TABLE 1 -- MINERAL COMPOSITION OF LESPEDEZA

Samples collected from same locations (third Column) in 1952, 1951, and 1950. Data are expressed in percent or parts per million (ppm.), as noted, in the dry plant matter.

									1952											
County	Soil Type	Location	Ash Percent	Moisture Percent	Fat Percent	Fiber Percent	Nitrogen Percent	P_2O_5 Percen	Sulfur Percent	Chlorine Percent	Calcium Percent	Magne-sium Percent	Potass-ium Percent	Sodium Percent	Iron ppm.	Mangan-ese ppm.	Copper ppm.	Cobalt ppm.	Zinc ppm.	Boron ppm.
Randolph	Putnam S.L.	S21, T54N, R13W	5.42	8.63	2.31	27.34	2.16	0.38	0.17	0.031	1.09	0.176	1.08	0.040	175	60	6.37	0.23	14.3	22.7
Randolph	Putnam S.L.	S13, T53N, R13W	5.24	8.41	1.91	25.97	2.26	.39	.19	.037	1.00	.185	1.07	.040	175	54	6.42	.20	34	26.9
Randolph	Putnam S.L.	S9, T52N, R15W																		
Randolph	Putnam S.L.	S14, T53N, R13W	**	8.30	3.20	19.64	3.17	.64	.26	.027	1.26	.255	.93	.033	**	**	8.68	.14	26	35.0
Audrain	Putnam S.L.	S26, T52N, R12W	5.92	8.27	4.58	26.36	2.17	.48	.18	.038	1.00	.178	1.07	.040	255	80	6.22	.15	27	20.6
Boone	Putnam S.L.	S27, T51N, R11W																		
Boone	Putnam S.L.	S34, T51N, R11W	4.69	8.51	3.58	23.25	2.24	.49	.24	.031	.82	.239	1.25	.075	170	88	7.60	.28	36	20.8
Boone	Putnam S.L.	S34, T51N, R11W	4.79	8.30	2.48	25.60	2.54	.51	.20	.040	.91	.201	1.34	.085	250	94	7.10	.36	35	23.5
Boone	Putnam S.L.	S27, T51N, R11W	5.34	8.75	2.16	23.41	1.50	.44	.25	.034	1.10	.293	.71	.065	250	117	7.04	.14	24	21.2
Boone	Putnam S.L.	S1, T51N, R13W	5.43	8.67	2.23	26.68	1.71	.41	.27	.033	.80	.274	.75	.060	320	120	6.45	.13	18	23.2
New Madrid	Lintonia F.S.L.	Survey 619	4.94	8.20	3.50	25.37	2.61	.52	.14	.041	.86	.243	1.07	.032	390	103	8.12	.10	22	18.8
New Madrid	Lintonia F.S.L.	Sikeston	4.91	8.09	4.03	26.37	2.31	.50	.16	.036	.88	.231	1.00	.082	260	95	6.45	.13	24	21.8
New Madrid	Lintonia F.S.L.	Survey 1032	4.22	8.32	2.19	30.10	1.98	.48	.15	.035	.86	.213	.98	.085	270	44	4.66	.13	13	22.4
New Madrid	Lintonia F.S.L.	Survey 1032	5.57	7.90	3.28	19.91	3.13	.61	.16	.070	.97	.319	1.38	.18	170	150	5.61	.16	30	24.5
New Madrid	Lintonia F.S.L.	Survey 1077	4.22	8.33	2.90	24.98	2.32	.46	.17	.029	1.14	.314	1.03	.040	170	61	7.63	.09	12	23.4
New Madrid	Lintonia F.S.L.	Survey 126																		
Scott	Lintonia F.S.L.	S13, T26N, R13E																		
Wright	Clarksville St.L.	S8, T30N, R13W	5.69	8.14	3.11	22.30	2.95	.45	.19	.029	.97	.201	1.19	.12	190	130	7.34	.10	30	21.5
Wright	Clarksville St.L.	S4, T29N, R14W	6.03	8.25	3.88	22.49	3.14	.56	.19	.035	1.08	.263	1.43	.27	96	180	7.00	.077	24	18.3
Laclede	Clarksville St.L.	S4, T32N, R15W	4.96	8.25	2.08	23.89	1.96	.26	.14	.025	.85	.211	.66	.04	130	105	5.08	.097	20	20.2
Wright	Clarksville St.L.	S?, T32N, R15W	6.19	8.06	2.63	22.03	2.68	.54	.17	.038	.95	.229	1.11	.06	245	152	6.77	.14	34	19.5
Pulaski	Clarksville St.L.	S17, T35N, R13W	4.15	8.39	2.05	25.61	2.00	.28	.13	.026	.81	.226	.87	.030	118	76	5.64	.13	17	19.5
