

Table 1. Summary of Annual Ownership Costs, Performance Rates, and Hourly Operation Costs by Machines, 1999 Field Crop Budgets

Code	Machine	Size	Purchase Price	Salvage Value	Years		Deprec.	Interest	Insurance	Taxes	Total	Hours of Use	Repair Cost/Hr	Fuel Cost/Hr	Lube Cost/Hr	Total	Perf. Rate	Perf. Rate
					Annual Ownership Cost	Operating Cost/Hr												
1	Tractor, 16hp,(1)	16	10,900	2403	20	500	424.84	681.79	56.54	53.21	1216.38	500	1.090	0.576	0.086	1.752	1.000	1.000
2	Tractor, 25hp,(2)	25	14,800	3263	20	500	576.84	925.73	76.77	72.25	1651.60	500	1.480	0.900	0.135	2.515	1.000	1.000
3	Tractor, 35hp,(3)	35	16,800	3704	20	500	654.80	1050.83	87.14	82.02	1874.79	500	1.680	1.260	0.189	3.129	1.000	1.000
4	Tractor, 40hp,(4)	40	19,600	4321	20	500	763.93	1225.97	101.67	95.69	2187.25	500	1.960	1.440	0.216	3.616	1.000	1.000
5	Tractor, 45hp,(5)	45	23,200	5115	20	500	904.24	1451.15	120.34	113.26	2588.99	500	2.320	1.620	0.243	4.183	1.000	1.000
6	Tractor, 55hp,(6)	55	27,900	6151	20	500	1087.43	1745.13	144.72	136.21	3113.49	500	2.790	1.980	0.297	5.067	1.000	1.000
7	Tractor, 70hp,(7)	70	32,000	7055	20	500	1247.23	2001.59	165.99	156.22	3571.03	500	3.200	2.520	0.378	6.098	1.000	1.000
8	Tractor, 80hp,(8)	80	37,100	8180	20	500	1446.01	2320.59	192.44	181.12	4140.16	500	3.710	2.880	0.432	7.022	1.000	1.000
9	Tractor, 90hp,(9)	90	43,600	9613	20	500	1699.35	2727.16	226.16	212.85	4865.52	500	4.360	3.240	0.486	8.086	1.000	1.000
10	Tractor, 100hp,(10)	100	49,600	10936	20	500	1933.21	3102.46	257.28	242.14	5535.09	500	4.960	3.600	0.540	9.100	1.000	1.000
11	Tractor, 110hp,(11)	110	56,600	12479	20	500	2206.04	3540.31	293.59	276.32	6316.25	500	5.660	3.960	0.594	10.214	1.000	1.000
12	Tractor, 130hp,(12)	130	62,700	13824	20	500	2443.79	3921.86	325.23	306.10	6996.98	500	6.270	4.680	0.702	11.652	1.000	1.000
13	Tractor, 155hp,(13)	155	74,300	16382	20	500	2895.91	4647.44	385.40	362.73	8291.48	500	7.430	5.580	0.837	13.847	1.000	1.000
14	Tractor,180hp,4WD(14)	180	95,000	20946	20	500	3702.72	5942.22	492.77	463.78	10601.48	500	9.500	6.480	0.972	16.952	1.000	1.000
15	0	0	0	ERR	0	0	ERR	ERR	ERR	ERR	ERR	0	ERR	0.000	0.000	ERR	1.000	1.000
16	0	0	0	ERR	0	0	ERR	ERR	ERR	ERR	ERR	0	ERR	0.000	0.000	ERR	1.000	1.000
17	Bale Conveyor	16	3,000	156	20	100	142.18	161.76	13.41	12.63	329.99	100	1.800	0.000	0.000	1.800	0.154	6.497
18	Bale Conveyor	15	3,000	503	12	150	208.06	179.54	14.89	14.01	416.51	150	1.744	0.000	0.000	1.744	0.115	8.673
19	Bale Conveyor	15	3,000	503	12	150	208.06	179.54	14.89	14.01	416.51	150	1.744	0.000	0.000	1.744	0.191	5.236
20	Bale Conveyor	16	3,000	503	12	150	208.06	179.54	14.89	14.01	416.51	150	1.744	0.000	0.000	1.744	0.179	5.585
