

## Alfalfa Variety Trial Results - Multi Site Average

Variety	Multi Site Average		Protein <sup>#</sup>
	8 site-years		
	lbs/acre	tons/acre	%
<b>Rugged</b>	<b>4241</b>	<b>2.12</b>	16.0
<b>Big Sky Ladak</b>	<b>4235</b>	<b>2.12</b>	14.7
<b>Magnum - 7</b>	<b>4224</b>	<b>2.11</b>	15.4
<b>Melton</b>	<b>4204</b>	<b>2.10</b>	11.8
<b>WL 355RR</b>	<b>4102</b>	<b>2.05</b>	15.0
<b>AgRMS-102</b>	<b>4072</b>	<b>2.04</b>	11.0
<b>MsSunstra - 803</b>	<b>4043</b>	<b>2.02</b>	15.8
<b>AgRMS-103</b>	<b>3996</b>	<b>2.00</b>	13.7
<b>Venus 4 PLUS T***</b>	<b>3993</b>	<b>2.00</b>	16.5
<b>Shaw</b>	<b>3865</b>	<b>1.93</b>	12.3
<b>PGI 424</b>	<b>3853</b>	<b>1.93</b>	16.2
<b>PGI 215</b>	<b>3800</b>	<b>1.90</b>	15.5
Vernal	3710	1.86	14.6
AgRMS-101	3703	1.85	12.8
Hybri Force - 2400	3685	1.84	13.1
Cooper	3674	1.84	14.9
TS 4010	3672	1.84	14.7
BB-10-11	3621	1.81	15.0
WL 319HQ	3614	1.81	14.3
Whitney	3573	1.79	16.1
Dryland	3502	1.75	13.4
Legendary XHD**	3466	1.73	17.0
WL 354HQ	3453	1.73	15.3
Maxi-Graze	3383	1.69	13.9
Spredor 5	3362	1.68	14.0
FGR47M312	3355	1.68	12.8
FG 27C102	3223	1.61	14.4
Graze N Hay 3.1RR	3213	1.61	14.0
FG 310M150	3188	1.59	13.9
DKA43-22	3169	1.58	12.9
DKA34-17RR	3075	1.54	13.5
4R200	3062	1.53	13.0
FGR48M137	2981	1.49	13.2
<b>Average</b>	<b>3646</b>	<b>1.82</b>	
<b>LSD (0.05)</b>	<b>454</b>	<b>0.23</b>	
<b>CV (%)</b>	<b>25</b>		

# Protein reported from 2013, 2014 trial data

\* Varieties in bold statistically similar at a 95% confidence level

\*\* Legendary XHD tested as FG 46M126

\*\*\*Venus 4 PLUS T tested as TS 4013

## Alfalfa Variety Trial Results - Idaho County

Variety	Idaho County				4-Year Average	tons/acre
	2013	2014	2015	2016		
	-----lbs/acre-----					
<b>Melton</b>	3611	3743	3686	5292	<b>4003</b>	<b>2.00</b>
<b>AgRMS-102</b>	3679	3191	3558	5707	<b>3939</b>	<b>1.97</b>
<b>Magnum - 7</b>	4008	3554	3555	4872	<b>3909</b>	<b>1.95</b>
<b>Big Sky Ladak</b>	2951	3845	3177	4975	<b>3625</b>	<b>1.81</b>
<b>AgRMS-103</b>	3659	3561	2990	4683	<b>3577</b>	<b>1.79</b>
<b>Shaw</b>	3877	3373	2851	4404	<b>3471</b>	<b>1.74</b>
Cooper	4175	2902	2766	4410	3404	1.70
Whitney	3326	2989	2971	4559	3363	1.68
Rugged	3483	3173	2735	4624	3350	1.67
AgRMS-101	3166	2875	2966	4684	3332	1.67
WL 319HQ	3321	2996	2737	4702	3299	1.65
BB-10-11	3083	3061	2892	4439	3273	1.64
MsSunstra - 803	3189	2822	2521	5162	3243	1.62
Venus 4 PLUS T***	3427	2982	2773	4204	3232	1.62
WL 355RR	2794	3672	2726	4117	3207	1.60
Maxi-Graze	3251	2867	2587	4408	3140	1.57
Dryland	3377	2920	2502	4331	3126	1.56
Hybri Force - 2400	3426	2756	2430	4491	3106	1.55
FGR47M312	2607	3066	2634	3989	2986	1.49
WL 354HQ	3323	2877	2508	3651	2973	1.49
PGI 424	3408	2735	2278	3953	2930	1.47
Legendary XHD**	2800	3312	2330	3874	2929	1.46
Vernal	3230	2649	2431	3900	2928	1.46
PGI 215	2958	3189	2576	4109	2923	1.46
Graze N Hay 3.10RR	2729	2517	2436	4493	2922	1.46
FG 310M150	2537	2766	2576	4151	2921	1.46
Spredor 5	3179	2777	2268	4014	2901	1.45
FG 27C102	2704	3090	2472	3590	2866	1.43
4R200	2961	2772	2251	3817	2810	1.41
FGR48M137	3049	2746	2356	3521	2805	1.40
DKA43-22	2964	2553	2417	3467	2763	1.38
TS 4010	3127	2353	2056	3919	2702	1.35
DKA34-17RR	2237	2910	2158	3698	2632	1.32
<b>Average</b>	<b>3200</b>	<b>3018</b>	<b>2672</b>	<b>4309</b>	<b>3300</b>	<b>1.65</b>
<b>LSD (0.05)</b>	<b>766</b>	<b>811</b>	<b>865</b>	<b>927</b>	<b>367</b>	<b>0.18</b>
<b>CV (%)</b>	<b>17</b>	<b>19</b>	<b>23</b>	<b>15</b>	<b>19</b>	

