	B C D E F G H I J K	107.6
Nexgrow 6585Q	5	3.14 ( 27)	3.50 ( 10)	6.65 ( 19)	B C D E F G H I J K	107.6
Xtra-3	4	3.20 ( 21)	3.39 ( 19)	6.59 ( 21)	B C D E F G H I J K L	106.7
WL363HQ	5	3.18 ( 23)	3.41 ( 17)	6.58 ( 22)	B C D E F G H I J K L	106.5
SW5210	6	3.31 ( 12)	3.21 ( 32)	6.53 ( 25)	D E F G H I J K L M N	105.6
WL 372HQ-RR	5	3.00 ( 38)	3.45 ( 12)	6.45 ( 28)	E F G H I J K L M N	104.5
Integra 8444R	4	2.91 ( 44)	3.53 ( 7)	6.44 ( 29)	E F G H I J K L M N O	104.3
Integra 8420	4	3.21 ( 19)	3.21 ( 34)	6.42 ( 30)	E F G H I J K L M N O	104.0
FG R513M225S	5	3.05 ( 34)	3.34 ( 21)	6.38 ( 31)	F G H I J K L M N O	103.4
4R200	4	3.04 ( 35)	3.33 ( 22)	6.38 ( 32)	F G H I J K L M N O	103.2
Ameristand 445-NT	4	3.12 ( 30)	3.11 ( 37)	6.23 ( 35)	H I J K L M N O	100.9
Hybriforce-3420/Wet	4	3.08 ( 33)	3.11 ( 38)	6.19 ( 36)	I J K L M N O	100.2
Vernal	2	3.14 ( 28)	3.04 ( 42)	6.18 ( 38)	I J K L M N O	100.0
Ameristand 427TQ	4	2.97 ( 41)	3.15 ( 35)	6.12 ( 40)	K L M N O	99.1
Hi-Gest 360	3	2.99 ( 39)	3.11 ( 36)	6.10 ( 41)	L M N O	98.7
Hybriforce-3430	3	3.04 ( 36)	2.88 ( 44)	5.91 ( 44)	O	95.8
<b>Experimental Varieties</b>						
msSunstra-143146	3	3.49 ( 5)	3.26 ( 31)	6.75 ( 12)	A B C D E F G H	109.2
msSunstra-155202	6	3.29 ( 14)	3.31 ( 25)	6.60 ( 20)	B C D E F G H I J K L	106.9
RRL414M104	4	3.28 ( 16)	3.28 ( 29)	6.57 ( 23)	B C D E F G H I J K L	106.3
H0415QT111	4	3.45 ( 7)	3.09 ( 39)	6.53 ( 24)	C D E F G H I J K L M	105.8
RRL514W209	5	3.13 ( 29)	3.33 ( 23)	6.47 ( 26)	E F G H I J K L M N	104.7
RRL414W208	4	3.15 ( 25)	3.31 ( 26)	6.46 ( 27)	E F G H I J K L M N	104.5
H0515QT102	5	3.01 ( 37)	3.33 ( 24)	6.34 ( 33)	G H I J K L M N O	102.6
RRL514W201	5	2.97 ( 42)	3.27 ( 30)	6.24 ( 34)	H I J K L M N O	101.1
H0415ST202	4	2.97 ( 40)	3.21 ( 33)	6.18 ( 37)	I J K L M N O	100.1
RRL414M377	4	3.09 ( 32)	3.05 ( 41)	6.15 ( 39)	J K L M N O	99.5
SW4466	4	3.15 ( 26)	2.88 ( 43)	6.03 ( 42)	M N O	97.6
H0415A3144	4	2.93 ( 43)	3.07 ( 40)	6.00 ( 43)	N O	97.1
MEAN		3.22	3.33	6.55		
CV		12.42	7.14	6.87		
LSD (0.1)		NS	0.28	0.53		

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)