21	Bedder,8R	20	12,600	1210	15	125	759.35	707.75	58.69	55.24	1581.03	125	4.912	0.000	0.000	4.912	0.109	9.212
22	Bottom Plow,3-16	4	2,400	230	15	125	144.64	134.81	11.18	10.52	301.15	125	1.708	0.000	0.000	1.708	0.573	1.745
23	Bottom Plow,3-16	4	2,300	221	15	100	138.61	129.19	10.71	10.08	288.60	100	1.369	0.000	0.000	1.369	0.573	1.745
24	Bottom Plow,4-16	5.3	7,600	730	15	125	458.02	426.89	35.40	33.32	953.64	125	5.409	0.000	0.000	5.409	0.432	2.313
25	Bush Hog	15	7,900	708	15	125	479.47	441.15	36.58	34.43	991.64	125	5.662	0.000	0.000	5.662	0.151	6.627
26	Bush Hog	7	1,900	170	15	125	115.32	106.10	8.80	8.28	238.50	125	1.362	0.000	0.000	1.362	0.323	3.093
27	Bush Hog	7.5	1,900	170	15	125	115.32	106.10	8.80	8.28	238.50	125	1.362	0.000	0.000	1.362	0.302	3.314
28	Bush Hog	7.5	1,900	170	15	125	115.32	106.10	8.80	8.28	238.50	125	1.362	0.000	0.000	1.362	0.302	3.314
29	Bush Hog	7.5	1,900	170	15	125	115.32	106.10	8.80	8.28	238.50	125	1.362	0.000	0.000	1.362	0.302	3.314
30	Bush Hog	7.5	1,900	170	15	125	115.32	106.10	8.80	8.28	238.50	125	1.362	0.000	0.000	1.362	0.302	3.314
31	Bush Hog	7	1,900	170	15	125	115.32	106.10	8.80	8.28	238.50	125	1.362	0.000	0.000	1.362	0.194	5.155
32	Bush Hog, Offset	7	3,500	314	15	125	212.43	195.45	16.21	15.25	439.34	125	2.508	0.000	0.000	2.508	0.421	2.376
33	Chisel Plow,11FT	11	3,900	374	15	125	235.04	219.06	18.17	17.10	489.37	125	1.520	0.000	0.000	1.520	0.214	4.680
34	Chisel Plow,8FT	8	3,000	288	15	125	180.80	168.51	13.97	13.15	376.44	125	1.169	0.000	0.000	1.169	0.286	3.491
35	Combine,SP,4row	10	103,400	21653	10	200	8174.67	6408.98	531.48	500.21	15615.34	200	18.068	4.860	0.729	23.657	0.410	2.436
36	Combine,SP,4row	10	103,400	21653	10	200	8174.67	6408.98	531.48	500.21	15615.34	200	18.068	4.860	0.729	23.657	0.410	2.436
37	Combine,SP,SG	13	97,900	18323	10	200	7957.73	5956.41	493.95	464.89	14872.98	200	17.107	3.348	0.502	20.957	0.316	3.167
38	Combine,SP,SG	18	130,500	27328	10	200	10317.16	8088.71	670.77	631.31	19707.95	200	22.803	4.788	0.718	28.309	0.228	4.385
39	Combine,SP,SG	20	130,500	27328	10	200	10317.16	8088.71	670.77	631.31	19707.95	200	22.803	4.788	0.718	28.309	0.205	4.873
40	Corn Head Attch 4-R	10	16,400	2423	12	100	1164.75	964.68	80.00	75.29	2284.72	100	1.906	0.000	0.000	1.906	0.410	2.436
41	Corn Head Attch 6-R	15	21,700	3206	12	100	1541.17	1276.43	105.85	99.62	3023.07	100	2.522	0.000	0.000	2.522	0.274	3.655
42	Corn Planter,4R	10	15,200	2688	10	100	1251.20	916.76	76.02	71.55	2315.54	100	8.279	0.000	0.000	8.279	0.274	3.655
43	Corn Planter,4R	10	15,200	2688	10	100	1251.20	916.76	76.02	71.55	2315.54	100	8.279	0.000	0.000	8.279	0.306	3.273
