Company	Entry	Yield (lbs/plot)[1/2/] Rep 2	Rep 3	Rep 4	Average Yield (lbs)	Harvest Moisture (%)	Bu.Wt. (lbs)	Yield[3/] (lbs/acre)
Pioneer	3183	3361	3600	3260	3407	24.0	56	12370a
Northrup King	PX74	3396	3283	3415	3365	21.1	56	12210ab
WAC	918	3382	3175	3401	3319	22.6	56	12050ab
Funk	G4507	3327	3081	3451	3286	19.9	55	11930abc
Northrup King	9573	3370	3168	3315	3284	20.7	57	11920abc
Cargill	949	3300	3120	3340	3253	20.4	56	11810abcd
Cenex	2380	3186	3244	3291	3240	21.5	55	11760abcd
Asgrow	RX90	3389	3059	3199	3216	20.9	55	11670abcd
DeKalb	XL-72aa	3285	3124	3183	3197	20.3	56	11610abcde
Asgrow	777	3254	3130	3203	3196	19.5	57	11600abcde
Funk	G4673	3236	3019	3262	3172	24.9	55	11510abcdef
NC+	59	3103	3109	3260	3157	21.5	55	11460abcdef
DeKalb	XL-71	3263	3188	3017	3156	21.8	56	11460abcdef
Paymaster	UC7251	3094	3075	3215	3128	20.1	57	11350abcdefg
Cargill	967	3161	3033	3119	3104	20.1	56	11270 bcdefg
Gutwein	2910	3128	2825	3263	3072	23.9	56	11150 bcdefg
Cenex	2124	3162	2806	3079	3016	26.3	56	10950 cdefgh
Gutwein	2875	3065	2860	2998	2974	23.7	56	10800 defgh
Moews	WM724	2904	3059	2910	2958	24.3	55	10740 defgh
Trojan	1189	2900	2860	3004	2921	23.2	55	10600 efgh
Ferry Morse	4020	2959	2752	2989	2900	23.5	55	10530 fgh
Pride	7759	2902	2703	3001	2869	20.9	57	10410 gh
Moews	WM822	2908	2723	2781	2804	20.6	56	10180 h

1/All yield data adjusted to a 15.5% moisture content.
2/Due to problems with one of the weighwagons used in replication one, those weights are not included. Had they been included the placement of the first six entries would have been as follows: NK's PX 74, 13030 lbs/acre, WAC 918, 12640 lbs/acre, Pioneer 3183, 12470 lbs/acre, Funks 4507 12420 lbs/acre, Cargill 949, 11840 lbs and Cenex 2124, 11830 lbs/acre.
3/Means followed by the same letter are not significantly different at .05 level by Student-Newman-Keuls' Test.

White Corn Variety Test

Lawrence M. Sullivan and Gary Cramer, Extension Agricultural Agents, Cochise County;
and David K. Parsons, Assistant Extension Specialist--Field Testing

H. Wayne Peterson, Cooperator Willcox, Arizona

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Elevation: 4200 ft

Crop History:

Planted: April 15, 1981
Harvested: September 22, 1981
Seeding Rate: 29,000 plants per acre
Previous Crop: Pinto beans following spring lettuce
Insecticide: None

Weed Control: 3.4 lbs/acre (A.I.) Sutan + and 1 lb/acre (A.I.) Bladex incorporated by disk prior to planting.

Fertilizer:

Source	Lbs/A	Time of Application	Lbs N/A
NH_3	200	Preplant	166
NH_3	200	Sidedress	166
		Total	332

Plot Size: 15'X1218' (six 30" rows)

Company	Entry	Rep 1	Rep 2	Rep 3	Rep 4	Ave. Yield (lbs)	Harvest Moisture (%)	Protein2/ (%)	Bu Wt (lbs)	Yield3/ (lbs/acre)
Asgrow	405W	4320	3842	4069	4008	4060	21.8	8.97	56	9660 a
DeKalb	390B	-	-	3791	3659	3725	17.6	9.09	56	8870 b
Cargill	XS71W	3742	3734	3650	3744	3718	19.4	-	56	8850 b
Cargill	SX70	3909	3609	3614	3707	3710	20.9	8.71	56	8330 b
Acco	U398W	3606	3528	3811	3498	3611	20.3	8.51	54	8590 b
Ferry Morse	42W	3763	3378	3598	3505	3561	20.3	8.36	56	8480 b
DeKalb	XL390	3485	3435	3828	3379	3532	19.0	8.70	57	8410 b
Asgrrow	962W	3285	3135	3825	-	3415	19.5	8.82	55	8130 b
NK	X233	3387	3295	3497	3404	3396	19.6	-	56	8080 b
Asgrow	403W	3227	3480	3366	3398	3368	22.6	8.88	54	8020 b
Funk	474W-1	3182	2887	3201	2921	3048	20.3	8.54	57	7250 c
DeKalb	B555	1399	1466	-	-	1432	37.1	8.77	53	3410 d

1/All yields have been adjusted to a 15.5% moisture content.
2/Analysis conducted by Charles W. Weber, Animal Science Professor, U. of Ariz. Dept. of Animal Sciences.
3/Means followed by the same letter are not significantly different at .05 level by Student-Newman-Keuls' Test.

Corn Silage Demonstration

Lester Dawson, Maricopa County Agricultural Agent; and
David K. Parsons, Assistant Extension Specialist--Field Testing, University of Arizona

Dick Hanger — Maricopa County

Elevation: 1200 feet

Crop History:
Planted: March 11, 1982
Harvested: July 7, 1982

Seeding Rate: 25000 seeds/acre
Plot Size: 6.3 X 1298 feet (two 38 inch rows)

Company	Entry	Yield (lbs/plot)1/ Rep 1	Rep 2	Rep 3	Rep 4	Ave Yield (lbs)	Ht (ft)	Harvest Population (1000)	Harvest Moisture %	Yield3/ (lbs/A)
Pioneer	3183	9500	9990	9360	9720	9640	9.8	23.9	73	25.5a
Northrup King	PX95	9000	8970	8800	8260	8760	9.8	24.3	77	23.2 b
Stauffer	S 7795	8600	8360	9150	8540	8660	9.7	22.0	73	23.0 b
Dairyland	DX 1020	8080	8120	8340	8900	8360	9.1	24.8	72	22.2 bc
Funks	S 4657	7690	8910	8040	7800	8110	9.9	24.6	74	21.5 bcd
Pride	8811	7180	8470	7640	7680	7740	9.6	19.2	77	20.5 cde
Pioneer	3147	7490	7740	7550	7990	7690	9.4	22.1	78	20.4 cde
Paymaster	U 395	6950	7700	7070	7920	7410	9.0	22.5	76	19.6 def
Taylors-Evans	Bushelmaker S	6980	7670	7720	6940	7330	11.2	19.1	78	19.4 def
Paymaster	U398W	6760	7990	7460	6900	7280	10.6	18.5	77	19.3 def
DeKalb	XL72B	6480	7580	7210	6460	6930	9.6	23.8	75	18.4 ef
Asgrow	RX98	5930	7390	6460	6600	6590	8.7	24.5	77	17.5 f

1/Yields have been adjusted to a 70% moisture content.
2/Maximum yield of high quality silage is usually obtained when harvested at the early dent growth stage as the corn approaches a dry matter content of 30%. Harvest dry matter percentage of less than 26 indicates an appreciable reduction of both yield and quality.
3/Yields followed by the same letter are not significantly different at the .05 level by the Student-Newman-Keuls' Test.