Year	Trial Location	Latitude	Longitude	Crop	Crop Type	Variety	UC Number	Avg. Yield (lb/ac)	St.Dev., Yield	Trial Coef.Var., Yield	Rank, Yield	Avg. Protein (%)	St.Dev., Protein	Rank, Protein	Test Weight	Thous.Kern.Weight(g)	Plant Height (in)	Lodging, soft dough (1-8)	Lodging, harvest (1-8)	Shatter, (1-8)	Stripe rust, early (1-8)	Stripe rust, late (1-8)	Bar.Yell.Dwarf (1-8)	Leaf rust (1-8)	Septoria (1-8)	Days to heading	Days to Matur.
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	XA 9501	1845	6592	584	7.9	1	10.2	0.4	40	63.8	46.2	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WB 9904	1751	6525	472	7.9	2	11.7	1.3	14	63.3	50.5	31	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	XA 9502	1846	6502	727	7.9	3	10.5	0.6	38	65.5	51	39	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	XA 9301	1843	6501	443	7.9	4	10.9	1.3	30	64.8	51.5	31	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY ULTRA	1590	6425	358	7.9	5	11.2	1.1	24	58.8	45.5	25	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	APB 500709	1819	6403	494	7.9	6	10.6	1.2	34	64.2	48	31	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	UC 15010 27	1815	6400	217	7.9	7	10.6	0.7	37	63.1	49	28	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	APB 501089	1828	6375	570	7.9	8	11.5	0.8	17	63.6	48.5	27	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	UC PATWIN 515	1680	6369	714	7.9	9	11.2	0.8	25	63.9	49.5	26	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	LCS 12SB0197	1830	6360	168	7.9	10	10.1	1.4	43	63.4	50	34	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	SY BLANCA ROYALE	1522	6326	614	7.9	11	11.3	1	20	63.8	51	28	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	LCS ATOMO	1723	6312	290	7.9	12	11.6	0.8	15	65.2	47.5	29	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY REDWING	1521	6273	274	7.9	13	11.7	1.4	12	-	-	25	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	WB 7566	1802	6204	374	7.9	14	11	1.7	27	64.5	50	27	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	APB 510453	1841	6160	443	7.9	15	11	1.3	26	65.1	50	31	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY 314	1660	6101	238	7.9	16	10.7	0.9	33	63.8	44.5	27	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	XA 9302	1844	6075	339	7.9	17	10.9	1.5	28	66	50	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WB 9350	1842	6040	844	7.9	18	11.2	1.5	23	63.9	50.5	28	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY 13W00886	1835	6032	624	7.9	19	12.1	0.2	7	64.1	49	29	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	XA 9503	1847	6018	270	7.9	20	11.7	0.7	13	64.1	50.5	26	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY 13W00850	1834	6000	198	7.9	21	11.6	1.8	16	64.8	49	31	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	UC YUROK	1745	5998	555	7.9	22	11.8	1.3	11	64.8	47.5	34	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	SY BLANCA GRANDE 515	1657	5838	655	7.9	23	12.6	1.3	4	65.8	49	26	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	SRS	ASSL TAM 204	1778	5729	507	7.9	24	10.3	0.7	39	61	41.5	34	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	UC PATWIN 515HP	1743	5705	271	7.9	25	13.4	1.9	3	63.2	46.5	27	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	LCS 12SB0224	1831	5699	447	7.9	26	10.6	1.8	35	63	50	31	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	UC 16010 20	1838	5683	336	7.9	27	13.7	0.2	1	64.8	49.5	35	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WB PATRON	1731	5630	919	7.9	28	10.8	0.7	32	64.8	50.5	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	APB 410117	1840	5521	568	7.9	29	10.9	1.5	29	63.8	48.5	28	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY SUMMIT 515	1658	5511	366	7.9	30	11.3	1.3	19	64.6	49	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	UC LASSIK	1495	5499	416	7.9	31	10.9	1.6	31	-	-	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	UC ANZA	20	5495	253	7.9	32	10.1	0.3	42	63.9	45	29	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WB 9112	1748	5448	711	7.9	33	12.1	0.9	8	64.8	48	27	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WWW FV 2808	1608	5436	631	7.9	34	9.9	0.9	44	64.1	47.5	34	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	SY CAL ROJO	1478	5417	402	7.9	35	10.6	0.8	36	64	51	25	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	UC 15014 4	1817	5398	564	7.9	36	11.4	0.3	18	64.3	48.5	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	YECORA ROJO	112	5323	319	7.9	37	12	1.1	9	63.5	48.5	24	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	UC 16010 32	1839	5272	417	7.9	38	12.4	1.8	5	63.3	45	33	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	LCS STAR	1688	5222	111	7.9	39	11.3	1.6	22	65.4	46.5	29	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	SRS	SY VACA	1766	5193	516	7.9	40	8.7	1.1	45	64.3	51.5	41	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	SWS	BAG NEW DIRKWIN	1667	4904	382	7.9	41	10.1	0.3	41	59.3	47.5	38	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HWS	UC 15080 49	1837	4860	416	7.9	42	12.2	1.3	6	59.7	41.5	26	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	UC 14657 170	1836	4723	525	7.9	43	12	0.6	10	60.5	43.5	30	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WB 9229	1730	4715	585	7.9	44	11.3	0.1	21	64.6	47.5	27	-	-	-	-	-	-	-	-	-	-
2017	FRESNO_LOW_water	36.339804	-120.119237	COMMON	HRS	WB JOAQUIN ORO	1728	4056	377	7.9	45	13.5	0.9	2	65	49	24	-	-	-	-	-	-	-	-	-	-