Table ___. Forage Yield of Small Grain Varieties
Lufkin Fine Sandy Loam Soil, College Station, 1956-57

Variety	Pounds air-dry forage per acre				
	1-7-57	2-12-57	3-26-57	5-7-57	Total
13 Mustang oats	810	1730	1880	990	5410
5 Alamo oats	1860	680	2110	1620	6270
1 New Nortex oats	1070	1620	2290	1660	6640
12 Abruzzi rye	470	940	2890	1160	5460
8 119-50-8 oats	1730	1330	1610	1300	5970
10 119-50-12 oats	1330	1080	2200	1070	5680
7 152-50-17 oats	1510	1500	2120	850	5980
6 152-50-21 oats	1320	1640	1850	1360	6170
14 Goliad barley	1570	900	1350	890	4710
9 Cardova barley	910	1260	2140	1340	5650
11 Atlas 66 wheat	1040	1640	1370	1540	5590
4 Bronco oats	410	1750	3310	810	6280
2 Oklahoma rye	1510	1500	1720	1070	6360
3 Victorgrain oats	1220	1830	1940	1370	6360

The difference required for significance at the 5% level = 670
coefficient of variation = 19.8%

500 pounds 12-12-12 per acre before planting and 60 pounds N in 2 side-dressings. Irrigation used to establish plots followed by 2 irrigations of 2 inches each.

Forage yield of small grain varieties at Beeville,
1952-57
(Pounds air-dry forage per acre)

Variety	1952-53			1953-54			
	April 8	May 23	Total	Feb. 7	April 7	May 20	Total
Goliad barley	1890	--	1890	1570	360	--	1930
Mustang oats	2130	420	2550	730	610	530	1860
Alamo 60% Mustang 40%	2360	270	2630	1020	730	370	2120
Camelia	1620	450	2070	1060	590	450	2100
Victorgrain	2070	440	2510	960	690	390	2040
Bronco	1460	610	2070	730	510	690	1930
Alamo	2040	170	2210	1080	660	270	2010
New Nortex	1250	560	1710				
L.S.D. (.05)							230

Continued

Variety	1954-55	1955-56			1956-57			Comparable Average
	March 31	Feb. 13	April 18	Total	Feb. 4	April 12	Total	
Goliad barley	1030	1560	300	1860	1540	640	2180	1780
Mustang oats	850	820	880	1700	1380	1370	2750	1940
Alamo 60% Mustang 40%	1160	1040	800	1840	1920	1040	2960	2140
Camelia	790	1200	850	2050	1220	980	2400	1880
Victorgrain	960	1170	870	2040	1250	760	2010	1910
Bronco	740	550	890	1440	1270	960	2230	1680
Alamo	1180	1330	850	2170	1800	1010	2810	2080
New Nortex	760	960	890	1850	1300	1210	2510	1730
Cordova barley	710	950	390	1340	1730	1270	3000	1830
Arivat barley	730	1760	180	1940	1810	610	2420	1840
119-50-8	1080	1400	690	2090	1540	800	2340	1960
152-50-17	890	1124	650	1780	1200	940	2140	1750
152-50-21	860	1500	940	2440	1280	940	2220	1740
119-50-12		1130	910	2040	1540	890	2430	1980
Abruzzi rye		490	180	670	1540	1530	3070	1610
L.S.D. (.05)	210			450			760	

Table ___. Results of Small Grain Variety Forage Test, Blackland Station - 1957

Varieties	Pounds per acre air-dry forage			
	March 4	April 8	May 22	Total
New Nortex	515	2400	1055	3970
Bronco Oat	380	2370	880	3630
Cordova barley	940	2035	470	3445
119-50-12 Oat	885	1400	930	3215
152-50-17 Oat	930	1485	715	3130
Abruzzi rye	-	1500	1540	3040
Mustang Oat	890	1850	245	2985
119-50-8 Oat	1030	1180	645	2855
Atlas 66 Wheat	980	1115	710	2805
152-50-21 Oat	955	1615	220	2790
Victor grain Oat	1050	1300	310	2660
Goliad barley	1105	1225	250	2580
Alamo Oat	1015	890	170	2075
L.S.D.	315	261	186	

