Small Grain Variety Yield Comparisons
The University of Arizona Mesa Experiment Farm
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Table 1. Durum wheat variety yield test data summary from The University of Arizona Mesa Experiment Farm in 1980. This replicated test was seeded November 26, 1979 at the rate of 70 lbs per acre and received 195 lbs N per acre in two applications.

Variety	Lodging (%)	Heading date	Height (in)	Test weight (lbs/bu)	Yield[2/] (lbs/acre)
Germains 5003	1	3-15	36	64.7	7534 a
Bittern "S" (5Y)	19	3-19	39	66.4	6989 a
Mexi "S" x Fg "S" (10)	18	3-16	40	63.3	6933 a
Cando	0	4-9	40	63.2	6853 ab
1000 D	0	4-6	41	60.7	6767 abc
UC 320	2	4-9	42	63.3	6723 abcd
Aldura	0	3-17	35	65.4	6682 abcd
Mexicali 75	10	3-12	41	63.9	6344 bcde
Bittern "S" (3Y)	23	3-20	41	66.0	6333 bcde
Produra	2	3-14	37	64.3	6293 cde
Bittern "S" (4Y)	25	3-19	40	65.6	6169 de
Jori 69	9	3-19	38	64.8	5973 e
WA 6286	2	4-9	40	61.0	5897 e
VC 304	0	4-9	38	64.4	5779 e
VC 313[1/]	0	4-11	37	61.4	4787
Valtasguinio[1/]	10	4-8	42	58.9	4682

[1/]Poor stand
[2/]Yields followed by the same letter are not significantly different at the 5% level of probability.

Table 2. Durum variety yield test data summary from the University of Arizona Mesa Experiment Farm in 1980. This replicated test was seeded November 26, 1979 at the rate of 70 lbs per acre and received 195 lbs N in two applications.

Variety	Lodging (%)	Heading date	Height (in)	Grain Yield[1/] lbs/bu	lbs/acre
WDE-78-8-13	4	4-2	42	61.2	7044 a
1000 D	0	4-5	40	60.1	7015 a
WDE-78-16-2	4	3-17	42	62.3	7000 a
Aldura	0	3-17	35	65.2	6851 ab
WDE-78-4-5	2	4-2	42	64.1	6851 abc
Mexicali 75	14	3-12	41	63.7	6672 abc
WDE-78-13-3	10	3-16	42	64.0	6569 abc
WDE-78-10-9	0	3-13	40	62.0	6533 abc
WDE-78-10-1	0	3-17	40	63.4	6531 abc
WDE-78-18-7	6	3-13	40	64.9	6381 bc
WDE-78-2-10E	55	3-14	39	62.6	6298 bc
WDE-78-5-9	22	3-13	41	64.0	6272 bc
WDE-78-1-2	0	3-13	40	63.7	6219 c
WDE-78-5-6	0	3-12	39	64.7	6136 c
WDE-78-4-6	0	3-19	42	62.1	5944
WDE-78-7-2	2	4-8	45	62.0	4572

[1/]Poor stand

Table 3. Hard red wheat variety yield test data summary from The University of Arizona Mesa Experiment Farm in 1980. This replicated test was seeded November 26, 1979 at the rate of 70 lbs per acre and received 195 lbs nitrogen in two applications.

Variety	Lodging (%)	Heading date	Height (in)	Test weight lbs/bu	Yield[1/] lbs/acre
Super-X	3	3-22	41	63.1	7287 a
Anza	2	3-22	42	61.8	7276 a
WPB 225	0	3-24	35	64.4	7090 ab
WPB 201	0	3-27	32	63.9	6728 abc
Zaragoza 75 (SR)	0	3-25	40	62.5	6661 abcd
Siete Cerros (W)	4	3-24	44	64.0	6633 bcde
Probred	0	3-15	34	60.4	6455 cde
Probrand 771	0	3-18	36	63.6	6417 cde
Inia 66	0	3-12	43	61.6	6391 de
WPB-MT7	0	3-15	33	63.2	6145 de
Shasta	3	3-16	43	63.4	6120 de
Yecori Rojo	0	3-14	31	62.2	6061 e
DK-49	0	3-17	36	62.7	6027 e
Cajeme 71	1	3-15	36	62.4	5995 e
Germains 3008	0	3-18	35	64.5	5859
WPB 906R	1	3-13	38	63.8	5757

[1/]Poor stand

Table 4. White wheat variety yield test data summary from The University of Arizona Mesa Experiment Farm in 1980. This replicated test was seeded November 26, 1979 at the rate of 70 lbs per acre and received 195 lbs N in two applications.

Variety	Lodging (%)	Heading date	Height (in)	Test weight lbs/bu	Yield[1/] lbs/acre
Flicker "S"	0	3-23	45	62.9	7413 a
Pavon "S"	0	3-18	46	64.5	7410 a
Abu-Graib #3	0	3-16	43	62.5	7332 ab
Nacozari 76	0	3-19	42	64.5	7088 abc
Pavon 76	0	3-19	43	65.3	6984 abcd
Maya 77-30	0	3-18	43	62.8	6960 abcd
Yecorato 77	0	3-14	35	63.9	6917 abcd
Pima 77	0	3-21	42	63.5	6841 bcd
Siete Cerros	0	3-20	44	64.2	6725 cd
Maya 77-50	1	3-13	38	62.5	6710 cd
Torim 73	0	3-16	32	64.3	6547 d
NK 1817	0	3-14	39	63.9	6503 d
521	0	3-18	38	61.1	6489 d
Maya 77-24	1	3-21	43	60.7	6457 d
Maya 77-56	3	3-16	45	62.0	6263
Cleopatra	0	3-15	41	64.2	5660

[1/]Poor stand

Table 5. Bread wheat selections yield test data summary from The University of Arizona Mesa Experiment Farm in 1980. This replicated test was seeded November 26, 1979 at the rate of 70 lbs per acre and received 195 lbs N per acre in two applications.

