

Table 5. Quality traits of durum varieties grown in the Advanced Yield Trails at **Hettinger 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
AC Napoleon	58.8	98	40.5	44	3	536	45	14.9	13.4	72.0	65.9	0.66	27	6	9.0	29.9	6.6	5.0	72.1
AC Navigator	61.2	98	39.8	54	2	445	60	14.5	12.7	73.3	66.6	0.70	30	7	9.0	29.6	6.4	5.0	86.0
Alkabo	60.7	99	34.4	22	7	595	50	14.4	12.8	71.5	65.4	0.69	23	6	9.5	30.2	6.4	5.2	64.7
Alzada	59.3	97	40.8	58	5	342	59	15.3	13.4	71.8	65.6	0.67	27	6	8.5	30.0	6.5	5.1	90.7
Ben	60.3	99	34.2	25	7	619	52	14.4	13.0	73.2	67.1	0.70	30	5	9.0	30.5	5.7	4.8	67.7
Commander	60.3	98	40.3	49	5	475	64	14.5	12.8	73.0	65.5	0.61	27	7	9.0	30.1	6.5	4.9	96.0
DG Max	60.6	99	39.2	52	5	375	51	15.2	13.5	72.2	66.4	0.69	27	7	8.5	30.2	6.6	4.4	75.0
DG Star	60.8	99	39.2	39	6	541	65	14.8	13.2	70.7	64.5	0.66	30	8	9.0	30.0	6.6	5.0	91.7
Dilse	60.7	99	33.7	24	7	430	49	16.1	14.3	72.4	66.2	0.73	27	5	9.0	30.7	5.9	5.8	58.4
Divide	59.9	99	35.6	22	5	603	55	14.2	12.9	71.9	65.6	0.74	20	7	9.5	31.4	6.8	4.6	83.7
Grenora	59.5	99	35.0	26	6	667	52	14.4	12.8	71.2	65.0	0.69	33	6	9.5	30.3	6.1	5.2	76.0
Lebsock	61.6	99	36.2	33	5	523	51	14.8	13.2	73.0	67.3	0.67	30	5	8.5	30.3	6.3	5.2	64.7
Maier	60.7	99	33.1	17	8	659	57	14.8	13.5	73.3	67.4	0.77	13	5	8.5	30.6	5.7	5.1	57.4
Mountrail	58.3	99	31.5	13	12	630	46	14.3	12.9	71.9	66.7	0.78	33	4	8.5	30.8	5.6	4.7	44.4
Pierce	60.5	99	33.9	23	8	592	55	14.6	13.1	70.5	65.2	0.69	33	7	9.5	30.0	6.2	5.3	78.8
Rugby	60.0	99	37.6	40	8	524	24	15.3	13.3	74.0	68.4	0.72	30	3	8.0	31.2	6.1	4.6	5.4
Strongfield	59.9	98	37.2	52	4	385	51	16.1	14.2	72.0	64.9	0.65	37	7	8.5	30.5	6.3	5.4	76.9
Tioga	60.5	99	36.1	30	6	369	65	14.8	13.3	70.6	64.2	0.72	23	7	9.5	30.1	6.6	5.2	80.2
Wales	61.1	98	41.5	51	5	385	57	14.2	12.9	72.8	66.7	0.66	20	7	8.5	30.4	6.8	4.5	84.4
Average	60.2	99	36.8	35	6	510	53	14.8	13.2	72.2	66.0	0.69	27	6	8.9	30.4	6.3	5.0	71.3