Pulaski	Clarksville St.L.	S26, T36N, R12W	4.69	7.98	2.21	23.78	2.43	.31	.16	.025	.91	.225	.83	.020	112	118	6.5	.077	19	19.5
Pulaski	Clarksville St.L.	S17, T37N, R12W	5.04	8.42	2.29	21.73	2.71	.45	.14	.035	1.12	.397	.80	.018	100	60	7.49	.11	16	24.5
Maries	Clarksville St.L.	S2, T38N, R11W	4.96	7.98	2.39	22.21	2.35	.33	.15	.040	.73	.283	.97	.04	134	100	7.84	.21	26	18.2
Maries	Clarksville St.L.	S15, T40N, R11W																		
Osage	Clarksville St.L.	S13, T42N, R11W	6.65	7.96	2.21	25.06	3.25	.56	.20	.037	.90	.293	1.20	.08	290	84	10.2	.17	30	20.0
Jasper	Cherokee S.L.	S29, T30N, R33W																		
Barton	Cherokee S.L.	S28, T31N, R33W	4.36	9.08	2.84	19.84	1.72	.24	.11	.031	.78	.224	.63	.085	318	104	5.40	.64	27	17.5
Barton	Cherokee S.L.	S10, T32N, R33W	4.60	8.46	2.71	27.13	2.11	.32	.19	.022	.97	.252	.66	.085	150	62	6.08	--#	21	19.5
Barton	Cherokee S.L.	S32, T32N, R33W																		
Barton	Cherokee S.L.	S8, T31N, R33W																		
Barton	Cherokee S.L.	S31, T32N, R32W																		
Barton	Cherokee S.L.	S35, T32N, R32W	4.41	8.55	2.76	24.60	2.75	.42	.20	.022	1.05	.282	.55	.037	225	29	8.12	.12	49	22.8
Barton	Cherokee S.L.	S11, T31N, R32W																		
Barton	Cherokee S.L.	S11, T31N, R32W	4.85	8.57	3.41	20.71	2.84	.52	.16	.022	1.07	.278	.59	.030	120	57	7.20	.14	25	19.0
Barton	Cherokee S.L.	S27, T31N, R32W	5.74	9.16	2.53	22.90	2.27	.41	.16	.039	1.01	.285	.58	.023	200	61	6.32	.22	41	20.4
Andrew	Marshall S.L.	S27, T60N, R35W	5.16	8.14	1.85	31.33	2.12	.41	.13	.043	.86	.163	1.05	.065	185	48	6.0	.10	18	22.0
Holt	Marshall S.L.	S27, T60N, R38W	6.56	7.92	2.02	27.95	2.34	.67	.16	.030	.81	.177	1.10	.037	490	55	8.10	.16	27	22.3
Holt	Marshall S.L.	S20, T61N, R37W	5.15	8.13	1.81	31.28	2.07	.49	.17	.031	.78	.167	.86	.025	475	40	6.64	.20	17	22.9
Holt	Marshall S.L.	S?, T61N, R37W																		
Holt	Marshall S.L.	S23, T62N, R38W	6.35*	8.03	3.05	27.66	2.27	.60	.20	.289	.22	.162	1.10	.135	160	21	5.39	--#	14	8.0
Holt	Marshall S.L.	S36, T62N, R38W	5.87	8.16	2.07	24.18	2.50	.48	.16	.032	.95	.187	1.08	.018	510	61	8.54	.14	17	25.0
Atchison	Marshall S.L.	S12, T63N, R40W	4.92	8.38	2.09	25.77	2.60	.54	.13	.038	.90	.179	1.12	.13	270	50	7.06	.11	20	24.0
Atchison	Marshall S.L.	S13, T63N, R40W	5.18	8.19	2.04	26.61	2.56	.44	.16	.030	.96	.152	.98	.095	290	56	7.58	.090	18	23.0
Atchison	Marshall S.L.	S13, T63N, R40W	5.01	8.82	2.26	27.06	2.41	.46	.16	.038	.95	.155	1.09	.12	200	46	6.5	.07	19	22.5
Atchison	Marshall S.L.	S12, T63N, R40W	6.64*	8.64	3.43	27.55	1.97	.54	.18	.261	.28	.144	1.17	.048	230	37	6.10	.05	20	7.0
Atchison	Marshall S.L.	S?, T65N, R40W	4.35	8.88	2.13	29.86	2.14	.36	.15	.032	.80	.159	.86	.095	150	39	7.04	--#	13	19.5
Atchison	Marshall S.L.	S10, T66N, R40W	8.20*	7.76	2.59	26.72	2.10	.43	.18	.032	.36	.165	1.30	.075	420	55	7.46	.16	20	11.7
Atchison	Marshall S.L.	S33, T67N, R40W	5.66	8.86	2.09	25.78	2.42	.44	.12	.039	.99	.171	.96	.09	270	51	6.70	.088	16	22.3
Atchison	Marshall S.L.	S14, T63N, R40W	5.54	8.38	2.03	26.85	2.44	.47	.14	.036	.85	.141	1.02	.07	400	57	7.04	.14	18	27.5

