

Winter Wheat Variety Demonstration

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Field Testing. University of Arizona (7) 1981.

Dean Lunt Greenlee County

Elevation: 3540

Crop History:

Planted: December 27, 1980

Harvested: July 8, 1981

Seeding Rate: 175 lbs/A

Previous Crop: Wheat

Insecticide: None

Weed Control: None

Fertilizer:

Source	Lbs/A	Time of Application	Lbs N/A	Lbs P ₂ O ₅ /A
16-20-0	300	Prior to Planting	48	60
46-0-0	250	During Planting	115	
		Total	163	60

Plot Size: 12 x 238 feet

Soil Analysis: pH = 7.8 (paste with distilled H₂O);
 $EC_e \times 10^3 = 1.63$ (to convert $EC_e \times 10^3$ to soluble salts, multiply
 $EC_e \times 10^3 \times 700$)
 Soluble salts = 1141 ppm
 N = 19.05 ppm (from CO₂ extraction. Nitrate reported as N. To
 convert N to NO₃, multiply N x 4.4).
 P = 2.5 ppm (CO₂ extraction. Phosphate reported as P. To convert
 P to PO₄, multiply P by 3.1).
 Date of Sample: Dec. 27, 1980 (University of Arizona Laboratory).

Entry	Yield (lbs/plot)			Ave Yield (lbs)	Ht ^{1/} (in)	Bu Wt ¹ (lbs)	Lodging ^{1/} (%)	% Harvest Moisture ¹	Yield ^{2/} (lbs/A)
	Rep 1	Rep 2	Rep 3						
NK Pro Brand 812	417	507	507	477	35	58	0	10.9	7275a
Cajeme 71 ^{3/}	443	480	507	477	31	58	10	10.8	7275a
Newton	---	474	472	473	40	59	65	11.8	7214ab
DeKalb H13012	405	453	522	460	40	60	15	11.0	7016ab
DeKalb H127	432	448	492	457	38	60	30	11.2	6975ab
DeKalb H132	390	491	435	439	40	60	40	10.9	6690abc
DeKalb H108	409	426	472	436	42	61	5	11.5	6645abc
TAM 101	338	461	422	407	36	59	20	11.0	6208abc
Pioneer PL145	325	412	399	379	40	58	55	11.0	5775 bc
NAPB Wings	351	420	354	375	42	60	35	11.6	5720 bc
Pioneer S78	359	375	370	368	38	58	20	10.8	5613 c
Pioneer S76	332	---	354	343	36	57	45	11.3	4677 c
NAPB Rocky	292	217	---	255	43	60	75	11.2	3882 d

^{1/} Figure shown is the average of measurement from three replications.

^{2/} All yields adjusted to 10% moisture. Means followed by the same letter are not significantly different at the .05 level by the Student-Newman Keuls' Test.

^{3/} Spring wheat included as a check variety.