44	Corn Planter,4R	10	15,200	2688	10	100	1251.20	916.76	76.02	71.55	2315.54	100	8.279	0.000	0.000	8.279	0.274	3.655
45	Corn Planter,6R	15	18,400	3254	10	100	1514.61	1109.76	92.03	86.62	2803.02	100	10.022	0.000	0.000	10.022	0.182	5.482
46	Corn Planter,6R	15	18,400	3254	10	100	1514.61	1109.76	92.03	86.62	2803.02	100	10.022	0.000	0.000	10.022	0.275	3.636
47	Corn Planter,8R	20	26,800	4739	10	100	2206.07	1616.39	134.04	126.16	4082.66	100	14.598	0.000	0.000	14.598	0.137	7.309
48	Corn Planter,8R	20	26,800	4739	10	100	2206.07	1616.39	134.04	126.16	4082.66	100	14.598	0.000	0.000	14.598	0.137	7.309
49	Cotton Picker	13.3	206,300	38915	10	300	16738.55	12567.25	1042.16	980.86	31328.81	300	54.753	3.600	0.540	58.893	0.295	3.385

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					Of Life	Hrs/Use Annually					Annual Ownership Cost					Total Operating Cost/Hr		
50	Cotton Pfltr,4R	13.3	12,800	2264	10	100	1053.64	772.01	64.02	60.25	1949.93	100	6.972	0.000	0.000	6.972	0.206	4.861
51	Cotton Pfltr,4R	10	12,100	2140	10	100	996.02	729.79	60.52	56.96	1843.29	100	6.591	0.000	0.000	6.591	0.306	3.273
52	Culti-Packer	20	10,900	1928	10	100	897.24	657.41	54.52	51.31	1660.48	100	5.937	0.000	0.000	5.937	0.110	9.055
53	Cult,Pack Seeder	7	8,700	835	15	50	524.32	488.68	40.52	38.14	1091.66	50	3.453	0.000	0.000	3.453	0.364	2.749
54	Cult/Fert, 4 Row	16	6,200	323	20	100	293.84	334.31	27.72	26.09	681.97	100	2.480	0.000	0.000	2.480	0.143	6.982
55	Disk Bedder,4 Row	12	5,000	480	15	125	301.33	280.85	23.29	21.92	627.39	125	1.949	0.000	0.000	1.949	0.201	4.975
56	Disk-Bedder,6R,A	15	7,500	720	15	125	452.00	421.28	34.94	32.88	941.09	125	2.150	0.000	0.000	2.150	0.145	6.909
57	Disk-Hiller,2R	8	2,300	221	15	125	138.61	129.19	10.71	10.08	288.60	125	0.659	0.000	0.000	0.659	0.286	3.491
58	Disk-Hiller,2R	8	2,200	211	15	100	132.59	123.57	10.25	9.64	276.05	100	0.539	0.000	0.000	0.539	0.286	3.491
59	Drill, w/ Fert.	13.3	10,500	1857	10	100	864.32	633.29	52.52	49.43	1599.55	100	5.719	0.000	0.000	5.719	0.191	5.223
60	Drill, w/o Fert.	13.3	9,000	2032	8	150	870.99	565.39	46.89	44.13	1527.40	150	5.991	0.000	0.000	5.991	0.191	5.223
61	Drill, w/o Fert.	13.3	9,000	1592	10	50	740.84	542.82	45.01	42.37	1371.04	50	2.287	0.000	0.000	2.287	0.191	5.223
62	Farm Wagon	7	1,900	215	16	250	105.30	108.41	8.99	8.46	231.15	250	0.299	0.000	0.000	0.299	0.314	3.182
63	Field Cult,14FT	14	4,500	235	20	100	213.27	242.65	20.12	18.94	494.98	100	1.800	0.000	0.000	1.800	0.129	7.738
64	Field Cult,20FT	20	5,700	297	20	100	270.15	307.35	25.49	23.99	626.97	100	2.280	0.000	0.000	2.280	0.092	10.909
65	Field Cultivator	12	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	1.640	0.000	0.000	1.640	0.124	8.036