Table ___. Small Grain Forage Test - 1956-57 T.A.E.S. Substation No. 6 - Denton, Texas

	Pounds air-dry forage per acre						
	3/11/57	4/8/57	5/20/57	Total	Stand	Lodging*	Cold Inj.
Wheat							
Knox 60# **	578	389	1673	2640	100	5	0
Quanah 60#	492	442	1631	2565	100	3	0
Mediterranean 60#	595	591	1416	2602	100	3	0
Concho 60#	293	701	1232	2276	100	2	0
Crockett 60#	311	906	1317	2534	100	2	0
Oats							
New Nortex 80#	368	1399	1673	3440	100	0	0
Bronco 80#	219	1039	2561	3819	100	0	0
Mustang 80#	442	761	2885	4088	100	0	0
Barley							
Cordova 60#	956	428	824	2208	100	5	0
Harbine 60#	829	823	1	1653	100	4	0
Rogers 60#	715	985	0	1700	100	2	0
Combinations							
Knox 30#-Cordova 30#	870	513	1374	2757	100	5	0
Knox 30#-New Nortex 40#	392	1531	1388	3311	100	3	0
Cordova 30#-Mustang 40#	950	883	1837	3670	100	5	0

* Lodging as of 3/11/57 - 0, no lodging; 5, severe (much foliage down; difficult to harvest)

** Seeding rate - pounds per acre

Notes - Test was dry planted November 10, 1956 on San Saba clay soil. Seed was banded with 200 pounds 20% superphosphate per acre at time of planting. Plots consisted of 4 12-inch rows, 22 feet long, 4 replications, two center rows harvested for yield.

Table ___. Forage Yield of Small Grain Varieties at Nacogdoches 1957

Variety	Pounds air-dry forage per acre			
	2-7-57	3-13-57	5-20-57	Total
11 Atlas 66 wheat	1150	1360	2930	5440
10 Alamo Oats	1530	910	3480	5920
6 Mustang Oats	1780	1810	3000	6590
1 152-50-17 Oats	1880	1640	3940	7460
9 Cardova barley	1220	2200	2610	6030
3 Abruzzi rye	840	1120	5160	7120
7 152-50-21 Oats	2160	1500	2890	6550
4 119-50-12 Oats	1670	1250	4150	7070
8 Victorgrain Oats	1880	1460	2790	6130
5 119-50-8 Oats	2230	980	3830	7040
2 Bronco Oats	1290	1880	4250	7420
12 Goliad barley	1640	940	2540	5120
LSD (.05)				980

Table . Forage Yields of Small Grain Varieties at Prairie View, 1957

Variety	Pounds Air-Dry Forage Per Acre March 14	April 25
152-50-17 oats	4550	
Mustang oats	4200	
119-50-12 oats	4180	
Victorgrain oats	4160	
Atlas 66 wheat	4050	790
119-50-8 oats	3890	
152-50-21 oats	3850	
Bronco oats	3650	1250
Alamo oats	3650	
Goliad barley	3520	
New Nortex oats	3150	280
Abruzzi rye	2560	2730
Cardova barley	1710	1730

1/

1/ Because the first clipping was so late, only late maturing varieties such as Bronco and Abruzzi rye recovered following clipping.

Table ____. Forage Yield of Small Grain Varieties, Kirbyville and Cleveland, 1956-57

Variety	Pounds air-dry forage per acre				
	Jan. 22	Feb. 11	March 8	April 5	Total
			Kirbyville		
Bronco oats	180	1080	1270	2110	4640
Mustang oats	380	1070	1330	1520	4300
152-50-17 oats	1010	870	1010	1220	4110
152-50-21 oats	870	920	980	1220	3990
New Nortex oats	660	1000	910	1390	3960
119-50-12 oats	990	830	900	1200	3920
119-50-8 oats	990	760	870	1250	3870
Victorgrain oats	700	920	1130	970	3720
Cordova barley	80	530	820	2240	3670
Atlas 66 wheat	650	900	920	920	3390
Alamo oats	900	620	590	1280	3090
Abruzzi rye	340	710	460	1770	3280
Goliad barley	740	820	760	850	3170
			Cleveland		
Bronco oats	630	520	980	2250	4380
Cordova barley	1000	320	720	2260	4300
119-50-17 oats	1750	330	340	1640	4060
Abruzzi rye	850	280	420	2400	3950
Mustang oats	1070	650	550	1610	3880
119-50-8 oats	1820	180	210	1650	3860
New Nortex oats	1580	340	200	1540	3660
Atlas 66 wheat	1030	550	540	1530	3650
Victorgrain oats	1220	430	550	1410	3610
119-50-12 oats	1620	200	230	1490	3540
152-50-21 oats	1750	190	170	1060	3170
Alamo oats	2100	---	10	---	2110
Goliad barley	1740	50	30	0	1820

