Slender Spindle: Base

Trees = 600

Price per Bushel = $12.00

Packout Rate = 80%

Discount Factor = 6%

Harvest Cost = $1.10

Packing Charge = $4.50/bu

Land Value = $2000

Slender Spindle: Base

Year	Yield per Tree (Bu)	Yield per Acre (Bu)	Gross Income (80% Pack)	Annual Labor	Growing Mach	Cost Matls	Total Growing Costs	Total Fixed Costs	Harvest & Packing Costs	Net Cash Flow	Discount Factor	Present Value of Net Cash Flow	Accum Present Value of Net Cash Flow	Accum Cash Flow	Year	Net Income ($/Bu)
Land	0	0	0	0	0	0	2000	0	0	-2000	1.0000	-2000	-2000	-2000	Land	0
Estab	0	0	0	650	47	7668	8365	178	0	-8543	1.0000	-8543	-10543	-10543	Prep	0
1	0	0	0	432	146	198	776	258	0	-1034	0.9434	-975	-11518	-11577	1	0
2	0	0	0	527	97	502	1126	254	0	-1380	0.8900	-1228	-12747	-12957	2	0
3	0.3	180	1782	680	131	352	1163	319	806	-506	0.8396	-425	-13172	-13463	3	-2.81
4	0.583	350	3465	674	168	494	1336	334	1568	227	0.7921	180	-12992	-13236	4	0.65
5	1.000	600	5940	752	181	278	1211	343	2688	1698	0.7473	1269	-11723	-11538	5	2.83
6	1.333	800	7920	358	192	278	828	343	3584	3165	0.7050	2231	-9492	-8373	6	3.96
7	1.667	1000	9900	358	192	278	828	343	4480	4249	0.6651	2826	-6666	-4124	7	4.25
8	1.667	1000	9900	358	192	278	828	343	4480	4249	0.6274	2666	-4000	125	8	4.25
9	1.667	1000	9900	358	192	278	828	343	4480	4249	0.5919	2515	-1485	4374	9	4.25
10	1.667	1000	9900	358	196	278	832	343	4480	4245	0.5584	2370	885	8619	10	4.25
11	1.667	1000	9900	358	196	278	832	343	4480	4245	0.5268	2236	3122	12864	11	4.25
12	1.667	1000	9900	358	196	278	832	343	4480	4245	0.4970	2110	5231	17109	12	4.25
13	1.667	1000	9900	358	196	278	832	343	4480	4245	0.4688	1990	7222	21354	13	4.25
14	1.667	1000	9900	358	196	278	832	343	4480	4245	0.4423	1878	9099	25599	14	4.25
15	1.667	1000	9900	361	207	278	846	350	4480	4224	0.4173	1763	10862	29823	15	4.22
16	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3936	1663	12524	34047	16	4.22
17	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3714	1569	14093	38271	17	4.22
18	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3503	1480	15573	42495	18	4.22
19	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3305	1396	16969	46719	19	4.22
20	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3118	1317	18286	50943	20	4.22
										2000	0.3118	624	18909			
		Total	Costs	8021	3567	5796	17384		71366		NPV(6%)	18909				
		Estab	Costs	8365												

Slender Spindle: High price

Trees = 600

Price per Bushel = $15.00

Packout Rate = 80%

Discount Factor = 6%

Harvest Cost = $1.10

Packing Charge = $4.50/bu

Land Value = $2000

Slender Spindle: High price

Year	Yield per Tree (Bu)	Yield per Acre (Bu)	Gross Income (80% Pack)	Annual Labor	Growing Mach	Cost Matls	Total Growing Costs	Total Fixed Costs	Harvest & Packing Costs	Net Cash Flow	Discount Factor	Present Value of Net Cash Flow	Accum Present Value of Net Cash Flow	Accum Cash Flow	Year	Net Income ($/Bu)
Land	0	0	0	0	0	0	2000	0	0	-2000	1.0000	-2000	-2000	-2000	Land	0
Estab	0	0	0	650	47	7668	8365	178	0	-8543	1.0000	-8543	-10543	-10543	Prep	0
1	0	0	0	432	146	198	776	258	0	-1034	0.9434	-975	-11518	-11577	1	0
2	0	0	0	527	97	502	1126	254	0	-1380	0.8900	-1228	-12747	-12957	2	0
3	0.300	180	2214	680	131	352	1163	319	806	-74	0.8396	-62	-12809	-13031	3	-0.41
4	0.583	350	4305	674	168	494	1336	334	1568	1067	0.7921	845	-11964	-11964	4	3.05
5	1.000	600	7380	752	181	278	1211	343	2688	3138	0.7473	2345	-9619	-8826	5	5.23
6	1.333	800	9840	358	192	278	828	343	3584	5085	0.7050	3585	-6034	-3741	6	6.36
7	1.667	1000	12300	358	192	278	828	343	4480	6649	0.6651	4422	-1612	2908	7	6.65
8	1.667	1000	12300	358	192	278	828	343	4480	6649	0.6274	4172	2560	9557	8	6.65
9	1.667	1000	12300	358	192	278	828	343	4480	6649	0.5919	3936	6495	16206	9	6.65
10	1.667	1000	12300	358	196	278	832	343	4480	6645	0.5584	3711	10206	22851	10	6.65
11	1.667	1000	12300	358	196	278	832	343	4480	6645	0.5268	3501	13707	29496	11	6.65
12	1.667	1000	12300	358	196	278	832	343	4480	6645	0.4970	3303	17009	36141	12	6.65
13	1.667	1000	12300	358	196	278	832	343	4480	6645	0.4688	3115	20124	42786	13	6.65
14	1.667	1000	12300	358	196	278	832	343	4480	6645	0.4423	2939	23063	49431	14	6.65
15	1.667	1000	12300	361	207	278	846	350	4480	6624	0.4173	2764	25828	56055	15	6.62
16	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3936	2607	28435	62679	16	6.62
17	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3714	2460	30895	69303	17	6.62
18	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3503	2320	33215	75927	18	6.62
19	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3305	2189	35405	82551	19	6.62
20	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3118	2065	37470	89175	20	6.62
										2000	0.3118	624	38093			
		Total	Costs	8021	3567	5796	17384		71366		NVP(6%)	38093				
		Estab	Costs	8365												