*This sample is bluegrass, not lespedeza.

** The sample was used up before this data could be obtained.

--#The amount of cobalt was too low to measure by the method used, i.e., it was less than about 0.02 ppm.

TABLE 1 -- CONTINUED

County	Soil Type	Location	Ash Percent	Moisture Percent	Fat Percent	Fiber Percent	Nitrogen Percent	P_2O_5 Percent	1951 Sulfur Percent	Chlorine Percent	Calcium Percent	Magnesium Percent	Potassium Percent	Sodium Percent	Iron ppm.	Manganese ppm.	Copper ppm.	Cobalt ppm.	Zinc ppm.	Boron ppm.
Randolph	Putnam S.L.	S21, T54N, R13W	6.84	8.66	1.76	30.81	3.16	0.59	0.18	0.039	1.24	0.255	1.51	0.255	120	112	8.7	0.032	25	**
Randolph	Putnam S.L.	S13, T53N, R13W	5.51	8.16	2.07	28.41	2.46	.45	.15	.086	1.34	.260	1.28	.33	162	52	8.4	.17	18	26.0
Randolph	Putnam S.L.	S9, T52N, R15W	5.81	9.14	1.41	30.91	2.80	.49	.19	.053	1.22	.251	1.07	.083	360	73	.85	.14	22	30.5
Randolph	Putnam S.L.	S14, T53N, R13W	6.09	8.10	2.12	31.23	2.49	.42	.19	.096	.97	.172	1.68	.10	115	61	6.8	.34	19	24.2
Audrain	Putnam S.L.	S26, T52N, R12W	6.64	9.15	1.52	31.78	2.92	.53	.26	.022	1.09	.244	1.15	.27	185	273	9.4	.36	30	27.8
Boone	Putnam S.L.	S27, T51N, R11W	6.16	8.46	1.79	31.30	2.50	.37	.15	.055	1.12	.289	1.33	.21	132	132	8.8	.32	32	26.0
Boone	Putnam S.L.	S34, T51N, R11W	6.67	8.93	1.91	29.39	3.08	.59	.26	.029	1.28	.267	.90	.12	145	200	12.2	.21	42	27.2
Boone	Putnam S.L.	S34, T51N, R11W	5.81	8.88	1.79	26.02	3.04	.51	.22	.028	1.12	.290	.92	.085	103	160	9.3	.16	28	27.0
Boone	Putnam S.L.	S27, T51N, R11W	7.18	8.24	1.59	30.28	2.51	.41	.21	.027	1.05	.247	1.40	.12	310	54	6.1	.68	19	22.5
Boone	Putnam S.L.	S1, T51N, R13W	9.70	8.20	1.82	29.94	2.68	.49	.22	.029	1.33	.219	1.45	.045	540	58	5.91	.64	18	21.5
New Madrid	Lintonia F.S.L.	Survey 619	6.62	7.99	1.70	31.11	2.38	.44	.15	.021	.90	.213	1.27	.12	230	135	4.9	.14	10	20.7
New Madrid	Lintonia F.S.L.	Sikeston																		
New Madrid	Lintonia F.S.L.	Survey 1032	5.75	7.71	1.91	30.96	2.33	.50	.15	.021	1.16	.191	.92	.085	130	76	7.1	.088	13	23.0
New Madrid	Lintonia F.S.L.	Survey 1032																		
New Madrid	Lintonia F.S.L.	Survey 1077	6.26	8.13	1.73	30.28	2.79	.61	.22	.027	1.00	.252	1.00	.03	105	63	10.1	.039	22	29.8