66	Field Cultivator	16	4,900	255	20	100	232.23	264.21	21.91	20.62	538.98	100	1.960	0.000	0.000	1.960	0.093	10.715
67	Field Cultivator	12	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	1.640	0.000	0.000	1.640	0.124	8.036
68	Fluffer	13	3,800	185	20	100	180.76	204.22	16.94	15.94	417.86	100	0.760	0.000	0.000	0.760	0.181	5.515
69	Forage Hvstr	9	20,600	2663	12	150	1494.75	1192.23	98.87	93.05	2878.90	150	7.736	0.000	0.000	7.736	0.477	2.095
70	Grain Wagon	5	10,300	1902	12	150	699.82	625.36	51.86	48.81	1425.85	150	3.992	0.000	0.000	3.992	0.629	1.590
71	Granular Applic	15	2,100	102	20	50	99.89	112.86	9.36	8.81	230.92	50	1.716	0.000	0.000	1.716	0.164	6.091
72	Granular Applic	12	2,100	102	20	50	99.89	112.86	9.36	8.81	230.92	50	1.716	0.000	0.000	1.716	0.205	4.873
73	Grass Heat Atch	9	5,200	253	20	50	247.35	279.46	23.18	21.81	571.80	50	1.372	0.000	0.000	1.372	0.477	2.095
74	H-C (Highboy) Sprayer	47	54,300	8022	12	150	3856.47	3194.02	264.87	249.29	7564.65	150	20.858	2.160	0.324	23.342	0.073	13.673
75	Hay Baler,SQ,Twine	9	14,700	715	20	100	699.24	790.02	65.51	61.66	1616.44	100	5.876	0.000	0.000	5.876	0.456	2.193
76	Hay Baler,SQ,Twine	16	14,700	715	20	100	699.24	790.02	65.51	61.66	1616.44	100	5.876	0.000	0.000	5.876	0.257	3.898
77	Hay Baler,SQ,Twine	16	14,700	715	20	100	699.24	790.02	65.51	61.66	1616.44	100	5.876	0.000	0.000	5.876	0.257	3.898
78	Hay Baler,SQ,Twine	15	14,700	715	20	100	699.24	790.02	65.51	61.66	1616.44	100	5.876	0.000	0.000	5.876	0.274	3.655
79	Hay Baler,SQ,Twine	15	14,700	715	20	100	699.24	790.02	65.51	61.66	1616.44	100	5.876	0.000	0.000	5.876	0.274	3.655
80	Hay Wagon w/Side	9	3,700	180	20	100	176.00	198.85	16.49	15.52	406.86	100	1.036	0.000	0.000	1.036	0.456	2.193
81	Hay Wagon w/Side	32	3,700	180	20	100	176.00	198.85	16.49	15.52	406.86	100	0.777	0.000	0.000	0.777	0.257	3.898
82	Hay Wagon w/Side	30	3,700	180	20	100	176.00	198.85	16.49	15.52	406.86	100	1.036	0.000	0.000	1.036	0.286	3.491
83	Hay Wagon w/Side	30	3,700	180	20	100	176.00	198.85	16.49	15.52	406.86	100	1.036	0.000	0.000	1.036	0.286	3.491
84	Hay Wagon w/Side	32	3,700	180	20	100	176.00	198.85	16.49	15.52	406.86	100	1.036	0.000	0.000	1.036	0.286	3.491
85	Hay Wagon,SP	9	69,300	10238	12	150	4921.80	4076.34	338.04	318.15	9654.33	150	24.385	3.600	0.540	28.525	0.611	1.636
86	Lime SP(dribble)	12	2,300	112	20	50	109.41	123.61	10.25	9.65	252.91	50	1.879	0.000	0.000	1.879	0.205	4.873
87	Lime SP(rotary)	30	1,300	63	20	50	61.84	69.87	5.79	5.45	142.95	50	1.231	0.000	0.000	1.231	0.082	12.182
88	Lime SP(rotary)	30	1,200	108	15	25	72.83	67.01	5.56	5.23	150.63	25	0.847	0.000	0.000	0.847	0.092	10.909
89	Mow/Cond/Wind,PTO	9	12,800	623	20	100	608.87	687.91	57.05	53.69	1407.52	100	5.120	0.000	0.000	5.120	0.272	3.682
