Table_____. White Clover Variety Test; Average yield of forage and seed at College Station, Observation notes, Angleton, 1957-58.1/

Variety or Strain	Forage Yield (lbs./acre)	Seed Yield (lbs./acre)	Observation Notes College Station			Observation Notes Angleton	
			Disease Resistant*	Summer Survival % Stand	Height	Stand % Rating*	No. of Heads Rating*
	May 14	June 12	Aug.30	Nov.6	Nov.6	June 11	June 11
Nolin's Improved	2420	315	2	80	4"	4.0	3.5
Louisiana S-1	2190	225	5	90	6"	4.6	4.5
Western Composite	1890	90	5	80	6"	---	---
Pilgrim	2120	40	4	60	6"	2.8	2.3
Oregon Ladino	2060	60	4	60	6"	3.6	2.3
S-1 California Ladino	2050	60	4	60	6"	3.4	3.2
C-1 " "	1810	45	3	50	6"	3.4	2.8
M-1 " "	2250	35	5	75	6"	3.6	3.5
Iowa Syn. Ladino	----	--	-	--	--	3.6	2.3
New Zealand White	----	--	-	--	--	2.8	3.2
L.S.D. .05	N.S.	96					

1/ College Station Test planted 11/4/57, Angleton Test planted 12/2/57.

* 1 = Very Poor, 2 = Poor, 3 = Fair, 4 = Good, 5 = Very Good

White Clover Strain Test, Angleton, 1958

A white clover strain test was planted on December 2, 1957. A good seedbed has been prepared, but because of bad weather, the seedbed became rather weedy before planting. Weeds were sprayed with 2,4-D prior to planting. However, the test area was badly infested with curly dock. No further seedbed preparation was made.

Strains included in this test are Ladino clover selections from California along with standard varieties of Ladino clover and selections of white clover from Louisiana.

These plots were fertilized at the rate of 0-40-0 per acre.

No yield harvest were made in the spring as forage growth on all entries was poor but weeds were mowed the last of April.

Stand ratings and seed production observations were made on June 11, 1958.

Rating on Stand of White Clover Strains, June 11, 1958.

Strains	Rep. 1	Rep. 2	Rep. 3	Rep. 4	Rep.5
1. T. Repens, New Zealand	F	P	P	G	F
2. Pilgrim white	P	F	G	F	P
3. Calif. Ladino S - 1	VG	VG	F	P	P
4. Calif. Ladino C - 1	VP	P	G	VG	VG
5. Cert. Ladino - Calif.	VP	P	G	G	VG
6. Iowa Syn. Ladino	G	F	G	P	VG
7. La. S - 1 white	VG	VG	VG	VG	F
8. Oregon Ladino	VP	P	VG	G	P
9. Nolin's Imp.	VP	G	VG	VG	VG
10. Calif. Ladino M - 1	F	P	F	VG	VG

Seed Rating - Observations on Number of Seed Heads, June 11, 1958

	Rep. 1	Rep. 2	Rep. 3	Rep. 4	Rep.5
1. T. Repens, New Zealand	P	F	N	G	G
2. Pilgrim	F	P	O	P	P
3. Calif. Ladino S - 1	G	VG	T	P	P
4. Calif. Ladino C - 1	P	F		F	F
5. Cert. Ladino - Calif.	VP	P	R	P	F
6. Iowa Syn. Ladino	F	P	A	P	P
7. La. S - 1 white	VG	VG	T	VG	F
8. Oregon Ladino	P	P	E	F	P
9. Nolin's Imp.	P	G	D	F	VG
10. Calif. Ladino M - 1	F	P		VG	G

Third rep badly infested with volunteer white clover.
P = poor stand; F = fair stand; G = good stand; V = very

Table _____. White Clover Variety Test, Mount Pleasant, Texas, 1957-58.

Variety	Dry-Matter in pounds per acre on different harvest dates					
	May 15	Rank	July 9	Rank	Total	Rank
California Ladino	1710	1	300	2	2010	1
Iowa Ladino	1580	4	240	3	1820	2
Oregon Ladino	1490	5	310	1	1800	3
Pilgrim	1585	3	155	4	1740	4
Louisiana S-1	1590	2	90	5	1680	5
Nolan's Improved	1480	6	---		1480	6
New Zealand 1/	----		---		----	
LSD .05	N.S.		120		330	

1/ Very poor initial stands.