New Madrid	Lintonia F.S.L.	Survey 126	**	9.33	1.67	30.70	2.79	.63	.22	.034	1.24	.271	1.13	.04	150	93	9.4	.11	21	**
Scott	Lintonia F.S.L.	S13, T26N, R13E	5.95	7.90	1.76	35.79	2.16	.58	.13	.020	.77	.161	1.04	.085	120	47	5.9	--#	20	25.7
Wright	Clarksville St.L.	S8, T30N, R13W	6.07	7.83	1.85	30.25	2.30	.40	.16	.022	.80	.228	1.20	.053	230	94	9.2	.15	18	23.5
Wright	Clarksville St.L.	S4, T29N, R14W	5.61	7.85	2.10	26.10	2.56	.42	.17	.033	1.26	.338	.88	.04	110	82	8.0	.11	22	27.5
Laclede	Clarksville St.L.	S4, T32N, R14W	5.27	7.97	1.85	28.93	2.27	.37	.17	.020	1.25	.207	.87	.04	82	92	10.3	.12	27	26.5
Wright	Clarksville St.L.	S?, T32N, R15W	7.02	8.26	2.26	26.03	2.54	.54	.13	.021	1.37	.200	1.61	.215	80	43	8.1	.06	28	23.5
Pulaski	Clarksville St.L.	S17, T35N, R13W	4.69	8.20	1.81	30.96	2.00	.29	.12	.018	1.11	.238	.76	.065	95	60	9.8	.090	35	22.8
Pulaski	Clarksville St.L.	S26, T36N, R12W	6.07	7.39	2.00	28.47	2.36	.40	.15	.020	1.38	.200	1.20	.055	110	74	7.4	.13	14	17.8
Pulaski	Clarksville St.L.	S17, T37N, R12W	5.71	7.52	2.46	23.22	3.02	.54	.20	.028	1.12	.285	1.16	.05	120	45	11.2	.11	51	22.5
Maries	Clarksville St.L.	S2, T38N, R11W	6.30	7.95	1.88	27.35	2.32	.37	.16	.022	1.19	.224	.99	.04	90	74	9.9	.36	20	20.5
Maries	Clarksville St.L.	S15, T40N, R11W	5.42	7.69	1.79	28.18	2.18	.29	.14	.027	.78	.302	.97	.05	190	128	7.2	.73	16	17.8
Osage	Clarksville St.L.	S13, T42N, R11W	6.12	7.82	2.41	22.43	2.11	.23	.12	.023	1.03	.299	1.04	.04	290	61	7.2	.15	28	17.1
Jasper	Cherokee S.L.	S29, T30N, R33W	6.15	9.00	1.84	30.90	2.35	.38	.31	.026	1.18	.304	.90	.04	230	35	11.3	.19	128	24
Barton	Cherokee S.L.	S28, T31N, R33W	5.97	8.05	2.19	26.13	1.95	.23	.22	.016	1.12	.199	1.07	.04	355	40	6.5	.20	100	17.7
Barton	Cherokee S.L.	S10, T32N, R33W	6.73	8.28	1.83	33.35	1.94	.29	.18	.014	.94	.263	1.03	.022	420	103	7.8	.58	38	17.9
Barton	Cherokee S.L.	S32, T32N, R33W	5.68	7.90	1.76	30.10	2.51	.55	.25	.054	1.34	.274	.83	.022	143	54	8.5	.13	40	20.0
Barton	Cherokee S.L.	S8, T31N, R33W	5.47	8.33	2.40	26.27	2.37	.32	.19	.022	.90	.233	1.05	.05	180	67	8.2	.53	55	18.0
Barton	Cherokee S.L.	S31, T32N, R32W	7.36	7.53	2.16	27.45	2.52	.41	.22	.029	1.08	.246	1.07	.047	705	56	13.0	.32	120	20.6