Table ___. Forage Yield of Small Grain Varieties at Mt. Pleasant, Deep Sandy Soil, 1957

Variety	Pounds air-dry forage per acre					
	1-8	2-6	2-28	3-19	4-5	Total
152-50-21 Oats	150	550	870	630	440	2640
119-50-8 Oats	270	450	670	420	400	2210
152-50-17 Oats	140	530	840	530	420	2260
119-50-12 Oats	130	460	680	530	410	2210
Alamo Oats	280	450	650	380	330	2090
Bronco Oats	-	300	820	920	630	2670
Mustang Oats	-	380	790	620	500	2290
Atlas Wheat	-	200	780	530	360	1870
Abruzzi rye	-	-	490	1020	790	2300
L. S. D. (.05)						360

Table ___. Forage Yield of Two Oat Varieties Seeded Alone and in Various Mixtures and Clipped at Two Stages of Growth, College Station, 1954-55.

Variety and seeding method	Early winter[1/] 4-6"[2/]	Early winter[1/] 10-12"[2/]	Mid winter[1/] 4-6"	Mid winter[1/] 10-12"	Early spring[1/] 4-6"	Early spring[1/] 10-12"	Total 4-6"	Total 10-12"
Alamo	540	1200	350	850	430	910	1320	2960
Mustang	430	770	550	1160	800	1450	1780	3380
Mustang 50%, Alamo 50%	430	1170	520	1040	610	1220	1540	3430
Mustang 60%, Alamo 40%	420	1100	470	940	660	1290	1550	3330
Mustang 70%, Alamo 30%	470	1220	550	1110	800	1030	1820	3360
Mustang 50%, Alamo 50% cross seeded	590	900	480	810	460	1190	1530	2900

[1/] Represents clippings as follows: Early winter - 4-6"; Nov. 18, Dec. 1, Dec. 17, Jan. 3; 10-12"; Jan. 3

Mid Winter - 4-6": Jan. 20, Feb. 9, Feb. 24; 10-12": Feb.24

Early Spring - 4-6": Mar. 7, Apr. 15; 10-12": Apr. 15

[2/] Clipped when forage reached height of 4-6" and 10-12", respectively.

Table ___. Forage Production of Alamo and Mustang Oats with Various Clipping Frequencies, Lufkin Fine Sandy Soil, 1955-56

Variety and frequency 1/		Nov. 10 Dec. 20	Dec. 20 Feb. 1	Feb. 1 March 14	March 14 May 3	Total
			Pounds air-dry forage per acre			
Alamo	10	220	350	290	100	1060
	20	420	780	630	200	2030
	40	390	790	620	240	2040
	Mature				2550	2550
Variety Average		340	640	510	770	1920
Mustang	10	210	450	490	130	1280
	20	230	560	680	310	1780
	40	320	680	960	340	2300
	Mature				2300	2370
Variety Average		250	560	710	770	1930
			Pounds dry roots per acre			Average
Alamo	10	360	230	420	410	355
	20	510	475	500	665	538
	40	460	525	650	640	569
	Mature	460	690	715	820	671
Variety Average		450	480	570	635	
Mustang	10	395	245	770	640	513
	20	565	450	755	740	628
	40	410	525	935	805	669
	Mature	410	795	935	1240	845
Variety Average		445	505	855	860	
			Pounds dry crowns per acre			
Alamo	10	1100	1800	1930	490	1330
	20	1300	1700	2360	810	1543
	40	2010	2570	3080	1140	2200
	Mature	1620	2070	4330	2720	2685
Variety Average		1508	2035	2925	1290	
Mustang	10	1395	2120	2570	760	1711
	20	2010	2940	3170	1600	2430
	40	1780	3120	4260	2190	2838
	Mature	1460	2370	4900	3170	2975
Variety Average		1661	2638	3725	1930	

1/ Clipping frequency was 10, 20 and 30 days and at maturity.

