

Table 1. Summary of Annual Ownership Costs, Performance Rates, and Hourly Operation Costs by Machines, 1998 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
					Of Life	Hrs/Use Annually					Annual Ownership Cost					Total Operating Cost/Hr		
1	Tractor, 16hp,(1)	16	10,700	2359	20	500	417.04	669.28	55.50	52.24	1194.06	500	1.070	0.653	0.098	1.821	1.000	1.000
2	Tractor, 25hp,(2)	25	14,600	3219	20	500	569.05	913.22	75.73	71.28	1629.28	500	1.460	1.020	0.153	2.633	1.000	1.000
3	Tractor, 35hp,(3)	35	16,500	3638	20	500	643.10	1032.07	85.59	80.55	1841.31	500	1.650	1.428	0.214	3.292	1.000	1.000
4	Tractor, 40hp,(4)	40	19,300	4255	20	500	752.24	1207.21	100.11	94.22	2153.78	500	1.930	1.632	0.245	3.807	1.000	1.000
5	Tractor, 45hp,(5)	45	22,800	5027	20	500	888.65	1426.13	118.26	111.31	2544.36	500	2.280	1.836	0.275	4.391	1.000	1.000
6	Tractor, 55hp,(6)	55	27,500	6063	20	500	1071.84	1720.12	142.64	134.25	3068.85	500	2.750	2.244	0.337	5.331	1.000	1.000
7	Tractor, 70hp,(7)	70	31,500	6945	20	500	1227.74	1970.31	163.39	153.78	3515.23	500	3.150	2.856	0.428	6.434	1.000	1.000
8	Tractor, 80hp,(8)	80	36,500	8048	20	500	1422.62	2283.06	189.33	178.19	4073.20	500	3.650	3.264	0.490	7.404	1.000	1.000
9	Tractor, 90hp,(9)	90	42,900	9459	20	500	1672.07	2683.38	222.52	209.43	4787.41	500	4.290	3.672	0.551	8.513	1.000	1.000
10	Tractor, 100hp,(10)	100	48,800	10759	20	500	1902.03	3052.42	253.13	238.24	5445.81	500	4.880	4.080	0.612	9.572	1.000	1.000
11	Tractor, 110hp,(11)	110	55,700	12281	20	500	2170.96	3484.01	288.92	271.92	6215.82	500	5.570	4.488	0.673	10.731	1.000	1.000
12	Tractor, 130hp,(12)	130	61,700	13604	20	500	2404.82	3859.31	320.04	301.21	6885.38	500	6.170	5.304	0.796	12.270	1.000	1.000
13	Tractor, 155hp,(13)	155	73,100	16117	20	500	2849.14	4572.38	379.17	356.87	8157.56	500	7.310	6.324	0.949	14.583	1.000	1.000
14	Tractor,180hp,4WD(14)	180	93,500	20615	20	500	3644.25	5848.39	484.99	456.46	10434.09	500	9.350	7.344	1.102	17.796	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	12,400	1190	15	125	747.30	696.51	57.76	54.36	1555.93	125	4.834	0.000	0.000	4.834	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	7,500	720	15	125	452.00	421.28	34.94	32.88	941.09	125	5.338	0.000	0.000	5.338	0.432	2.313
25	Bush Hog	15	7,800	699	15	125	473.40	435.57	36.12	34.00	979.09	125	5.590	0.000	0.000	5.590	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	3,400	305	15	125	206.36	189.86	15.74	14.82	426.78	125	2.437	0.000	0.000	2.437	0.421	2.376
33	Chisel Plow,11FT	11	3,800	365	15	125	229.01	213.45	17.70	16.66	476.82	125	1.481	0.000	0.000	1.481	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	101,800	21318	10	200	8048.17	6309.81	523.25	492.47	15373.71	200	17.788	5.508	0.826	24.122	0.410	2.436
36	Combine,SP,4row	10	101,800	21318	10	200	8048.17	6309.81	523.25	492.47	15373.71	200	17.788	5.508	0.826	24.122	0.410	2.436
