

Table 6. Quality traits of durum varietes grown in the Advanced Yield Trials at **Langdon ND 2009**.

Variety	Test Weight	Vit kern	1000 kwt	Lg %	Sm %	Fall no	Sed mm	Wheat prot %	Semo prot %	Total ext %	Semo ext %	Semo ash %	Specks #/10 sq in	Mixo	Pasta color	Cook wt g	Cook loss %	Firm g cm	Mean GI	Glutograph Seconds	Relax BU
AC Napoleon	58.8	94	46.7	78	1	314	36	12.8	11.2	72.3	66.9	0.68	30	6	8.5	29.8	7.9	3.8	44.3	5.5	285.3
AC Navigator	58.5	97	39.8	58	3	379	49	13.9	12.3	73.4	66.4	0.78	37	6	8.5	29.6	7.3	4.7	55.8	12.0	275.1
Alkabo	61.1	71	44.6	76	1	273	31	12.2	10.9	72.8	65.1	0.70	30	5	8.0	30.1	8.7	3.8	32.6	3.0	294.8
Alzada	54.8	87	36.5	56	3	275	61	14.8	13.3	71.5	64.9	0.86	23	8	7.5	29.5	7.3	4.8	92.4	17.0	238.5
Ben	60.4	95	46.5	77	1	265	35	13.4	11.8	72.3	66.3	0.68	30	5	7.5	29.8	8.2	3.6	30.2	1.5	324.7
Commander	56.6	95	38.0	60	2	315	60	14.2	12.4	72.3	64.9	0.76	27	8	8.5	28.3	8.6	4.8	85.4	125.0	146.7
DG Max	60.0	83	42.7	69	1	189	41	13.2	11.9	73.1	66.1	0.72	30	7	8.5	30.9	8.2	3.6	58.5	25.0	236.4
DG Star	57.9	89	41.2	58	4	138	58	13.4	11.9	70.7	63.7	0.73	30	8	7.5	30.0	8.8	4.0	76.7	16.5	275.8
Dilse	60.4	86	44.8	73	2	237	34	14.0	12.1	71.7	65.1	0.78	33	5	8.0	30.5	8.4	4.1	34.2	2.5	311.8
Divide	59.2	86	45.7	77	2	433	50	14.3	12.7	73.1	65.9	0.70	37	7	7.5	30.1	8.1	4.2	60.0	16.0	241.8
Grenora	59.8	91	46.7	77	1	260	41	13.4	11.6	73.5	65.2	0.68	40	5	8.0	30.5	8.3	3.9	48.4	10.5	260.9
Lebsock	61.5	84	44.1	77	1	306	35	12.7	11.2	73.7	67.3	0.67	37	5	7.5	30.4	8.5	3.6	34.2	1.5	324.3
Maier	59.8	94	41.5	67	2	259	41	14.0	11.6	72.5	66.6	0.77	37	5	8.0	29.6	8.3	4.0	31.0	3.0	294.2
Mountrail	60.4	82	43.9	75	2	202	32	12.5	11.2	72.6	65.9	0.72	27	4	7.5	30.6	8.1	3.4	2.5	1.0	263.0
Pierce	61.6	92	43.1	77	1	335	43	12.9	11.2	71.5	65.3	0.70	40	7	8.5	29.8	8.5	4.0	52.4	6.5	295.5
Rugby	60.1	81	43.1	70	2	259	20	13.1	11.6	71.7	65.4	0.71	33	3	8.0	31.5	8.6	3.2	1.4	0.5	265.8
Strongfield	59.9	91	41.2	67	2	223	47	13.8	12.3	72.4	64.3	0.68	23	7	8.0	30.4	8.3	4.1	52.5	18.0	243.9
Tioga	59.8	81	47.6	82	1	202	46	12.9	11.0	71.3	63.9	0.67	23	6	7.5	30.3	7.9	3.7	61.2	2.5	309.1
Wales	59.7	80	42.9	75	2	196	48	12.7	11.5	72.7	65.7	0.78	27	7	7.5	30.3	9.4	3.8	54.9	37.0	198.4
Average	59.5	87	43.2	71	2	266	43	13.4	11.8	72.4	65.5	0.73	31	6	7.9	30.1	8.3	4.0	47.8	16.0	267.7