Table_____. Red Clover Variety Test, Denton, 1957-58[1/]

Variety	Dry-matter in pounds per acre on different harvest dates		
	April 17	May 30	Season Total
Miss. Selection	2280	2980	5260
La. (Strain 1)	2470	2560	5030
Nolin's	2195	2810	5005
Kenland	1960	3040	5000
Port Gibson	2060	2815	4875
Dollard	1790	2940	4730
Pennscott	1700	2320	4020
L.S.D. .05	N.S.	N.S.	N.S.

1/ Planted October 12, 1957. Four replications.

Table _____. Crimson Clover Variety Test, Denton, 1957-58.[1/]

Variety	Dry-matter in pounds per acre on different harvest dates		
	April 17	May 30	Season Total
Common	2320	1700	4020
Ky. Selection	2610	1630	4240
Autauga	2525	1470	3995
Chief	2460	1140	3600
Auburn	2640	865	3505
Dixie	2320	950	3270
Talladega	2160	1110	3270
L.S.D. .05	N.S.	440	680

1/ Planted October 12, 1957. Four replications.

Table _____. Crimson clover fertilizer test, Mt. Pleasant, Texas, 1957-58.

Fertilizer Treatment			Dry-matter produced by fertilizer treatments in pounds per acre								
			March 7			April 24			Season Total		
N	P	K	NPK	N	K	NPK	N	K	NPK	N	K
0	120	0	600			590			1190		
0	120	60	620	610		610	600		1230	1210	
30	120	0	160			640			800		
30	120	60	280	220		580	610		860	830	
60	120	0	40		270	420		550	460		820
60	120	60	70	55	320	480	450	560	550	505	880
LSD		.05	255	180	N.S.	N.S.	N.S.	N.S.	208	147	N.S.

Table _____. Observation Test, Clover Varieties, Chillicothe, 1956-57.[1/]

Crop and Variety	Forage Yield lbs./acre	Date Full Bloom	Remarks
Crimson Clover			All varieties looked about the same
Chief	3000	5/6	after blooming and harvest all except
Autauga	2720	4/25	common volunteered in fall of 1957.
Ky. Sel.	2720	5/6	
Auburn	2680	4/25	
Dixie	2080	4/25	
Talladega	1920	5/6	
Common	2160	5/6	
Red Clover			
Kenland		6/8	Good growth on 6/6, No volunteering
Midland		6/8	Fair growth "
Dollard			Poor growth "
Pennscott			Poor growth "
Port Gibson		6/8	Good growth on 6/6 "
Nolin's		6/4	Good growth on 6/6 "
White Clover			
La. S - 1		6/6	Best on 5/6, Volunteered
Western Comp.		6/4	Good on 5/6, Tallest on 6/6, Volunteered
Pilgrim		6/6	Good on 5/6, Volunteered
Oregon Ladino			No blooms on 6/6, Poor growth
Italian "			" "
New Zealand			" "
Nolin's Improved		6/6	Fair on 5/6, Volunteered

1/ Planted November 12, 1956.

Table _____. Vetch Variety Test, Temple, Texas, 1957-58.[1/]

Variety	Dry-Matter in pounds per acre on different harvest dates					
	March 26	Rank	April 3	Rank	April 21	Rank
Hairy	1275	2	1030	5	4110	4
Auburn woollypod	995	4	1350	3	4685	2
Oregon "	1215	3	1415	2	4250	3
Lana "	1355	1	2075	1	4820	1
Willamette	640	8	875	7	1850	8
Common	915	5	990	6	2470	6
Hungarian	890	6	645	8	2340	7
Purple	875	7	1205	4	3230	5
LSD .05	410		340		1330	

1/ Planted December 6, 1957.

Table _____. Vetch Variety Test, Denton, Texas, 1957-58

Variety	Dry-matter in pounds per acre on different harvest dates						% Cold Injury 1/
	Feb. 18	Rank	March 26	Rank	May 30	Rank	
Hairy	495	7	1340	7	3140	3	0
Auburn woollypod	635	3	2090	2	2890	4	0
Oregon "	470	8	1680	5	1715	9	0
Lana "	1140	1	3340	1	2650	6	Tr.
Willamette	830	2	2050	3	3410	1	0
Common	620	5	1620	6	2810	5	0
Hungarian	215	9	740	9	1750	8	0
Purple	560	6	1280	8	3260	2	Tr.
Madison	625	4	1700	4	2590	7	0
L.S.D.	280		740		1005		

1/ Cold injury, 14°F. February 14, 1958

Table _____. Vetch Variety Test, Chillicothe, Texas, 1956-57.[1/]

Variety	May 1	Rank	May 15	Rank	May 30	Rank
Hairy	4000	6	7000	3	4960	8
Auburn wollypod	5760	2	5000	8	3760	9
Oregon "	7920	1	5480	7	6160	6
Lana "	4240	4	4760	9	6200	5
Willamette	3880	8	5920	6	8160	2
Common	4040	5	7840	2	8480	1
Hungarian	4000	6	6360	5	6320	4
Purple	3880	8	6460	4	5200	7
Madison	5280	3	8960	1	6640	3

1/ No analysis, one replication only. Planted November 9, 1956.