37	Combine,SP,SG	13	96,400	18042	10	200	7835.81	5865.15	486.38	457.77	14645.10	200	16.844	3.794	0.569	21.208	0.316	3.167
38	Combine,SP,SG	18	128,500	26910	10	200	10159.04	7964.74	660.49	621.64	19405.91	200	22.453	5.426	0.814	28.694	0.228	4.385
39	Combine,SP,SG	20	128,500	26910	10	200	10159.04	7964.74	660.49	621.64	19405.91	200	22.453	5.426	0.814	28.694	0.205	4.873
40	Corn Head Attch 4-R	10	16,100	2379	12	100	1143.45	947.03	78.53	73.91	2242.93	100	1.871	0.000	0.000	1.871	0.410	2.436
41	Corn Head Attch 6-R	15	21,400	3162	12	100	1519.86	1258.78	104.39	98.25	2981.28	100	2.487	0.000	0.000	2.487	0.274	3.655
42	Corn Planter,4R	10	15,000	2653	10	100	1234.74	904.70	75.02	70.61	2285.07	100	8.170	0.000	0.000	8.170	0.274	3.655
43	Corn Planter,4R	10	15,000	2653	10	100	1234.74	904.70	75.02	70.61	2285.07	100	8.170	0.000	0.000	8.170	0.306	3.273
44	Corn Planter,4R	10	15,000	2653	10	100	1234.74	904.70	75.02	70.61	2285.07	100	8.170	0.000	0.000	8.170	0.274	3.655
45	Corn Planter,6R	15	18,100	3201	10	100	1489.92	1091.67	90.53	85.20	2757.32	100	9.859	0.000	0.000	9.859	0.182	5.482
46	Corn Planter,6R	15	18,100	3201	10	100	1489.92	1091.67	90.53	85.20	2757.32	100	9.859	0.000	0.000	9.859	0.275	3.636
47	Corn Planter,8R	20	26,400	4669	10	100	2173.14	1592.27	132.04	124.27	4021.72	100	14.380	0.000	0.000	14.380	0.137	7.309
48	Corn Planter,8R	20	26,400	4669	10	100	2173.14	1592.27	132.04	124.27	4021.72	100	14.380	0.000	0.000	14.380	0.137	7.309
49	Cotton Picker	13.3	203,100	38311	10	300	16478.91	12372.31	1026.00	965.64	30842.86	300	53.904	4.080	0.612	58.596	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	12,600	2228	10	100	1037.18	759.95	63.02	59.31	1919.46	100	6.863	0.000	0.000	6.863	0.206	4.861
51	Cotton Pfltr,4R	10	11,900	2104	10	100	979.56	717.73	59.52	56.02	1812.82	100	6.482	0.000	0.000	6.482	0.306	3.273
52	Culti-Packer	20	10,700	1892	10	100	880.78	645.35	53.52	50.37	1630.02	100	5.828	0.000	0.000	5.828	0.110	9.055
53	Cult,Pack Seeder	7	8,600	826	15	50	518.29	483.06	40.06	37.70	1079.12	50	3.414	0.000	0.000	3.414	0.364	2.749
54	Cult/Fert, 4 Row	16	6,100	318	20	100	289.10	328.92	27.28	25.67	670.97	100	2.440	0.000	0.000	2.440	0.143	6.982
55	Disk Bedder,4 Row	12	4,900	470	15	125	295.30	275.23	22.82	21.48	614.85	125	1.910	0.000	0.000	1.910	0.201	4.975
56	Disk-Bedder,6R,A	15	7,400	710	15	125	445.97	415.66	34.47	32.44	928.54	125	2.121	0.000	0.000	2.121	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	10,300	1821	10	100	847.85	621.23	51.52	48.49	1569.08	100	5.610	0.000	0.000	5.610	0.191	5.223
60	Drill, w/o Fert.	13.3	8,900	2009	8	150	861.31	559.11	46.37	43.64	1510.43	150	5.924	0.000	0.000	5.924	0.191	5.223
61	Drill, w/o Fert.	13.3	8,900	1574	10	50	732.61	536.79	44.51	41.90	1355.81	50	2.262	0.000	0.000	2.262	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	4,400	229	20	100	208.53	237.25	19.67	18.52	483.98	100	1.760	0.000	0.000	1.760	0.129	7.738