90	No-Till Drill, 18ft	18	30,000	8648	6	200	3558.61	1980.73	164.26	154.59	5858.19	200	19.970	0.000	0.000	19.970	0.141	7.069
91	No-Till Drill, 15ft	15	26,800	1397	20	60	1270.16	1445.09	119.84	112.79	2947.87	60	17.840	0.000	0.000	17.840	0.170	5.891
92	Orch Spyr,PTO,100GA	12	3,100	429	12	125	222.55	180.88	15.00	14.12	432.55	125	1.447	0.000	0.000	1.447	0.342	2.924
93	Orch Spyr,PTO,300GA	20	12,300	1704	12	125	883.03	717.69	59.52	56.01	1716.25	125	5.740	0.000	0.000	5.740	0.205	4.873
94	Orch Spyr,PTO,500GA	20	15,900	2202	12	125	1141.48	927.74	76.93	72.41	2218.56	125	7.420	0.000	0.000	7.420	0.205	4.873
95	Orch Spyr,PTO,50GA	10	1,800	249	12	125	129.22	105.03	8.71	8.20	251.16	125	0.840	0.000	0.000	0.840	0.410	2.436
96	Orch Spyr,PTO,50GA	10	2,500	346	12	100	179.48	145.87	12.10	11.39	348.83	100	1.091	0.000	0.000	1.091	0.306	3.273
97	Peanut Combine	12	43,300	2217	20	100	2054.17	2332.73	193.45	182.07	4762.41	100	7.566	0.000	0.000	7.566	0.513	1.949
98	Peanut D/S/W/I	12	15,100	2670	10	100	1242.97	910.73	75.52	71.08	2300.30	100	4.979	0.000	0.000	4.979	0.302	3.316

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99	Peanut Plier,4R	12	14,700	2600	10	100	1210.04	886.60	73.52	69.20	2239.37	100	11.742	0.000	0.000	11.742	0.228	4.385
100	Pickup, 1/2 Ton	130	16,000	4034	8	500	1495.74	1026.74	85.14	80.14	2687.77	500	3.200	4.914	0.737	8.851	1.000	1.000
101	Planter,4 Row,Shapers	10	15,200	2688	10	100	1251.20	916.76	76.02	71.55	2315.54	100	8.279	0.000	0.000	8.279	0.306	3.273
102	Pnut Digger, 4Row	12	15,100	787	20	46	715.65	814.21	67.52	63.55	1660.93	46	4.658	0.000	0.000	4.658	0.302	3.316
103	Pop-Up Loader	9	1,300	68	20	100	61.61	70.10	5.81	5.47	142.99	100	0.780	0.000	0.000	0.780	0.456	2.193
104		0	0	ERR	0	0	ERR	ERR	ERR	ERR	ERR	0	ERR	0.000	0.000	ERR	0.000	0.000
105	Rake,S-Del,PTO	9	4,300	209	20	100	204.54	231.10	19.16	18.04	472.84	100	2.150	0.000	0.000	2.150	0.306	3.273
106	Ripper-Bedder,4R	10	7,300	701	15	125	439.94	410.04	34.00	32.00	915.99	125	2.846	0.000	0.000	2.846	0.241	4.145
107	Rnd Bale Fork,TM	9	400	19	20	100	19.03	21.50	1.78	1.68	43.98	100	0.127	0.000	0.000	0.127	0.437	2.291
108	Roll Cult,8R	20	6,200	323	20	100	293.84	334.31	27.72	26.09	681.97	100	2.480	0.000	0.000	2.480	0.090	11.055
109	Roll Cultivator	10	4,200	219	20	100	199.05	226.47	18.78	17.68	461.98	100	1.680	0.000	0.000	1.680	0.181	5.527
110	Roll Cultivator	15	5,100	266	20	100	241.71	275.00	22.80	21.46	560.98	100	2.040	0.000	0.000	2.040	0.121	8.291
111	Roll Cultivator	10	4,200	219	20	100	199.05	226.47	18.78	17.68	461.98	100	1.680	0.000	0.000	1.680	0.229	4.364
112	Roll Cultivator	16	5,100	266	20	100	241.71	275.00	22.80	21.46	560.98	100	2.040	0.000	0.000	2.040	0.113	8.844