Table ___. Forage Yield of Mustang Oats Clipped at Various Frequencies, Agronomy Farm, 1956-57

Date of harvest	Pounds air-dry forage per acre			
	10-day	20-day	30-day	40-day
January 4	923	865	912	737
January 14	428			
January 24	151	582		
February 4	134		920	
February 14	96	711		1960
February 25	84			
March 7	68	398	544	
March 18	167			
April 2	276	589		755
April 9	128		723	
April 18	208	613		
Total	2663	3768	3099	3452

The plots were irrigated for establishment and to prevent loss of stands. 500 pounds of 12-12-12 per acre was applied before planting and 60 pounds of N in two top dressings.

Table ___. Ryegrass Variety Forage Yields, Miller Clay Soil, Brazos River Valley Lab., College Station, Texas, 1957

Variety	Pounds air-dry forage per acre			
	3-27	4-5	5-13	Total
PI 193145	2760	2130	2400	7290
La Estanzuela 284	2760	2430	1960	7150
Florida	2990	1900	2340	7230
Perennial	2270	2360	2710	7340
Common	2530	1840	2350	6720
Texas (Experimental Early)	2940	1810	2660	7410

Yields not significantly different. C.V. = 14.9%

Seeded in 5-row plots, 12-inch rows, 19 feet long, 6 replications, October 25, 1956.

Table ___. Ryegrass Performance Test - 1956-57, T.A.E.S. Substation No. 6 - Denton, Texas

Variety	Pounds air-dry forage per acre				%		
	3/11/57	4/8/57	5/20/57	Total	Stand	Maturity	Disease
Florida Rust Resistant	563	752	1133	2448	100	6	0
P.I. 193145 Gulf	487	1248	1631	3366	100	7	0
Commercial Perennial	119	935	2045	3099	100	4	0
La Estranzuela 284	446	1519	1176	3141	100	6	0
Commercial Domestic	341	1242	2484	4076	100	3	0

Notes - Test dry-planted November 9, 1956 on San Saba clay soil. Seed were banded with 200 pounds superphosphate per acre at planting time. Plots consist of 4 12-inch rows, 22 feet long, 4 replications, 2 center rows harvested for yield.

Table ___. Rescue Variety Forage Yields, Miller Clay Soil, Brazos River Valley Lab., College Station, Texas, 1957

Variety	Pounds air-dry forage per acre			
	March 7	April 5	May 9	Total
Chapel Hill	800	3150	2400	6350
Lamont	690	2570	2660	5920
Prairie brome	520	2640	2480	5640
Nakurn	610	2170	2460	5240
Texas 46	530	2460	2200	5190
Commercial 1/	---	----	----	----

Yields not significantly different. C. V. = 26.8%

1/ Failed to germinate.

Table ___. Rescuegrass Performance Test - 1956-57, T.A.E.S. Substation No. 6 - Denton, Texas

Variety	Pounds air-dry forage per acre 3/11/57	4/8/57	5/20/57	Total	% Stand	Maturity	Disease
Chapel Hill	127	636	3060	3823	97	7	2
Texas Rescue 46 Commercial	46	219	2892	3157	90	8	4
Nakurn	155	636	3364	4155	95 +-	8	0
Commercial Ryegrass	0	121	442	563	10	7	0
Prairie brome	120	491	3400	4011	95	8	0

Notes - Test was dry-planted November 9, 1956 on San Saba clay soil. Seed were banded with 200 pounds of 20% superphosphate per acre at time of planting. Plots consist of 4 12-inch rows, 22 feet long, 4 replications, 2 center rows harvested for yield.