64	Field Cult,20FT	20	5,600	292	20	100	265.41	301.96	25.04	23.57	615.97	100	2.240	0.000	0.000	2.240	0.092	10.909
65	Field Cultivator	12	4,000	208	20	100	189.58	215.68	17.89	16.83	439.98	100	1.600	0.000	0.000	1.600	0.124	8.036
66	Field Cultivator	16	4,800	250	20	100	227.49	258.82	21.46	20.20	527.98	100	1.920	0.000	0.000	1.920	0.093	10.715
67	Field Cultivator	12	4,000	208	20	100	189.58	215.68	17.89	16.83	439.98	100	1.600	0.000	0.000	1.600	0.124	8.036
68	Fluffer	13	3,700	180	20	100	176.00	198.85	16.49	15.52	406.86	100	0.740	0.000	0.000	0.740	0.181	5.515
69	Forage Hvstr	9	20,300	2624	12	150	1472.98	1174.87	97.43	91.70	2836.97	150	7.623	0.000	0.000	7.623	0.477	2.095
70	Grain Wagon	5	10,100	1865	12	150	686.23	613.22	50.85	47.86	1398.16	150	3.914	0.000	0.000	3.914	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	5,100	248	20	50	242.60	274.09	22.73	21.39	560.81	50	1.346	0.000	0.000	1.346	0.477	2.095
74	H-C (Highboy) Sprayer	47	53,500	7904	12	150	3799.66	3146.96	260.97	245.62	7453.20	150	20.551	2.448	0.367	23.366	0.073	13.673
75	Hay Baler,SQ,Twine	9	14,500	705	20	100	689.73	779.28	64.62	60.82	1594.45	100	5.796	0.000	0.000	5.796	0.456	2.193
76	Hay Baler,SQ,Twine	16	14,500	705	20	100	689.73	779.28	64.62	60.82	1594.45	100	5.796	0.000	0.000	5.796	0.257	3.898
77	Hay Baler,SQ,Twine	16	14,500	705	20	100	689.73	779.28	64.62	60.82	1594.45	100	5.796	0.000	0.000	5.796	0.257	3.898
78	Hay Baler,SQ,Twine	15	14,500	705	20	100	689.73	779.28	64.62	60.82	1594.45	100	5.796	0.000	0.000	5.796	0.274	3.655
79	Hay Baler,SQ,Twine	15	14,500	705	20	100	689.73	779.28	64.62	60.82	1594.45	100	5.796	0.000	0.000	5.796	0.274	3.655
80	Hay Wagon w/Side	9	3,600	175	20	100	171.24	193.48	16.04	15.10	395.86	100	1.008	0.000	0.000	1.008	0.456	2.193
81	Hay Wagon w/Side	32	3,600	175	20	100	171.24	193.48	16.04	15.10	395.86	100	0.756	0.000	0.000	0.756	0.257	3.898
82	Hay Wagon w/Side	30	3,600	175	20	100	171.24	193.48	16.04	15.10	395.86	100	1.008	0.000	0.000	1.008	0.286	3.491
83	Hay Wagon w/Side	30	3,600	175	20	100	171.24	193.48	16.04	15.10	395.86	100	1.008	0.000	0.000	1.008	0.286	3.491
84	Hay Wagon w/Side	32	3,600	175	20	100	171.24	193.48	16.04	15.10	395.86	100	1.008	0.000	0.000	1.008	0.286	3.491
85	Hay Wagon,SP	9	68,200	10076	12	150	4843.68	4011.64	332.67	313.10	9501.09	150	23.998	4.080	0.612	28.690	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	12,600	613	20	100	599.35	677.16	56.16	52.85	1385.52	100	5.040	0.000	0.000	5.040	0.272	3.682
90	No-Till Drill, 18ft	18	29,500	8504	6	200	3499.30	1947.71	161.52	152.02	5760.55	200	19.637	0.000	0.000	19.637	0.141	7.069
91	No-Till Drill, 15ft	15	26,400	1376	20	60	1251.20	1423.52	118.05	111.10	2903.87	60	17.573	0.000	0.000	17.573	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	12,100	1676	12	125	868.67	706.02	58.55	55.10	1688.34	125	5.647	0.000	0.000	5.647	0.205	4.873
