

Retirement – Steve Wright

After working for 35 years, I retired this summer on July 1st. I feel so grateful to have been given the opportunity to work and interact with so many wonderful people. I have learned so much and it has been such an adventure and privilege to be a part of California agriculture. I am truly blessed to have been able to raise my family among this community. I am currently working part time as a University Emeritus employee on some special projects.

Tulare/Kings/Fresno Small Grain Variety Performance Trials

*Steve Wright, Mark Lundy, Joao Paulo Martins, Phil Mayo, Diane Prato, Sarah Parry,
Tari Lee Frigulti, Nick Clark, Eddie Padilla, Isaac Giron, Walter Martinez*

Small grain variety tests were conducted at multiple locations throughout California, coordinated by Cereals Specialist Mark Lundy. The results from Fresno County small plot trials are shown on the following pages. The regional wheat, barley and triticale trials were conducted at the Westside Research and Extension Center (WSREC) in Five Points and a dryland wheat and barley site in Ducor. A special thanks to Milky Way Dairy, Changala Farms and WSREC for their cooperation in these studies. An Agronomy Progress Report containing more detailed results from all trials will be available at: <http://smallgrains.ucdavis.edu> and <http://cetulare.ucanr.edu>.

2015 started off with rain resulting in good emergence and too much rain in some areas of the state resulted in waterlogged soils. Good to fair yields in the dryland regions were observed. Warm spring temperatures shorted the season significantly and many fields were severely hurt without late irrigations. Although there was little rain in March, and April with warm temperature conditions there was still stripe rust on some varieties.

Wheat varieties have different levels of genetic resistance to stripe rust, and as several new races of rust develop, the resistance breaks down. Often, our best silage varieties are also the high yielding grain varieties with high protein, resistance to disease and resistance to lodging and early maturing. A dual purpose variety gives options, particularly when grain prices are high and silage prices low or vice versa, or when water may be limited. Choose more than one variety or grain type to reduce the impacts of weather, disease, harvest schedules, and economics.

- First and foremost, select and plant varieties with good disease resistance along with high yield potential.
- Second, a well-timed fungicide application has shown to reduce the yield loss even in resistant varieties when weather conditions favor the disease. Stripe rust resistance based on observations from the University of California statewide variety tests indicate:

Highly Susceptible: Joaquin, Mika, Blanca Grande, Yecora Rojo, Dirkin

Susceptible: WB-Paloma, Pacheco, Summit, Kronos

Moderately Susceptible: PR 1404, Redwing, Duraking, Clear White, Cristallo, Topper

Moderately Resistant: Trical 118, Westmore, Ultra, Camelot, Crown, Platinum, Blanca Fuerte, Volante, Trical 105, Desert King, Joaquin Oro

Resistant: Cal Rojo, Blanca Grande 515, Summit 515, Lariat, Lassik, Patwin, Blanca Royale, Rockland, Fortissimo, SY 158T

Small Grain Silage Variety Trial 2016

Univ. of Calif. Coop. Ext. Tulare County

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Variety	Type	Harvest 70% H ₂ O	Tons/A @70% H ₂ O ¹	Height (in)	Lodging %
Patwin 515	HWS	62	26.4 a	35	4
Pacheco	T	68	24.9 ab	45	15
Summit 515	HRS	62	24.3 ab	37	18
Patron	Beardless HRS	62	23.7 bc	36	92
Camelot	Beardless T	70	22.9 bc	44	50
Cal Rojo	HRS	65	22.9 bc	34	3
Trical 158	T	71	22.7 bc	39	0
9112	HRS	63	22.6 bc	34	88
SY 314	HRS	65	22.6 bc	38	23
WB 9904	Beardless HRS	64	22.6 bc	39	92
Trical 115	T	71	22.3 bc	41	9
Trical 105	T	68	22.0 c	46	41
PR 1404	Beardless HRS	68	21.8 c	36	83
Joaquin Oro	HRS	60	21.1 c	35	89

¹ Means followed by the same lower case letter are not significantly different according to Tukey HSD ($\alpha = 0.05$)

This study was planted November 25, 2015 at 135 lbs./acre. Plot size was 20 by 1200 ft. and was replicated three times. Yields were lower this year most likely due to high temperatures. Although varieties are ranked highest to lowest, there were no statistical differences between varieties followed by same letters.

2015-2016 UC Regional Variety Performance Trials

The results for our 2015-2016 UC Regional Variety Performance Trials for fall-sown common wheat, triticale and durum wheat can be found at: <http://cetulare.ucanr.edu/files/249639.pdf>

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Small Grain News

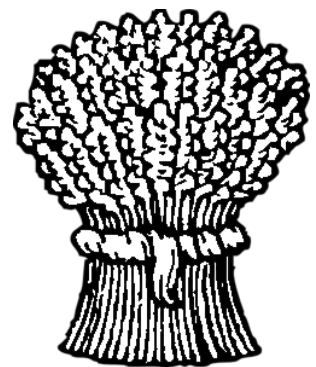
October 2016

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*Tulare/Kings/Fresno Small Grain Variety
Performance Trials*

Small Grain Silage Variety Trial 2016

2015-2016 UC Regional Variety Performance Trials



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