\* Varieties in bold statistically similar at a 95% confidence level

\*\* Legendary XHD tested as FG 46M126

\*\*\*Venus 4 PLUS T tested as TS 4013

## Alfalfa Variety Trial Results - Lewis County

Variety	<u>Lewis County</u>				4-Year Average	
	2013	2014	2015	2016	lbs/acre	tons/acre
<b>Rugged</b>	3880	7144	5782	6153	<b>5725</b>	<b>2.86</b>
<b>WL 355RR</b>	4896	7157	5264	4725	<b>5593</b>	<b>2.80</b>
<b>PGI 424</b>	3880	6560	5535	5733	<b>5391</b>	<b>2.70</b>
<b>MsSunstra - 803</b>	3795	7254	7570	5086	<b>5378</b>	<b>2.69</b>
<b>TS 4010</b>	3792	6627	4926	5446	<b>5288</b>	<b>2.64</b>
<b>PGI 215</b>	3912	6745	5827	5131	<b>5262</b>	<b>2.63</b>
<b>Venus 4 PLUS T***</b>	3475	6629	6203	5681	<b>5261</b>	<b>2.63</b>
<b>Big Sky Ladak</b>	3082	6507	5899	6167	<b>5252</b>	<b>2.63</b>
<b>Vernal</b>	3302	6106	5156	5634	<b>5014</b>	<b>2.51</b>
Magnum - 7	3022	5454	6237	5774	4750	2.37
AgRMS-103	2974	5521	6130	5594	4696	2.35
Hybri Force - 2400	2560	5952	5342	5437	4650	2.32
Melton	2787	4646	6346	6182	4538	2.27
Shaw	1973	5160	6200	6431	4521	2.26
Legendary XHD**	2374	5928	4553	4782	4361	2.18
AgRMS-101	2632	4761	5016	5574	4322	2.16
AgRMS-102	2475	3130	4724	7274	4293	2.15
WL 354HQ	1811	5347	5329	5600	4253	2.13
BB-10-11	2107	4474	4854	6025	4202	2.10
WL 319HQ	2527	4360	5846	5532	4139	2.07
Spredor 5	1953	4706	5485	5735	4131	2.07
Dryland	2889	4745	5113	4752	4129	2.06
Cooper	2206	4921	6337	5243	4123	2.06
FGR47M312	2064	4400	4942	5444	3969	1.98
Whitney	2396	4287	4692	5085	3923	1.96
DKA43-22	2043	4366	5240	5124	3845	1.92
FG 27C102	1548	5186	3706	4719	3818	1.91
DKA34-17RR	2231	4842	4519	4367	3814	1.91
Maxi-Graze	2771	3868	4430	4728	3789	1.89
Graze N Hay 3.1RR	1583	4501	4976	5009	3697	1.85
FG 310M150	1924	4159	5136	4814	3632	1.82
4R200	1562	4251	5596	4635	3483	1.74
FGR48M137	1860	4062	4543	3897	3273	1.64
<b>Average</b>	<b>2675</b>	<b>5265</b>	<b>5377</b>	<b>5379</b>	<b>4440</b>	<b>2.22</b>
<b>LSD (0.05)</b>	<b>1127</b>	<b>1495</b>	<b>1473</b>	<b>1696</b>	<b>829</b>	<b>0.41</b>
<b>CV (%)</b>	<b>30</b>	<b>19</b>	<b>20</b>	<b>22</b>	<b>23</b>	

\* Varieties in bold statistically similar at a 95% confidence level

\*\* Legendary XHD tested as FG 46M126

\*\*\*Venus 4 PLUS T tested as TS 4013