Barton	Cherokee S.L.	S35, T32N, R32W	6.45	8.31	1.85	30.97	2.47	.48	.26	.032	1.16	.273	.70	.02	190	43	13.6	.16	192	20.0
Barton	Cherokee S.L.	S11, T31N, R32W	6.35	7.81	1.83	30.01	2.66	.55	.22	.057	1.11	.263	.78	.053	160	59	9.1	.036	30	20.5
Barton	Cherokee S.L.	S11, T31N, R32W	6.32	8.36	1.95	29.30	2.58	.50	.18	.024	1.26	.240	.78	.02	138	51	9.4	.18	39	19.8
Barton	Cherokee S.L.	S27, T31N, R32W	6.10	8.05	1.78	27.15	2.77	.44	.22	.032	1.26	.271	.70	.02	140	80	11.2	.17	130	21.0
Andrew	Marshall S.L.	S27, T60N, R35W	6.18	8.58	1.84	30.58	2.26	.35	.14	.026	1.02	.245	1.03	.04	165	42	7.3	.12	22	22.2
Holt	Marshall S.L.	S27, T60N, R38W	6.04	8.02	1.77	29.27	2.54	.40	.14	.022	1.17	.193	1.11	.055	150	54	11.5	.054	22	21.2
Holt	Marshall S.L.	S20, T61N, R37W	6.38	8.28	1.95	26.78	2.82	.52	.15	.023	1.16	.206	1.34	.065	140	55	10.0	.10	20	22.2
Holt	Marshall S.L.	S?, T61N, R37W	7.10	8.31	1.60	31.27	2.33	.42	.16	.040	1.12	.213	1.11	.075	300	50	9.0	.19	17	20.6
Holt	Marshall S.L.	S23, T62N, R38W	11.84	7.78	1.52	29.08	2.65	.56	.20	.029	1.37	.254	1.45	.035	1800	38	9.2	.35	22	30.0
Holt	Marshall S.L.	S36, T62N, R38W	7.37	7.92	1.67	34.43	2.06	.49	.10	.025	1.26	.215	1.14	.053	210	26	8.4	.15	12	19.5
Atchison	Marshall S.L.	S12, T63N, R40W	6.99	8.02	1.92	29.43	2.39	.56	.14	.032	1.05	.173	1.45	.085	200	46	8.0	.21	15	22.0
Atchison	Marshall S.L.	S13, T63N, R40W	6.16	9.20	1.95	30.56	2.04	.38	.08	.029	1.34	.175	.84	.06	190	46	6.0	.11	16	19.5
Atchison	Marshall S.L.	S13, T63N, R40W	6.12	8.91	1.92	27.80	2.07	.39	.10	.027	1.35	.174	.88	.03	160	45	6.4	.036	10	19.0
Atchison	Marshall S.L.	S12, T63N, R40W	5.84	8.21	1.80	29.12	2.19	.40	.10	.026	1.11	.190	1.26	.03	94	49	7.5	.09	15	17.9
Atchison	Marshall S.L.	S?, T65N, R40W	6.54	7.93	2.08	30.39	2.22	.42	.13	.001	1.45	.239	1.27	.04	132	33	7.6	.042	15	19.6
Atchison	Marshall S.L.	S10, T66N, R50W	7.60	7.81	2.07	29.03	2.33	.41	.09	.002	1.52	.261	1.17	.05	1100	56	7.0	.24	13	19.0
Atchison	Marshall S.L.	S33, T67N, R40W	6.31	8.21	2.52	34.90	2.11	.54	.11	.033	1.12	.202	1.15	.04	418	37	6.8	.26	14	18.0
Atchison	Marshall S.L.	S14, T63N, R40W	7.27	8.00	2.09	25.70	2.64	.50	.15	.018	1.26	.251	1.59	.035	110	45	7.0	--#	17	21.2