Table ___. Forage Yield of Phalaris Species and Varieties, Miller Clay Soil, Brazos River Valley Lab., College Station, Texas, 1957

Entry	Pounds air-dry forage per acre 3/7	4/5	5/9	Total
Phalaris coerulescens	1540	2390	660	4590
P. tuberosa var hirtiglumis	1430	2230	880	4540
P. tuberosa var stenoptera	680	1510	1280	3470
P. bulbosum	340	1120	1110	2570
P. arundinaua (Ala.)	----	----	190	190
P. minor	----	----	180	180
LSD (.05) 1/	240	420	NS	690
C. V.				14.8%

1/ P. arundinacea and P. minor not included in analysis.
Seeded in 5-row plots, 12-inch rows, 19 feet long, 6 replications, October 25, 1956.

Table ___. Forage Yield of Phalaris Species at Cleveland 1957

Species	Pounds dry forage per acre				
	1-4	2-22	3-27	5-28	Total
P. tuberosa var hirtiglumis	570	410	1360	1690	4030
P. coerulescens	600	590	1380	1380	3950
P. minor	710	340	1260	1410	3720
P. tuberosa var stenoptera	190	310	980	1560	3040
P. arundinacea (Ioreed)	--	40	--	--	40

Table . Forage Production of Four Cool Season Grasses, BRVL, 1957

Variety	Reps 1	2	3	4	5	6	7	8	Avg.
Southland brome	2240	3070	3020	2410	2740	3560	2140	1740	2615
Local brome	1800	1910	1880	1680	1620	1330	1110	2120	1681
Harding	3420	3300	2200	2830	2980	2170	3440	2830	2896
Hordeum bulbosum	2480	2070	1980	2160	2210	2330	2310	2070	2201
Southland	2820	2230	2360	1900					2328
Harding	2310	1930	2080	1150					1868
Hordeum	2100	2600	2560	2240	760	1740	1620	1210	1854

Plots were harvested June 10 after being established (transplanted) February 4-8, 1957.

Local brome was a composite of 62-1, 62-28, 48-15, 31-3, 59-37, 63-4, 58-7 and 16-3 clonal seed.

Table ___. Red Clover Variety Test, Denton, Texas, 1956-57

Variety	Air-dry forage pounds per acre					
	May 20	Rank	June 18	Rank	Season Total	Rank
Kenland	2200	1	800	2	3000	2
Pennscott	1190	5	640	4	1830	5
Port Gibson	1370	3	580	5	1950	3
Nolin's red	1280	4	660	3	1940	4
Midland	2080	2	980	1	3060	1
L. S. D. .05	N.S.		N.S.		N.S.	

Table ___. Red Clover Variety Test, Prairie View, Texas, 1956-57

Variety	Air-dry forage in pounds per acre					
	May 14	Rank	June 15	Rank	Season Total	Rank
Kenland	3100	3	1070	2	4170	2
Pennscott	3130	2	1060	3	4190	1
Port Gibson	3150	1	900	5	4050	3
Nolin's red	2480 1/	5	1340	1	3820	4
Midland	2500	4	1030	4	3530	5
L.S.D. .05	520		N.S.		N.S.	

1/ Harvested April 25 when in fullbloom.

Table ___. White Clover Variety Test, Denton, Texas, 1956-57

Variety	Air-dry forage in pounds per acre					
	May 22	Rank	June 18	Rank	Season Total	Rank
Louisiana S-1	1800	1	1070	3	2870	1
Ladino (Oregon)	890	5	1130	1	2020	5
Western Composite	1080	4	950	5	2030	4
Pilgrim	1600	2	1100	2	2700	2
Nolin's Improved	1570	3	1040	4	2610	3
L. S. D. .05	280		N.S.		330	

Table ___. White Clover Variety Test, Mt. Pleasant, Texas, 1956-57.

Variety	Air-dry forage in pounds per acre					
	May 31	Rank	June 18	Rank	Season Total	Rank
Louisiana S-1	510	4	480	4	990	4
Ladino (Oregon)	930	1	820	1	1750	1
Western composite	930	1	700	2	1630	2
Pilgrim	900	3	660	3	1560	3
Nolin's Improved	160	5	270	5	430	5
L.S.D. .05	450		250		620	

Table . Crimson Clover Variety Tests, 1956-57.

