

## 2022 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	Cut 3	YEAR		% of
	FD	24-Jun	4-Aug	26-Sep	TOTAL		VERNAL
		Dry t/a					
<b>Released Varieties</b>							
Nexgrow 6422Q	4	3.36 ( 1)	2.93 ( 1)	1.65 ( 19)	7.95 ( 1)	A	108.3
54Q29	4	3.32 ( 5)	2.65 ( 7)	1.80 ( 1)	7.77 ( 2)	A B	105.9
Hybriforce-3600	6	3.18 ( 11)	2.80 ( 2)	1.78 ( 2)	7.76 ( 3)	A B	105.8
Integra 8450	4	3.33 ( 3)	2.72 ( 5)	1.65 ( 21)	7.71 ( 4)	A B C	105.0
WL365HQ	5	3.11 ( 15)	2.78 ( 3)	1.73 ( 8)	7.62 ( 5)	A B C D	103.9
SW4107	4	3.33 ( 4)	2.61 ( 10)	1.68 ( 12)	7.62 ( 6)	A B C D E	103.8
SW5210	6	3.26 ( 9)	2.60 ( 12)	1.71 ( 9)	7.56 ( 7)	A B C D E F	103.1
Hybriforce-3420/Wet	4	3.16 ( 12)	2.59 ( 15)	1.76 ( 3)	7.52 ( 8)	A B C D E F	102.5
Archer III	5	3.32 ( 6)	2.54 ( 21)	1.66 ( 18)	7.51 ( 9)	A B C D E F G	102.3
Nexgrow 6585Q	5	2.96 ( 27)	2.74 ( 4)	1.75 ( 6)	7.46 ( 11)	A B C D E F G H	101.7
Integra 8420	4	3.09 ( 18)	2.61 ( 11)	1.76 ( 5)	7.46 ( 12)	A B C D E F G H	101.6
Hybriforce-4400	4	3.28 ( 7)	2.46 ( 28)	1.68 ( 11)	7.43 ( 13)	B C D E F G H I	101.3
WL377HQ	5	3.07 ( 20)	2.60 ( 13)	1.76 ( 4)	7.43 ( 14)	B C D E F G H I	101.2
PGI459	4	3.26 ( 8)	2.63 ( 9)	1.49 ( 33)	7.38 ( 15)	B C D E F G H I J	100.6
Vernal	2	3.36 ( 2)	2.52 ( 24)	1.46 ( 34)	7.34 ( 17)	B C D E F G H I J K	100.0
FG R513W227S	5	3.14 ( 14)	2.54 ( 20)	1.64 ( 23)	7.32 ( 18)	B C D E F G H I J K L	99.7
Dekalb 43-13	4	3.09 ( 19)	2.55 ( 18)	1.67 ( 13)	7.31 ( 19)	B C D E F G H I J K L	99.7
Xtra-3	4	2.93 ( 31)	2.66 ( 6)	1.66 ( 15)	7.26 ( 20)	C D E F G H I J K L M	98.9
FG R513W224S	5	3.05 ( 22)	2.55 ( 17)	1.65 ( 20)	7.26 ( 21)	C D E F G H I J K L M	98.9
Ameristand 445-NT	4	3.14 ( 13)	2.55 ( 19)	1.53 ( 29)	7.22 ( 22)	C D E F G H I J K L M	98.4
WL363HQ	5	3.02 ( 23)	2.54 ( 22)	1.66 ( 16)	7.21 ( 23)	D E F G H I J K L M	98.3
4R200	4	2.94 ( 30)	2.55 ( 16)	1.70 ( 10)	7.20 ( 24)	D E F G H I J K L M	98.0
Ameristand 427TQ	4	3.10 ( 16)	2.48 ( 27)	1.55 ( 26)	7.13 ( 25)	E F G H I J K L M	97.1
Genuity-RR	4	2.95 ( 28)	2.49 ( 26)	1.67 ( 14)	7.11 ( 26)	F G H I J K L M	96.9
SW5213	5	3.09 ( 17)	2.53 ( 23)	1.40 ( 40)	7.02 ( 27)	G H I J K L M N	95.6
AmeriStand 545NT RR	5	2.91 ( 34)	2.44 ( 29)	1.66 ( 17)	7.01 ( 28)	H I J K L M N	95.6
FG R513M225S	5	2.89 ( 36)	2.51 ( 25)	1.54 ( 28)	6.94 ( 29)	I J K L M N O	94.6
Integra 8444R	4	2.92 ( 33)	2.37 ( 33)	1.64 ( 22)	6.93 ( 30)	J K L M N O	94.4
WL 372HQ-RR	5	2.92 ( 32)	2.42 ( 31)	1.58 ( 25)	6.92 ( 31)	J K L M N O	94.2
Hi-Gest 360	3	3.01 ( 24)	2.29 ( 39)	1.55 ( 27)	6.85 ( 32)	K L M N O	93.3
Hybriforce-3430	3	2.99 ( 26)	2.30 ( 37)	1.53 ( 31)	6.82 ( 34)	M N O P	92.9
FG R410W253	4	2.90 ( 35)	2.43 ( 30)	1.45 ( 35)	6.79 ( 35)	M N O P Q	92.5
<b>Experimental Varieties</b>							
msSunstra-143146	3	3.25 ( 10)	2.59 ( 14)	1.63 ( 24)	7.47 ( 10)	A B C D E F G H	101.8
msSunstra-155202	6	3.00 ( 25)	2.63 ( 8)	1.74 ( 7)	7.38 ( 16)	B C D E F G H I J	100.5
RRL414M104	4	2.95 ( 29)	2.36 ( 34)	1.53 ( 30)	6.84 ( 33)	L M N O	93.2
SW4466	4	3.06 ( 21)	2.29 ( 38)	1.43 ( 37)	6.78 ( 36)	M N O P Q	92.4
H0415QT111	4	2.83 ( 38)	2.38 ( 32)	1.38 ( 42)	6.59 ( 37)	N O P Q R	89.8
RRL514W209	5	2.88 ( 37)	2.23 ( 42)	1.42 ( 38)	6.54 ( 38)	N O P Q R	89.1
H0415A3144	4	2.72 ( 41)	2.30 ( 36)	1.50 ( 32)	6.53 ( 39)	N O P Q R	88.9
H0415ST202	4	2.78 ( 39)	2.24 ( 40)	1.45 ( 36)	6.46 ( 40)	O P Q R	88.1
RRL414M377	4	2.76 ( 40)	2.16 ( 44)	1.42 ( 39)	6.34 ( 41)	P Q R	86.4
H0515QT102	5	2.68 ( 42)	2.23 ( 43)	1.40 ( 41)	6.31 ( 42)	Q R	85.9
RRL514W201	5	2.57 ( 44)	2.30 ( 35)	1.32 ( 43)	6.20 ( 43)	R	84.5
RRL414W208	4	2.68 ( 43)	2.23 ( 41)	1.24 ( 44)	6.16 ( 44)	R	83.9
MEAN		3.04	2.50	1.59	7.12		
CV		5.11	8.44	11.14	5.85		
LSD (0.1)		0.18	0.25	0.21	0.50		

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 2022 harvests (only natural rainfall and residual soil moisture)