Summary Table: 2018-2020 Stress Stability, Common Wheat. Stress stability scores of common hard spring wheat varieties resulting from terminal drought and nitrogen (N) stress in trials conducted in Yolo and Fresno Counties of California during the 2017-18, 2018-19 and 2019-2020 seasons. Terminal drought and N stress responses are based on averages of 3 and 4 site-years of data, respectively. The normalized stress response is calculated as: [(Ai / mean A) + [(Bi - mean B) / (mean B)]]*100, where A is a fully watered/fertilized control, B is a managed stress trial grown at the same location, and i is an individual variety. Stress stability score = normalized stress response - 100. Stress trials are managed identically except for the exclusion of irrigation after the vegetative growth period (terminal drought) or the exclusion of N fertilizer additions throughout the season (N stress).

	Terminal Drought Stress Response										Nitrogen Stress Response									
	Yield				Protein Yield			Protein			Yield				Protein Yield			Protein		
Variety Name	Rank	Response (%)	SE Response	p-value	Response (%)	SE Response	p-value	Response (%)	SE Response	p-value	Rank	Response (%)	SE Response	p-value	Response (%)	SE Response	p-value	Response (%)	SE Response	p-value
AP OCTANE	2	13.9	7.1	0.057	-0.4	8.2	0.962	-12.2	6.5	0.068	3	17.9	5.3	0.001	0	8.2	0.995	-23.4	3.6	0
AP VENOM	18	-6	7.1	0.399	-9.1	8.2	0.271	0.7	6.5	0.919	8	9.4	5.3	0.085	-4.6	8.2	0.572	-9.6	3.6	0.01
SY 64-1-9	7	6.6	7.1	0.355	4.6	8.2	0.576	3.9	6.5	0.549	1	30.7	5.3	0	33.4	8.2	0	-5.4	3.6	0.138
SY BLANCA GRANDE 515	11	4	7.1	0.579	16.9	8.2	0.045	-1.7	6.5	0.795	16	-4.7	5.3	0.377	-9.6	8.2	0.246	2.2	3.6	0.547
SY CAL ROJO	6	7.4	7.1	0.3	-1.2	8.2	0.888	-8.3	6.5	0.208	12	-0.7	5.3	0.891	-7	8.2	0.392	-6	3.6	0.104
SY SIENNA	14	2	7.1	0.775	8.6	8.2	0.297	3.7	6.5	0.575	20	-13.8	5.3	0.012	-8.3	8.2	0.312	4.3	3.6	0.241
SY SUMMIT 515	10	4.8	7.1	0.5	-2.2	8.2	0.792	-5.4	6.5	0.409	10	1.8	5.3	0.733	-4.3	8.2	0.597	-7.8	3.6	0.034
UC 1884	9	6.2	7.1	0.388	3.4	8.2	0.68	4.7	6.5	0.469	14	-4	6.1	0.517	6.9	9.4	0.464	13.3	4.1	0.002
UC 1907	4	8.2	12	0.5	33.1	13.9	0.022	10.9	11	0.325	13	-3.4	7.4	0.648	16.3	11.4	0.158	15.3	5	0.003
UC 1909	21	-17.1	12	0.162	-0.7	13.9	0.962	12	11	0.281	19	-6.2	7.4	0.406	9.9	11.4	0.388	14.8	5	0.005
UC CENTRAL RED	8	6.4	7.1	0.374	5.9	8.2	0.478	4.2	6.5	0.523	9	3.7	5.3	0.492	2.1	8.2	0.799	1.4	3.6	0.696
UC CENTRAL WHITE	1	17.1	7.1	0.021	14.2	8.2	0.091	-6.9	6.5	0.294	2	24.2	6.1	0	13.8	9.4	0.146	-8.9	4.1	0.036
UC LASSIK	13	2.4	7.1	0.741	-9.1	8.2	0.272	-7.4	6.5	0.258	7	9.5	5.3	0.081	-3.7	8.2	0.651	-12.6	3.6	0.001
UC PATWIN 515	5	8.1	7.1	0.259	7.1	8.2	0.391	0.3	6.5	0.958	4	17.5	5.3	0.002	2.4	8.2	0.77	-11.5	3.6	0.002
UC PATWIN 515 HP	16	-3.8	7.1	0.593	7.8	8.2	0.348	13.6	6.5	0.042	11	0.6	5.3	0.914	19.6	8.2	0.02	13.1	3.6	0.001
UC YUROK	15	1.7	7.1	0.812	-3.9	8.2	0.639	-8.1	6.5	0.219	6	10.2	5.3	0.06	5.8	8.2	0.48	-7.2	3.6	0.05
WB 9229	17	-5.5	7.1	0.438	1.6	8.2	0.844	4.1	6.5	0.531	15	-4.1	5.3	0.448	5.8	8.2	0.48	8.8	3.6	0.018
WB 9699	3	9	7.1	0.211	0.6	8.2	0.942	-4	6.5	0.54	5	13.1	5.3	0.017	0.1	8.2	0.992	-14.6	3.6	0
WB 9904	20	-13.5	7.1	0.064	-22.2	8.2	0.01	-7.7	6.5	0.244	17	-5.2	5.3	0.334	-17.7	8.2	0.034	-13.1	3.6	0.001
WB JOAQUIN ORO	22	-20	7.1	0.008	-17.4	8.2	0.04	6	6.5	0.361	22	-32.8	5.3	0	-14.1	8.2	0.091	22.3	3.6	0
WB PATRON	19	-7.2	7.1	0.315	-12.1	8.2	0.148	-6	6.5	0.358	18	-5.3	5.3	0.322	-9.7	8.2	0.242	-4.7	3.6	0.195
WINCAL 158-5	12	3.8	12	0.752	2.5	13.9	0.86	0.3	11	0.981	21	-14.6	7.4	0.054	-22.7	11.4	0.051	-9.6	5	0.061
YECORA ROJO 515 HP	23	-28.3	7.1	0	-28	8.2	0.001	3.2	6.5	0.621	23	-43.5	6.1	0	-14.3	9.4	0.134	38.8	4.1	0