Selection	Lodging (%)	Heading date	Height (in)	Test weight lbs/bu	Yield[1] lbs/acre
61-2	0	3-25	37	62.1	7140 a
C78-4	0	3-22	36	61.6	6753 ab
C78-235	1	3-23	42	63.8	6715 ab
Yecori Rojo	0	3-13	34	64.7	6431 bc
233-1	2	3-23	36	59.5	6375 bc
C78-229	0	3-29	35	60.5	6210 cd
C78-248	1	3-17	41	64.7	6168 cde
31-2	0	4-9	36	58.5	5796 de
Cajeme 71	4	3-18	36	63.7	5781 de
Inia 66	1	3-15	42	63.6	5723 de
C78-238	0	3-14	35	63.6	5700 de
C78-156	0	3-18	36	60.3	5698 de
119-1	0	4-11	37	60.7	5688 e
Dob-1	0	3-12	40	65.9	5615 e
187-2	0	4-10	35	56.5	5317
Toluca 73	25	3-13	41	63.7	5223

[1] Poor stand

Table 6. Barley variety yield test data summary from The University of Arizona Mesa Experiment Farm in 1980. This replicated test was seeded November 28, 1979 at the rate of 70 lbs per acre and received 195 lbs N per acre in two applications.

Variety	Lodging (%)	Heading date	Height (in)	Test weight lbs/bu	Yield[1] [2] lbs/acre
WPB 78-77	1	4-1	33	1	7045 a
NK X2505	0	3-26	35	2	6982 a
Sunbar 409	0	3-30	34	3	6903 a
WPB 78-61	0	3-22	36	4	6516 a
WPB 78-54	1	3-22	38	5	6482 a
Kombar	0	3-26	37	6	6470 a
Gus	3	3-28	35	7	6460 a
Prato	16	3-19	37	8	6436 a
WPB 78-12	60	3-8	39	9	6431 a
Sunbar 401	24	3-19	34	10	6355 a
Signal	78	3-11	41	11	6291 a
WPB 78-58	0	3-22	37	12	6280 a
Sunbar 400	7	3-20	35	13	6232 a
WPB 78-20	0	3-24	32	14	6031 a
WPB 78-7	4	3-31	34	15	6029
CM-72	90	3-11	37	16	5368

[1] Poor stand
[2] Yields followed by the same letter are not significantly different at the 5% level of probability.

Table 7. Dryland wheat yield test data summary from The University of Arizona Mesa Expdriment Farm in 1980. Seeded Nov. 29, 1979 at the rate of 20 lbs per acre and received 50 lbs N prior to planting.

Variety	Heading date	Test weight lbs/bu	Yield[1/2/] lbs/acre
Anza	3-21	57.7	3747 a
Gabo	3-18	58.3	3680 a
Petic 62	3-16	57.3	3601 a
Cajeme 71	3-17	58.0	3583 a
Siete Cerros	3-21	57.5	3567 a
MSFRS Ea. Mat. 3rd Cy.[12]	3-16	58.6	3499 a
Mexipak	3-20	56.7	3400 a
MSFRS Sel pl 4th Cy.	3-19	58.1	3319 a
Toluca 73	3-12	58.1	3315 a
MSFRS Base-1 '79	3-19	59.1	3308 a
Aim	3-19	57.5	3307 a
MSFRS Lg. Seed Blk	3-19	58.1	3116 a
MSFRS Lg. Seed 4th Cy.[12]	3-18	59.4	3096 a
MSFRS Base-1 '77	3-17	59.3	3062 a
MSFRS Lg. Seed 4th Cy.[10]	3-19	58.2	3030
MSFRS Ea. Mat. 3rd Cy.[10]	3-15	59.7	2996

[1/] Poor stand
[2/] Yields followed by the same letter are not significantly different at the 5% level of probability.

Small Grain Variety Yield Comparisons
The University of Arizona Safford Experiment Station
R. K. Thompson, F. A. Turner and R. E. Cluff

These tests were planted January 3, and harvested June 23, 1980 in randomized blocks with four replications. Seeding rate was 90 lbs per acre. Fertilization at planting time was 460 lbs 16-20-0. An additional 130 lbs N was applied in three applications.

Table 1. Bread wheat varieties

Variety	Class	Lodging (%)	Maturity range	Height (in)	Test weight lbs/bu	Gram Yield[1/] lbs/acre
Anza	HR	0	Med-Late	33	63.7	6908 a
Probrand 771	HR	0	Medium	29	61.8	6753 a
WPB 195-2	HR	0	Medium	29	61.6	6613 ab
WPB 906	HR	0	Late	41	61.7	6599 ab
Nacozari 76	HW	0	Medium	37	63.9	6500 ab
Probred	HR	0	Medium	29	64.2	6382 abc
Pavon 76	HW	0	Medium	36	64.1	6190 bcd
Germains 3008	HR	0	Medium	30	62.9	5926 cde
Super-X	HR	0	Medium	34	63.1	5752 de
WPB-MT7	HR	0	Early	28	65.9	5702 de
Zaragoza 75	SR	0	Medium	33	60.5	5669 de
Cajeme 71	HR	0	Medium	29	64.7	5581 e
Tanori 71	HR	0	Early	37	65.3	5499 e
Hermosillo 77	HR	0	Medium	34	64.1	5443 e
Inia 66	HR	0	Early	37	62.9	5115
Castan	SR	0	Med-Late	38	59.8	4626

[1/] Poor stand

Table 2. Durum wheat varieties