113	Roll Cultivator	20	6,200	323	20	100	293.84	334.31	27.72	26.09	681.97	100	2.480	0.000	0.000	2.480	0.090	11.055
114	Rope Wick Appl,6	15	1,700	235	12	75	122.04	99.19	8.23	7.74	237.20	75	0.681	0.000	0.000	0.681	0.274	3.655
115	Round Bale Wagon(1)	9	1,800	88	20	100	85.62	96.74	8.02	7.55	197.93	100	0.720	0.000	0.000	0.720	0.456	2.193
116	Round Bale Wagon(3)	9	5,700	277	20	100	271.14	306.34	25.40	23.91	626.78	100	2.280	0.000	0.000	2.280	0.456	2.193
117	Round Baler,1/2T	9	14,100	686	20	100	670.70	757.78	62.84	59.14	1550.47	100	5.636	0.000	0.000	5.636	0.470	2.127
118	Round Baler,3/4T	9	18,200	885	20	100	865.73	978.13	81.11	76.34	2001.31	100	7.275	0.000	0.000	7.275	0.470	2.127
119	Section Harrow	12	1,100	57	20	100	52.13	59.31	4.92	4.63	120.99	100	0.440	0.000	0.000	0.440	0.184	5.433
120	Section Harrow	18	1,700	89	20	100	80.57	91.67	7.60	7.15	186.99	100	0.680	0.000	0.000	0.680	0.123	8.149
121	Sickle Mower,PTO	9	3,900	644	10	125	325.63	232.86	19.31	18.17	595.98	125	0.588	0.000	0.000	0.588	0.291	3.436
122	Silage Wagon	5	10,400	1745	12	150	721.29	622.41	51.61	48.58	1443.89	150	6.046	0.000	0.000	6.046	0.573	1.745
123	No-Till Planter,6R	15	20,600	3643	10	100	1695.71	1242.45	103.03	96.97	3138.16	100	10.519	0.000	0.000	10.519	0.182	5.482
124	No-Till Planter,6R	15	20,600	3643	10	100	1695.71	1242.45	103.03	96.97	3138.16	100	10.519	0.000	0.000	10.519	0.204	4.909
125	No-Till Planter,6R	15	20,600	3643	10	100	1695.71	1242.45	103.03	96.97	3138.16	100	10.519	0.000	0.000	10.519	0.204	4.909
126	Sprayer,TM,110GA	21	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.107	9.380
127	Sprayer,TM,110GA	16	1,300	125	15	75	78.35	73.02	6.06	5.70	163.12	75	0.557	0.000	0.000	0.557	0.140	7.147
128	Sprayer,TM,110GA	24	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.103	9.745
129	Sprayer,TM,110GA	24	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.103	9.745
130	Sprayer,TM,110GA	24	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.103	9.745
131	Sprayer,TM,110GA	24	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.103	9.745
132	Sprayer,TM,110GA	10	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.306	3.273
133	Sprayer,TM,110GA	24	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.103	9.745
134	Sprayer,TM,110GA	12	1,300	180	12	100	93.33	75.85	6.29	5.92	181.39	100	0.567	0.000	0.000	0.567	0.255	3.927
135	Sprayer,TM,220GA	25	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.090	11.167
136	Sprayer,TM,220GA	20	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.137	7.309
137	Sprayer,TM,220GA	15	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.182	5.482
