

**Table 3.** 1990 Spring Wheat Variety Trial - USDA/ARS, Mandan, ND

	<b>MEASUREMENT<sup>a</sup></b>											
<b>Variety</b>	<b>POP</b>	<b>HEA</b>	<b>WHE</b>	<b>HES</b>	<b>HGT</b>	<b>TEW</b>	<b>YIE</b>	<b>STR</b>	<b>YIM</b>	<b>KPH</b>	<b>TKW</b>	<b>NEG</b>
	no/m <sup>2</sup>	no/m <sup>2</sup>	%	no	in	lbs/ac	bu/ac	lbs/ac	bu/ac	no	mg	%
Amidon	230	443	3.2	1.9	37	61.7	41.3	5086	49.2	30.3	35.51	2.91
Butte 86	210	465	1.4	2.2	34	62.5	45.1	4462	48.7	26.1	27.35	3.00
Cutless	234	479	3.1	2.0	34	62.3	40.9	4754	44.8	25.5	25.51	2.93
Granin	217	422	2.0	1.9	34	61.9	46.9	4551	49.9	28.4	28.56	3.08
Gus	241	490	1.5	2.0	33	61.5	48.0	4463	53.2	28.8	25.82	3.27
Marshall	257	452	2.5	1.7	31	60.4	50.8	4591	55.1	35.3	23.81	3.03
Nordic	255	446	3.5	1.7	33	61.2	55.6	4193	59.5	31.1	29.98	2.66
Stoa	219	442	1.7	2.0	34	62.7	51.1	4694	50.0	28.0	28.73	3.14
Vance	193	389	2.9	2.0	30	68.0	40.9	4112	43.5	29.9	26.42	3.12
<b>LSD</b>	<b>24</b>	<b>NS</b>	<b>1.2</b>	<b>NS</b>	<b>1.6</b>	<b>0.6</b>	<b>2.5</b>	<b>542</b>	<b>6.8</b>	<b>4.0</b>	<b>1.27</b>	<b>0.13</b>

a

POP = Plant population, pre-three leaf stage.  
 HEA = Total heads (includes those that were white).  
 WHE = White heads.

HES = HEA/POP.

HGT = Height at harvest.

TEW = Test weight.

YIE = Grain yield, combine sample.

STR = Straw yield, from square meter samples.

YIM = Grain yield, from square meter samples.

KPH = Kernels per head, calculated from HEA, YIM, and TKW from YIE.

TKW = 1000-kernel weight, combine sample

NEG = Nitrogen concentration in grain, combine sample.

(All weights are expressed on an oven-day basis.)