Variety	Air-dry forage in pounds per acre			
	Denton		Prairie View	
	May 20	Rank	April 25	Rank
Auburn	2350	1	3710	1
Autauga	1740	6	3640	3
Dixie	2040	3	3690	2
Talladega	1240	8	3050	7
Chief (Miss. Sel.)	1830	5	3170	6
Ky. Selection	2300	2	3420	4
Common	1550	7	3030	8
Hensel Park	1840	4	3370	5
L.S.D. .05	320		N.S.	

Table ___. Subterranean Clover Variety Test, Denton, Texas, 1956-57

Variety	Air-dry forage in pounds per acre					
	Rep I	Rep II	Rep III	Rep IV	Average	Rank
Mt. Barker	2890	2210	3240	3390	2930	3
Nangeela	2500	2950	2600	3380	2860	4
Tallarook	6250	7450	7150	6770	6900	1
Bacchus Marsh	2540	3170	4670	3240	3400	2
L.S.D. .05					900	

Table . Miscellaneous winter-legume variety test, Beeville, Texas, 1953-56.

Species and Variety	Air-dry forage in pounds per acre. 1953-54	1954-55	1955-56
Cogwheel bur	720	480	1410
California bur	850	550	1090
Button bur	--	290	--
Common Berseem	810	550	2060
Fahli Berseem	--	480	--
Muscowi Berseem	--	430	--
Dixie Crimson	--	330	2250
Hensel Park Crimson	--	--	2090
Louisiana Red	--	260	1810

Table . Vetch Variety Test, Beeville, Texas, 1954-55 and 1956-57

Variety	Dry-matter in pounds per acre				Two-year aver.	
	April 1955	Rank	May 1957	Rank	Yield	Rank
Hairy	300	6	1350	5	825	4
Auburn woollypod	370	5	1800	2	1085	2
Oregon woollypod	440	2	1730	3	1085	2
Lana woollypod	--	-	1920	1	--	
Willamette	390	3	410	7	400	5
Common	--	-	340	8	--	
Hungarian	--	-	560	6	--	
Purple	510	1	1690	4	1100	1
Madison	380	4	--	-	--	
L.S.D. .05	110		375		--	

Table ___. Vetch Variety Test, Blackland Experiment Station, Temple, Texas, 1956-57

Variety	Dry-matter in pounds per acre on different harvest dates					
	March 4	Rank	March 20	Rank	April 5	Rank
Hairy	1085	6	1805	5	4465	5
Auburn woollypod	1420	4	2255	3	5930	1
Oregon woollypod	1590	1	2535	2	5435	2
Lana woollypod	1440	3	2785	1	5110	4
Willamette	500	8	890	8	2250	8
Common	725	7	1390	7	2480	7
Hungarian	1520	2	2060	4	5350	3
Purple	1155	5	1635	6	3465	6
L.S.D. .05	377		566		1573	

Table ___. Vetch Variety Test, Denton, Texas, 1956-57

Variety	Dry-matter in pounds per acre on different harvest dates			
	March 14	Rank	May 20	Rank
Hairy	1820	1	4540	1
Auburn woollypod	1670	3	2860	6
Oregon woollypod	1220	7	2820	7
Lana woollypod	1115	8	2820	7
Willamette	1685	2	4205	2
Common	1640	4	3580	4
Hungarian	1510	5	3020	5
Purple	450	9	2505	9
Madison	1270	6	3970	3
L.S.D. .05	410		565	

Table ___. Vetch Variety Test, Prairie View, Texas, 1956-57

Variety	Air-dry forage in pounds per acre					
	March 14	Rank	April 25	Rank	Season Total	Rank
Hairy	970	4	950	5	1920	6
Auburn woollypod	1270	3	740	6	2010	5
Oregon woollypod	1580	2	480	8	2060	4
Lana woollypod	1720	1	630	7	2350	1
Willamette	470	6	1620	1	2090	3
Common	310	7	1520	2	1830	7
Hungarian	220	8	1450	3	1670	8
Purple	970	4	1220	4	2190	2
L.S.D. .05	420		433		N.S.	