138	Sprayer,TM,220GA	20	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.112	8.933
139	Sprayer,TM,220GA	10	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.306	3.273
140	Sprayer,TM,220GA	10	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.229	4.364
141	Sprayer,TM,220GA	30	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.075	13.400
142	Sprayer,TM,220GA	30	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.082	12.182
143	Sprayer,TM,220GA	15	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.204	4.909
144	Sprayer,TM,220GA	15	2,600	587	8	125	251.62	163.34	13.54	12.75	441.25	125	1.074	0.000	0.000	1.074	0.200	5.000
145	Sprayer,TM,220GA	10	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.308	3.248
146	Sprayer,TM,220GA	30	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.075	13.400
147	Sprayer,TM,220GA	30	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.075	13.400

Table 1. Summary of Annual Ownership Costs, Performance Rates, and Hourly Operation Costs by Machines, 1999 Field Crop Budgets

Code	Machine	Size	Purchase Price	Salvage Value	Years		Deprec.	Interest	Insurance	Taxes	Total	Hours of Annual Use	Repair Cost/Hr	Fuel Cost/Hr	Lube Cost/Hr	Total	Perf. Rate Hrs/acre	Perf. Rate Acres/hr.
					Of Life	Annually Hrs/Use					Annual Ownership Cost					Total Operating Cost/Hr		
148	Sprayer, TM, 220GA	30	2,600	360	12	75	186.66	151.71	12.58	11.84	362.78	75	1.041	0.000	0.000	1.041	0.068	14.618
149	Sprayer, TM, 220GA	10	2,600	360	12	100	186.66	151.71	12.58	11.84	362.78	100	1.135	0.000	0.000	1.135	0.224	4.467
150	Swather, SP	14	49,900	7103	12	150	3566.42	2921.40	242.26	228.01	6958.10	150	5.748	2.025	0.304	8.077	0.142	7.042
151	Sweep Cultivator	8	1,600	83	20	100	75.83	86.27	7.15	6.73	175.99	100	0.804	0.000	0.000	0.804	0.322	3.103
152	Sweep Cultivator	12	4,200	219	20	100	199.05	226.47	18.78	17.68	461.98	100	2.110	0.000	0.000	2.110	0.215	4.655
153	Sweep Cultivator	10	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	2.060	0.000	0.000	2.060	0.308	3.248
154	Sweep Cultivator	8	1,500	144	15	75	90.40	84.26	6.99	6.58	188.22	75	0.378	0.000	0.000	0.378	0.322	3.103
155	Sweep Cultivator	10	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	2.060	0.000	0.000	2.060	0.224	4.467
156	Tandem Disk	8	4,600	442	15	125	277.22	258.38	21.43	20.17	577.20	125	1.319	0.000	0.000	1.319	0.276	3.622
157	Tandem Disk	12	6,500	624	15	125	391.73	365.11	30.28	28.50	815.61	125	1.863	0.000	0.000	1.863	0.184	5.433
158	Tandem Disk	14	8,600	826	15	125	518.29	483.06	40.06	37.70	1079.12	125	2.465	0.000	0.000	2.465	0.158	6.338
159	Tandem Disk	18	16,000	2829	10	175	1317.05	965.01	80.03	75.32	2437.41	175	4.370	0.000	0.000	4.370	0.123	8.149
