

Table 2. Quality traits of durum varieties grown in the Advanced Yield Trails at **Carrington ND 2009.**

Variety	Test Weight	Vit kern	1000 kwt	Lg	Sm	Fall no	Sed	Wheat prot	Semo prot	Total ext	Semo ext	Semo ash	Specks	Mixo	Pasta color	Cook wt	Cook loss	Firm	Mean GI
	lb/bu	%	g	%	%	sec	mm	%	%	%	%	%	#/10 sq in			g	%	g cm	
AC Napoleon	61.7	97	44.4	56	1	619	32	12.4	10.8	74.0	67.9	0.71	23	7	9.5	30.0	6.7	4.4	60.4
AC Navigator	61.7	98	43.9	54	1	539	40	12.5	12.5	75.2	68.0	0.75	33	8	9.0	29.6	7.1	4.4	73.6
Alkabo	62.2	97	45.2	64	2	378	41	14.4	12.9	73.2	66.5	0.72	37	7	9.0	29.6	7.0	5.0	55.0
Alzada	61.4	96	48.8	80	1	508	52	14.4	9.7	74.4	68.3	0.75	27	8	8.5	30.4	7.1	5.1	92.4
Belzer	60.3	93	44.4	63	1	311	45	12.7	12.9	73.4	66.5	0.84	37	7	8.5	29.2	7.0	4.7	76.1
Ben	61.7	98	49.3	73	1	254	38	14.7	12.0	73.4	67.0	0.69	27	6	8.5	29.7	7.0	5.0	61.6
Commander	61.5	98	45.5	64	1	539	46	12.1	13.1	74.6	68.0	0.72	23	8	9.5	29.7	7.2	4.2	88.9
DG Max	61.7	99	42.4	63	1	412	46	14.4	13.4	74.1	67.7	0.72	27	8	9.0	29.7	6.7	5.0	63.9
DG Star	60.9	99	42.9	53	2	315	57	14.8	13.2	73.0	66.5	0.68	20	8	8.5	29.4	6.9	4.9	90.8
Dilse	61.8	98	45.2	60	1	372	36	14.7	12.5	74.4	67.8	0.76	30	6	9.0	30.0	6.7	5.3	52.2
Divide	61.7	98	43.3	60	1	487	50	14.4	11.8	73.2	67.2	0.66	33	8	9.0	29.5	6.9	4.7	79.5
Grande D' Oro	62.9	97	44.8	59	1	363	35	12.3	13.0	72.7	67.0	0.63	40	5	9.0	30.2	6.8	4.3	48.9
Grenora	62.1	98	44.8	67	1	367	45	14.0	12.9	73.7	67.0	0.68	23	8	9.0	29.7	6.8	4.6	66.6
Lebsock	62.2	99	42.6	64	1	347	33	14.3	13.5	74.2	68.2	0.72	30	5	8.0	30.5	6.9	4.7	44.8
Maier	61.2	97	41.3	53	2	285	35	14.0	13.1	72.8	66.4	0.71	37	6	9.0	29.8	7.3	4.4	55.3
Mountrail	60.9	95	41.7	44	3	269	33	13.0	12.8	70.8	65.8	0.73	33	4	8.5	30.1	6.8	4.2	38.9
Pierce	62.3	98	38.8	52	2	462	41	14.2	13.0	71.9	65.7	0.74	33	7	9.0	29.4	6.4	5.4	57.9
Rugby	61.1	87	41.0	59	1	294	20	14.6	13.5	74.4	67.3	0.72	30	3	8.5	30.5	6.7	3.7	5.1
Strongfield	62.1	98	43.3	62	1	432	45	14.6	11.3	72.6	65.7	0.63	30	8	9.0	30.3	6.6	5.2	62.1
Tioga	62.1	86	41.2	64	1	265	42	11.4	10.2	73.2	65.7	0.69	23	8	8.5	30.4	7.7	3.7	72.8
Wales	61.3	98	42.6	58	1	431	46	14.8	11.9	73.8	67.8	0.71	30	8	8.5	29.8	6.8	5.1	76.9
Westhope	62.3	97	43.5	67	1	379	40	13.0	11.4	73.7	67.1	0.73	33	8	8.5	30.1	7.4	4.3	72.0
Average	61.7	96	43.7	61	1	392	41	13.7	12.3	73.5	67.0	0.71	30	7	8.9	29.9	6.9	4.7	63.4