94	Orch Spyr,PTO,500GA	20	15,700	2175	12	125	1127.12	916.07	75.97	71.50	2190.66	125	7.327	0.000	0.000	7.327	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	42,600	2181	20	100	2020.96	2295.01	190.32	179.12	4685.42	100	7.444	0.000	0.000	7.444	0.513	1.949
98	Peanut D/S/W/I	12	14,900	2635	10	100	1226.51	898.67	74.52	70.14	2269.84	100	4.913	0.000	0.000	4.913	0.302	3.316

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99	Peanut Plier,4R	12	14,500	2564	10	100	1193.58	874.54	72.52	68.26	2208.90	100	11.582	0.000	0.000	11.582	0.228	4.385
100	Pickup, 1/2 Ton	130	15,800	3984	8	500	1477.05	1013.91	84.08	79.13	2654.17	500	3.160	5.616	0.842	9.619	1.000	1.000
101	Planter,4 Row,Shapers	10	15,000	2653	10	100	1234.74	904.70	75.02	70.61	2285.07	100	8.170	0.000	0.000	8.170	0.306	3.273
102	Pnut Digger, 4Row	12	14,900	777	20	46	706.17	803.43	66.63	62.71	1638.93	46	4.596	0.000	0.000	4.596	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	4,200	204	20	100	199.78	225.72	18.72	17.62	461.84	100	2.100	0.000	0.000	2.100	0.306	3.273
106	Ripper-Bedder,4R	10	7,200	691	15	125	433.92	404.43	33.54	31.56	903.45	125	2.807	0.000	0.000	2.807	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	6,100	318	20	100	289.10	328.92	27.28	25.67	670.97	100	2.440	0.000	0.000	2.440	0.090	11.055
109	Roll Cultivator	10	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	1.640	0.000	0.000	1.640	0.181	5.527
110	Roll Cultivator	15	5,000	261	20	100	236.97	269.61	22.36	21.04	549.98	100	2.000	0.000	0.000	2.000	0.121	8.291
111	Roll Cultivator	10	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	1.640	0.000	0.000	1.640	0.229	4.364
112	Roll Cultivator	16	5,000	261	20	100	236.97	269.61	22.36	21.04	549.98	100	2.000	0.000	0.000	2.000	0.113	8.844
113	Roll Cultivator	20	6,100	318	20	100	289.10	328.92	27.28	25.67	670.97	100	2.440	0.000	0.000	2.440	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	5,600	272	20	100	266.38	300.96	24.96	23.49	615.79	100	2.240	0.000	0.000	2.240	0.456	2.193
117	Round Baler,1/2T	9	13,900	676	20	100	661.19	747.03	61.95	58.30	1528.47	100	5.556	0.000	0.000	5.556	0.470	2.127
118	Round Baler,3/4T	9	17,900	871	20	100	851.46	962.00	79.78	75.08	1968.32	100	7.155	0.000	0.000	7.155	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	3,800	627	10	125	317.28	226.89	18.82	17.71	580.70	125	0.573	0.000	0.000	0.573	0.291	3.436
122	Silage Wagon	5	10,200	1711	12	150	707.42	610.44	50.62	47.64	1416.12	150	5.930	0.000	0.000	5.930	0.573	1.745
123	No-Till Planter,6R	15	20,300	3590	10	100	1671.01	1224.36	101.53	95.56	3092.46	100	10.366	0.000	0.000	10.366	0.182	5.482
124	No-Till Planter,6R	15	20,300	3590	10	100	1671.01	1224.36	101.53	95.56	3092.46	100	10.366	0.000	0.000	10.366	0.204	4.909
125	No-Till Planter,6R	15	20,300	3590	10	100	1671.01	1224.36	101.53	95.56	3092.46	100	10.366	0.000	0.000	10.366	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, 1998 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.