160	Tandem Disk	20	17,600	1690	15	125	1060.69	988.60	81.98	77.16	2208.42	125	5.045	0.000	0.000	5.045	0.110	9.055
161	Tandem Disk	8	4,600	442	15	100	277.22	258.38	21.43	20.17	577.20	100	1.128	0.000	0.000	1.128	0.276	3.622
162	Tandem Disk	16	12,600	1210	15	125	759.35	707.75	58.69	55.24	1581.03	125	3.612	0.000	0.000	3.612	0.138	7.244
163	Tandem Disk	12	6,500	624	15	125	391.73	365.11	30.28	28.50	815.61	125	1.863	0.000	0.000	1.863	0.255	3.927
164	Tandem Disk	20	17,600	1690	15	125	1060.69	988.60	81.98	77.16	2208.42	125	5.045	0.000	0.000	5.045	0.137	7.309
165	Tandem Disk	20	17,600	1690	15	125	1060.69	988.60	81.98	77.16	2208.42	125	5.045	0.000	0.000	5.045	0.153	6.545
166	Chisel Plow, 10FT	10	3,900	374	15	125	235.04	219.06	18.17	17.10	489.37	125	1.520	0.000	0.000	1.520	0.235	4.255
167	Tob Harvester, SP	8	74,000	12413	12	150	5132.24	4428.67	367.26	345.65	10273.82	150	21.487	3.240	0.486	25.213	0.430	2.327
168	Tob Topper, 4 Row	20	4,600	412	15	24	279.19	256.87	21.30	20.05	577.41	24	0.329	0.000	0.000	0.329	0.399	2.509
169	Tob Transplant	4	1,600	83	20	30	75.83	86.27	7.15	6.73	175.99	30	0.497	0.000	0.000	0.497	3.078	0.325
170	Tob Transplant	8	4,200	219	20	30	199.05	226.47	18.78	17.68	461.98	30	1.304	0.000	0.000	1.304	1.539	0.650
171	Tob Transplant	16	7,100	370	20	30	336.50	382.84	31.75	29.88	780.97	30	2.205	0.000	0.000	2.205	0.770	1.299
172	Tob Transplant	4	1,600	154	15	13	96.43	89.87	7.45	7.01	200.77	13	0.144	0.000	0.000	0.144	3.078	0.325
173	Tobacco Trailer	16	2,600	336	12	150	188.66	150.48	12.48	11.74	363.36	150	0.242	0.000	0.000	0.242	0.645	1.552
174	Tractor, 40HP	10	19,600	4321	20	500	763.93	1225.97	101.67	95.69	2187.25	500	1.960	1.440	0.216	3.616	0.108	9.273
175	Truck, 2T, Grain Bed	175	37,600	7538	8	500	3757.76	2313.32	191.84	180.55	6443.47	500	7.521	9.004	1.351	17.875	1.000	1.000
176	Truck, 2.5T, Grain Bed	175	49,100	9843	8	500	4907.08	3020.85	250.51	235.77	8414.21	500	9.821	9.004	1.351	20.175	1.000	1.000
177	Shovel Cult, 4-30	10	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	2.060	0.000	0.000	2.060	0.224	4.467
178	Granular Applic	10	2,100	102	20	50	99.89	112.86	9.36	8.81	230.92	50	1.716	0.000	0.000	1.716	0.246	4.061
179	Shovel Cult, 12-30	30	10,400	542	20	100	492.90	560.78	46.50	43.77	1143.95	100	5.225	0.000	0.000	5.225	0.082	12.182
180	Combine, SP, 8-row	20	172,400	50358	7	275	17434.51	11416.37	946.72	891.03	30688.64	275	28.884	6.840	1.026	36.750	0.205	4.873
181	Roller-Packer	20	2,800	495	10	100	230.48	168.88	14.00	13.18	426.55	100	1.525	0.000	0.000	1.525	0.110	9.055
182	No-Till Planter, 12R	30	41,200	7286	10	100	3391.41	2484.90	206.06	193.94	6276.32	100	21.039	0.000	0.000	21.039	0.082	12.182