*This sample is bluegrass, not lespedeza.

**The sample was used up before this data could be obtained.

--#The amount of cobalt was too low to measure by the method used, i.e., it was less than about 0.02 ppm.

TABLE 1 -- CONTINUED

County	Soil Type	Location	Ash Percent	Moisture Percent	Fat Percent	Fiber Percent	Nitrogen Percent	1950† P_2O_5 Percent	Calcium Percent	Magnesium Percent	Potassium Percent	Sodium Percent	Iron ppm.	Manganese ppm.
Randolph	Putnam S.L.	S21, T54N, R13W	5.04	10.40	1.92	28.71	1.90	.27	0.91	0.215	0.74	0.065	1300	53
Randolph	Putnam S.L.	S13, T53N, R13W	4.87	10.78	2.00	28.90	2.05	.27	1.01	.210	.76	.025	100	50
Randolph	Putnam S.L.	S9, T52N, R15W	5.31	10.39	2.10	27.99	2.62	.53	1.05	.241	.68	.03	160	44
Randolph	Putnam S.L.	S14, T53N, R13W	4.96	10.53	2.17	27.68	2.08	.33	1.00	.247	.65	.035	140	56
Audrain	Putnam S.L.	S26, T52N, R12W	5.23	10.43	2.14	26.21	2.27	.41	.95	.246	.76	.025	160	53
Boone	Putnam S.L.	S27, T51N, R11W	5.74	11.16	2.48	23.43	1.99	.34	1.00	.306	.98	.045	220	88
Boone	Putnam S.L.	S34, T51N, R11W	5.27	11.32	2.30	24.47	1.89	.38	.91	.332	.68	.05	130	87
Boone	Putnam S.L.	S34, T51N, R11W	5.08	11.47	2.48	24.14	1.64	.33	.94	.243	.70	.05	120	110
Boone	Putnam S.L.	S27, T51N, R11W	5.41	11.26	2.35	21.60	2.24	.34	.98	.300	.80	.035	140	107
Boone	Putnam S.L.	S1, T51N, R13W	5.09	11.11	2.08	25.99	1.56	.33	.91	.266	.72	.03	180	74
New Madrid	Lintonia F.S.L.	Survey 619												
New Madrid	Lintonia F.S.L.	Sikeston												
New Madrid	Lintonia F.S.L.	Survey 1032												
New Madrid	Lintonia F.S.L.	Survey 1032												
New Madrid	Lintonia F.S.L.	Survey 1077												
New Madrid	Lintonia F.S.L.	Survey 126												
Scott	Lintonia F.S.L.	S13, T26N, R13E												
Wright	Clarksville St.L.	S8, T30N, R13W	3.62	10.93	2.94	22.80	1.80	.20	.72	.292	.58	.05	84	78
Wright	Clarksville St.L.	S4, T29N, R14W	4.20	10.29	2.39	26.31	2.02	.30	.91	.203	.61	.058	76	97
Laclede	Clarksville St.L.	S4, T32N, R15W	4.69	10.32	2.19	27.22	1.98	.35	1.12	.163	.88	.025	130	84
Wright	Clarksville St.L.	S?, T32N, R15W	5.14	10.42	2.20	27.51	2.09	.49	.94	.141	1.13	.058	88	54
Pulaski	Clarksville St.L.	S17, T35N, R13W	4.15	10.51	2.20	25.24	1.87	.30	.85	.243	.63	.05	68	48
Pulaski	Clarksville St.L.	S26, T36N, R12W	3.96	9.40	2.30	29.35	1.67	.25	.81	.182	.56	.033	90	89
Pulaski	Clarksville St.L.	S17, T37N, R12W	4.80	9.79	1.76	29.64	1.98	.30	.86	.271	.80	.05	72	75
Maries	Clarksville St.L.	S2, T38N, R11W	5.07	10.20	2.06	25.41	2.02	.32	.96	.238	.93	.055	77	42
Maries	Clarksville St.L.	S15, T40N, R11W	4.44	9.85	1.78	31.13	1.50	.20	.74	.173	.75	.045	110	60