					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	49,100	6989	12	150	3509.25	2874.56	238.38	224.36	6846.54	150	5.656	2.295	0.344	8.296	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	4,100	214	20	100	194.32	221.08	18.33	17.25	450.98	100	2.060	0.000	0.000	2.060	0.215	4.655
153	Sweep Cultivator	10	4,000	208	20	100	189.58	215.68	17.89	16.83	439.98	100	2.010	0.000	0.000	2.010	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	4,000	208	20	100	189.58	215.68	17.89	16.83	439.98	100	2.010	0.000	0.000	2.010	0.224	4.467
156	Tandem Disk	8	4,500	432	15	125	271.20	252.77	20.96	19.73	564.65	125	1.290	0.000	0.000	1.290	0.276	3.622
157	Tandem Disk	12	6,400	614	15	125	385.70	359.49	29.81	28.06	803.06	125	1.835	0.000	0.000	1.835	0.184	5.433
158	Tandem Disk	14	8,500	816	15	125	512.26	477.45	39.59	37.26	1066.57	125	2.437	0.000	0.000	2.437	0.158	6.338
159	Tandem Disk	18	15,800	2794	10	175	1300.59	952.95	79.02	74.38	2406.94	175	4.316	0.000	0.000	4.316	0.123	8.149
160	Tandem Disk	20	17,300	1661	15	125	1042.61	971.75	80.58	75.84	2170.78	125	4.959	0.000	0.000	4.959	0.110	9.055
161	Tandem Disk	8	4,500	432	15	100	271.20	252.77	20.96	19.73	564.65	100	1.103	0.000	0.000	1.103	0.276	3.622
162	Tandem Disk	16	12,400	1190	15	125	747.30	696.51	57.76	54.36	1555.93	125	3.555	0.000	0.000	3.555	0.138	7.244
163	Tandem Disk	12	6,400	614	15	125	385.70	359.49	29.81	28.06	803.06	125	1.835	0.000	0.000	1.835	0.255	3.927
164	Tandem Disk	20	17,300	1661	15	125	1042.61	971.75	80.58	75.84	2170.78	125	4.959	0.000	0.000	4.959	0.137	7.309
165	Tandem Disk	20	17,300	1661	15	125	1042.61	971.75	80.58	75.84	2170.78	125	4.959	0.000	0.000	4.959	0.153	6.545
166	Chisel Plow, 10FT	10	3,800	365	15	125	229.01	213.45	17.70	16.66	476.82	125	1.481	0.000	0.000	1.481	0.235	4.255
167	Tob Harvester, SP	8	72,800	12212	12	150	5049.01	4356.86	361.30	340.05	10107.22	150	21.138	3.672	0.551	25.361	0.430	2.327
168	Tob Topper, 4 Row	20	4,500	403	15	24	273.12	251.29	20.84	19.61	564.86	24	0.322	0.000	0.000	0.322	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	4,100	214	20	30	194.32	221.08	18.33	17.25	450.98	30	1.273	0.000	0.000	1.273	1.539	0.650
171	Tob Transplant	16	7,000	365	20	30	331.76	377.45	31.30	29.46	769.97	30	2.174	0.000	0.000	2.174	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	19,300	4255	20	500	752.24	1207.21	100.11	94.22	2153.78	500	1.930	1.632	0.245	3.807	0.108	9.273
175	Truck, 2T, Grain Bed	175	37,000	7418	8	500	3697.80	2276.40	188.77	177.67	6340.65	500	7.400	10.290	1.544	19.234	1.000	1.000
176	Truck, 2.5T, Grain Bed	175	48,300	9683	8	500	4827.13	2971.63	246.43	231.93	8277.11	500	9.661	10.290	1.544	21.494	1.000	1.000
177	Shovel Cult, 4-30	10	4,000	208	20	100	189.58	215.68	17.89	16.83	439.98	100	2.010	0.000	0.000	2.010	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	10,200	532	20	100	483.42	550.00	45.61	42.93	1121.95	100	5.124	0.000	0.000	5.124	0.082	12.182
180	Combine, SP, 8-row	20	169,700	49570	7	275	17161.46	11237.58	931.90	877.08	30208.01	275	28.432	7.752	1.163	37.346	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	40,600	7180	10	100	3342.02	2448.71	203.06	191.12	6184.92	100	20.732	0.000	0.000	20.732	0.082	12.182