Table ___. Vetch Variety Test, Winter Garden Experiment Station, Crystal City, Texas, 1956-57

Variety	Dry matter in pounds per acre on different harvest dates					
	February 4	Rank	February 25	Rank	Mar. 18	Rank
Hairy	2040	4	2430	4	4800	3
Auburn woollypod	2100	3	3040	2	5000	1
Oregon woolypod	3220	1	2600	3	4430	4
Lana woollypod	2920	2	3410	1	4840	2
Willamette	1200	7	1930	5	3960	5
Common	1320	6	1840	6	3690	7
Hungarian	1090	8	1340	8	2950	8
Purple	1550	5	1650	7	3880	6
L.S.D. .05	211		574		845	

Table . Winter Pea Variety Test, Beeville, Texas.

Variety	Dry-matter in pounds per acre. March	Rank	April	Rank	Season Total	Rank
			1953-54			
Austrian	500	1	120	2	620	1
Dixie Wonder	460	2	140	1	600	2
Papago	430	3	--		430	3
			1956-57 1/			
Austrian	--		1040	3	1040	3
Romack	--		1130	2	1130	2
Papago	--		1400	1	1400	1
L.S.D. .05						
1953-54	N.S.		N.S.		N.S.	
1956-57	--		270 lbs.		270 lbs.	

1/ Only one harvest possible. Serious downy mildew damage to all plots especially the Papago variety.

Table ___. Winter Pea Variety Test, Temple, Texas, 1956-57

Variety	Dry-matter in pounds per acre produced on different harvest dates: March 4	Rank	March 20	Rank	April 5	Rank
Austrian	1585	2	3400	1	5420	1
Romack	1760	1	2890	2	3225	2
Papago[1/]	630	3	945	3	1910	3
L.S.D. .05	202		625		461	

[1/] Fifty percent winter killed.

Table ___. Winter Pea Variety Test, Denton, Texas, 1956-57

Variety	Dry-matter in pounds per acre produced on different harvest dates: March 14	Rank	May 20	Rank
Austrian	1780	3	4100	1
Romack	1790	2	3830	2
Papago	1510	4	3100	4
Dixie Wonder	1920	1	3250	3
L.S.D. .05	N.S.		N.S.	

Table ___. Winter Pea Variety Test, Crystal City, Texas, 1956-57

Variety	Dry-matter in pound per acre produced on different harvest dates					
	February 4	Rank	February 25	Rank	March 18	Rank
Austrian	2950	2	2140	3	1950	3
Romack	3260	1	3150	1	3200	1
Papago	2420	3	2800	2	3030	2
L.S.D. .05	1334		784		511	

Table ___. Winter Pea Variety Test, Prairie View, 1956-57.

Variety	Air-dry forage production - pounds per acre		
	March 14	Rank	Season Total[1]
Austrian	590	3	590
Romack	1290	2	1290
Papago	1820	1	1820
L.S.D. .05	670		670

1/ No recovery after first cutting.

Table . Lupine Variety Test, Denton, Texas, 1956-57

	% Winter killing 1/	Yield lbs./acre 2/	Rank
		5-20-57	
Blue lupine			
Common bitter	15	159	3
Borre sweet	25	178	2
Florida #2	30	---	
White lupine			
Common	5	365	1
P.I. 177456	15	--	
Yellow lupine			
Domestic	0	--	
Imported	5	--	
Others			
Arrogo	2	--	

1/ Coldest temperature (14°F) occurred January 17, 1957.

2/ Initial stands satisfactory. A combination of cool, wet weather and disease (mildew) destroyed much of the stands after emergence.

Table ___. Lupine Variety Test, Crystal City, Texas, 1956-57

Variety	Dry-Matter in pounds per acre produced on different harvest dates					
	February 4	Rank	February 25	Rank	March 18	Rank
Blue Lupine						
Common bitter	1920	2	1520	2	1980	5
Borre sweet	1680	3	1220	7	1340	7
Florida #2	2430	1	1550	1	1870	6
White lupine						
Common	1460	5	1300	4	2350	2
P.I. 177456	540	8	510	8	920	8
Yellow lupine						
Domestic	1600	4	1230	5	2070	4
Imported	1250	6	1440	3	2410	1
Others						
Arroyo	1170	7	1230	5	2190	3
L.S.D. .05	894		253		603	