

Table 1. Names, growth characteristics and seeding rates of eight legumes studied at Stephenville in 1998 and 1999. (Muir)

Legume	Scientific name	Annual/perennial	Seeding rate
Phasey bean	<i>Macroptilium lathyroides</i> (DC) Urb.	True annual	3 lb/A
Tecomate lab lab	<i>Lablab purpureus</i> (L.) Sweet	True annual	6 lb/A
Comanchee partridge pea	<i>Chameacrista fasciculata</i> (Michx) Greene	True annual	16 lb/A
Velvet bean	<i>Stizolobium deeringianum</i> Bort. Or	True annual	20 lb/A
	<i>Mucuna pruriens</i> (L.) DC		
Iron-clay cowpea	<i>Vigna unguiculata</i> (L.) Walp.	True annual	50 lb/A
Donegal soybean	<i>Glycine max</i> (L.) Merr.	True annual	100 lb/A
Tamrun 96 peanut	<i>Arachis hypogea</i> L.	Perennial: acts as cultivated annual	30 lb/A
Kudzu	<i>Pueraria thumbergiana</i> Benth. <i>P. lobata</i> (?)	Perennial: acts as annual in N. Texas	5 lb/A

Table 2. Rainfall and irrigation applied to the experiment.

Year	Jan-Mar	April	May	June	July	Aug	Sept	Apr-Sept	Jan-Sept
	-----inches-----								
1998	9.4	2.3	4.6	2.3	1.6	0.8	3.8	15.4	24.8
1999	2.8	3.3	3.1	2.0	1.4	0.4	1.9	11.4	14.1

Table 3. Wildlife forage production of eight annual summer legumes over two seasons either hand plucked throughout the growing season ($LSD_{0.05}=418$). (Muir)

Legume	All-season	
	Yr1 (1998)	Yr 2 (1999)
	-----lb DM A ⁻¹ yr ⁻¹ -----	
<i>partridge pea</i>	1,032	830
<i>peanut</i>	2,305	89
<i>phasey bean</i>	459	648
<i>lablab</i>	2,446	70
<i>soybean</i>	557	0
<i>cowpea</i>	2852	456
<i>velvetbean</i>	1,604	0
<i>kudzu</i>	0	165

Table 4. Acid detergent fiber concentration in seven annual summer legumes over two seasons either hand-plucked throughout the growing season ($LSD_{0.05}=18$). (Muir)

Legume	All-season	
	Yr 1 (1998)	Yr 2 (1999)
	-----ADF g kg ⁻¹ -----	
<i>partridge pea</i>	204	183
<i>peanut</i>	263	223
<i>phaseybean</i>	247	180
<i>lablab</i>	228	246
<i>soybean</i>	196	----
<i>cowpea</i>	215	210
<i>velvetbean</i>	251	----

Table 5. Lignin concentration in seven annual summer legumes over two seasons either hand-plucked throughout the growing (LSD_{0.05}=5.4).(Muir)

Legume	All-season	
	Yr 1 (1998)	Yr 2 (1999)
	-----Lignin g kg ⁻¹ -----	
<i>partridge pea</i>	62.8	54.6
<i>peanut</i>	34.4	37.3
<i>phaseybean</i>	72.9	54.3
<i>lablab</i>	46.0	44.7
<i>soybean</i>	42.4	----
<i>cowpea</i>	39.3	39.4
<i>velvetbean</i>	60.8	----

Table 6. Crude Protein concentration in seven annual summer legumes over two seasons either hand-plucked throughout the growing season ($LSD_{0.05}=15$). (Muir)

Legume	All-season	
	Yr 1 (1998)	Yr 2 (1999)
	-----CP g kg ⁻¹ -----	
<i>partridge pea</i>	170	192
<i>peanut</i>	185	214
<i>phaeybean</i>	188	198
<i>lablab</i>	161	232
<i>soybean</i>	110	----
<i>cowpea</i>	166	208
<i>velvetbean</i>	153	----