Osage	Clarksville St.L.	S13, T42N, R11W	4.31	10.70	2.01	25.56	1.90	.22	.77	.184	.91	.035	94	65
Jasper	Cherokee S.L.	S29, T30N, R33W	5.06	11.24	2.28	20.05	2.21	.37	1.12	.288	.74	.04	150	43
Barton	Cherokee S.L.	S28, T31N, R33W	4.73	9.81	2.17	29.93	2.09	.40	.98	.194	.82	.045	360	76
Barton	Cherokee S.L.	S10, T32N, R33W	3.49	9.90	2.02	35.52	1.56	.28	.88	.158	.54	.025	190	95
Barton	Cherokee S.L.	S32, T32N, R33W	4.30	10.51	2.27	29.37	2.22	.31	.92	.266	.85	.035	250	150
Barton	Cherokee S.L.	S8, T31N, R33W	4.56	10.63	1.99	33.23	2.27	.38	.71	.185	1.06	.035	125	89
Barton	Cherokee S.L.	S31, T32N, R32W	5.60	10.23	2.08	32.49	2.36	.46	1.12	.161	1.23	.035	125	52
Barton	Cherokee S.L.	S35, T32N, R32W	5.20	10.29	2.23	28.94	2.14	.32	1.28	.200	.65	.045	230	73
Barton	Cherokee S.L.	S11, T31N, R32W	4.20	10.10	2.17	30.45	2.19	.40	.80	.197	.89	.05	240	200
Barton	Cherokee S.L.	S11, T31N, R32W	4.14	9.81	2.13	32.01	2.33	.53	1.03	.155	.71	.02	230	105
Barton	Cherokee S.L.	S27, T31N, R32W	3.61	10.07	2.26	29.31	2.07	.36	.82	.180	.60	.033	270	125
Andrew	Marshall S.L.	S27, T60N, R35W	6.53	9.59	1.97	30.24	2.28	.40	1.04	.234	1.16	.08	135	69
Holt	Marshall S.L.	S27, T60N, R38W	7.53	10.31	2.13	27.11	2.73	.55	1.17	.200	1.31	.03	280	93
Holt	Marshall S.L.	S20, T61N, R37W	7.02	10.74	2.07	28.30	2.22	.53	1.19	.195	1.21	.06	210	48
Holt	Marshall S.L.	S?, T61N, R37W	6.66*	7.56	2.38	29.95	1.77	.42	.30	.140	1.36	.053	120	38
Holt	Marshall S.L.	S23, T62N, R38W	5.96*	8.83	2.67	30.54	1.56	.56	.29	.143	1.29	.04	130	31
Holt	Marshall S.L.	S36, T62N, R38W	7.11	10.03	2.01	27.56	2.59	.50	1.15	.201	1.41	.05	180	41
Atchison	Marshall S.L.	S12, T63N, R40W	7.26	9.53	1.94	28.64	2.23	.57	1.28	.192	1.24	.07	220	150
Atchison	Marshall S.L.	S13, T63N, R40W	7.08	9.40	2.14	28.62	2.38	.56	1.15	.205	1.44	.05	170	52
Atchison	Marshall S.L.	S13, T63N, R40W	6.86	9.92	2.22	26.01	2.53	.55	1.12	.176	1.32	.045	115	48
Atchison	Marshall S.L.	S12, T63N, R40W	8.22*	7.79	2.14	30.53	1.56	.53	.30	.144	1.06	.035	250	58
Atchison	Marshall S.L.	S?, T65N, R40W	6.20	9.70	2.20	26.50	2.58	.45	.99	.216	1.30	.045	280	57
Atchison	Marshall S.L.	S10, T66N, R40W	6.68*	8.34	2.00	28.32	1.62	.46	.31	.131	1.23	.06	320	53
Atchison	Marshall S.L.	S33, T67N, R40W	6.68	9.34	2.08	29.30	2.32	.60	.99	.216	1.54	.07	120	72
Atchison	Marshall S.L.	S14, T63N, R40W	6.77	10.85	2.12	28.00	2.57	.57	1.09	.175	1.46	.05	180	50

*This sample is bluegrass, not lespedeza.

**The sample was used up before this data could be obtained.

†The samples collected in 1950 unfortunately were contaminated with copper and zinc by grinding in a Wiley mill with a brass screen. These elements therefore were not determined in these samples.