Table _____. Vetch fertilizer test, Mt. Pleasant, Texas, 1957-58.

Fertilizer Treatment			Dry-matter produced by fertilizer treatments in pounds per acre								
			March 21			April 16			Season Total		
N	P	K	NPK	N	K	NPK	N	K	NPK	N	K
0	60	30	770			520			1290		
0	60	60	460	615		540	530		1000	1145	
15	60	30	500			610			1110		
15	60	60	445	470		550	580		990	1050	
30	60	30	530		600	640		590	1170		1190
30	60	60	700	615	535	500	570	530	1200	1185	1065
LSD		.05	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Table _____. Winter Pea Variety Test, Temple, Texas. 1957-58[1/]

Variety	Dry-Matter in pounds per acre on different harvest dates					
	March 26	Rank	April 3	Rank	April 21	Rank
Austrian Winter	1680	1	1590	1	3580	2
Romack	1300	2	1380	3	4050	1
Papago	990	3	1450	2	2740	3
LSD .05	525		N.S.		520	

1/ Planted December 6, 1957.

Table_____. Winter Pea Variety Test, Denton, Texas, 1957-58

Variety	Dry-matter in pounds per acre on different harvest dates						% Cold Injury 1/
	Feb. 18	Rank	March 26	Rank	May 30	Rank	
Austrian Winter	1205	2	2550	1	1380	3	0
Romack	1310	1	2510	2	3220	1	0
Papago	610	3	1440	4	970	4	10
Dixie Wonder	530	4	1600	3	2090	2	Tr.
L.S.D. .05	480		N.S.		1050		

1/ Cold injury, 14°F. February 14, 1958

Table _____. Winter Pea Variety Test, Chillicothe, Texas, 1956-57.[1/]

Varieties	Dry-matter in pounds per acre on different harvest dates					
	May 1	Rank	May 15	Rank	May 30	Rank
Austrain Winter	2920	1	3640	1	5120	1
Romack	2440	3	1680	3	5040	2
Papago	1120	4	960	4	2600	4
Mississippi Sel.	2640	2	2760	2	3200	3

1/ No analysis, one replication only. Planted November 9, 1956.

Table_____. Lupine Variety Test, Denton, Texas, 1957-58

Variety	Dry-matter in pounds per acre on different harvest dates						% Cold Injury 1/
	Feb.18	Rank	March 26	Rank	May 30	Rank	
Bitter Blue	420	4	635	4	2170	1	10
Borre Sweet Blue	500	3	860	3	1470	4	15
Chilton White	540	2	900	2	1390	5	5
Common White	560	1	1025	1	1630	2	10
White Sweet Blue	280	5	520	5	1630	2	15
Hardy White	--*		--*		--*		Tr.
Domestic Yellow	--*		--*		--*		Tr.
Imported Yellow	--*		--*		--*		Tr.
L.S.D. .05	N.S.		N.S.		N.S.		

* Initial stands very poor.

1/ Cold injury, 14°F. February 14, 1958.

Table _____. Lupine Variety Test, Chillicothe, Texas, 1956-57.[1/]

Varieties	Dry-matter in pounds per acre on different harvest dates					
	May 1	Rank	May 15	Rank	May 30	Rank
Hardy White	1200	1	2600	1	2480	1
Common White	1200	1	2320	2	1400	2
Bitter Blue	(No Stand, 100 percent winterkill)					
Borre Sweet Blue	"					
Imported Yellow	"					
Domestic Yellow	"					
Arroyo	"					
Florida No. 2	"					

1/ Planted November 9, 1956.

Table _____. Burclover Varieties (Medicago spp.), Denton, Texas, 1957-58

Variety	Dry-matter in pounds per acre on different harvest date					Total Seasonal Yield
	Jan.10	Feb.20	Mar.19	Apr.11	May 30	
Hulled Seed						
Button bur	---	---	340	2650	4740	7730
California bur	130	90	750	2460	2030	5460
Common bur	110	160	670	2640	1640	5220
Seed in Bur						
Cogwhell bur	---	---	---	2100	5140	7240
Spotted bur	---	---	---	2340	1100	3440
Check						
Common Alfalfa	---	---	120	1260	1900	3280
L.S.D. .05	---	---	---	710	530	910
.01	---	---	---	990	735	1250