Slender Spindle: No Yield every 10 years

Trees = 600

Price per Bushel = $12.00

Packout Rate = 80%

Discount Factor = 6%

Harvest Cost = $1.10

Packing Charge = $4.00/bu

Land Value = $2000

Growing Costs reduced by 90%

Slender Spindle: No Yield every 10 years

Year	Yield per Tree (Bu)	Yield per Acre (Bu)	Gross Income (80% Pack)	Annual Labor	Growing Mach	Cost Matls	Total Growing Costs	Total Fixed Costs	Harvest & Packing Costs	Net Cash Flow	Discount Factor	Present Value of Net Cash Flow	Accum Present Value of Net Cash Flow	Accum Cash Flow	Year	Net Income ($/Bu)
Land	0	0	0	0	0	0	2000	0	0	-2000	1.0000	-2000	-2000	-2000	Land	0
Estab	0	0	0	650	47	7668	8365	178	0	-8543	1.0000	-8543	-10543	-10543	Prep	0
1	0	0	0	432	146	198	776	258	0	-1034	0.9434	-975	-11518	-11577	1	0
2	0	0	0	527	97	502	1126	254	0	-1380	0.8900	-1228	-12747	-12957	2	0
3	0.300	180	1782	680	131	352	1163	319	806	-506	0.8396	-425	-13172	-13463	3	-2.81
4	0.583	350	3465	674	168	494	1336	334	1568	227	0.7921	180	-12992	-13236	4	0.65
5	1.000	600	5940	752	181	278	1211	343	2688	1698	0.7473	1269	-11723	-11538	5	2.83
6	1.333	800	7920	358	192	278	828	343	3584	3165	0.7050	2231	-9492	-8373	6	3.96
7	1.667	1000	9900	358	192	278	828	343	4480	4249	0.6651	2826	-6666	-4124	7	4.25
8	0.000	0	0	36	20	28	84	343	0	-427	0.6274	-268	-6934	-4551	8	#DIV/0!
9	1.667	1000	9900	358	192	278	828	343	4480	4249	0.5919	2515	-4419	-302	9	4.25
10	1.667	1000	9900	358	192	278	828	343	4480	4249	0.5584	2373	-2046	3947	10	4.25
11	1.667	1000	9900	358	196	278	832	343	4480	4245	0.5268	2236	190	8192	11	4.25
12	1.667	1000	9900	358	196	278	832	343	4480	4245	0.4970	2110	2300	12437	12	4.25
13	1.667	1000	9900	358	196	278	832	343	4480	4245	0.4688	1990	4290	16682	13	4.25
14	1.667	1000	9900	358	196	278	832	343	4480	4245	0.4423	1878	6168	20927	14	4.25
15	1.667	1000	9900	361	207	278	846	350	4480	4224	0.4173	1763	7930	25151	15	4.22
16	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3936	1663	9593	29375	16	4.22
17	0.000	0	0	36	21	28	85	350	0	-435	0.3714	-162	9431	28940	17	#DIV/0!
18	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3503	1480	10911	33164	18	4.22
19	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3305	1396	12307	37388	19	4.22
20	1.667	1000	9900	361	207	278	846	350	4480	4224	0.3118	1317	13624	41612	20	4.22
										2000	0.3118	624	14248			
		Total	Costs	7374	3205	5296	15875		62406		NVP(6%)	14248				
		Estab	Costs	8365												

Slender Spindle: High price with no yield every 10 years

Trees = 600

Price per Bushel = $15.00

Packout Rate = 80%

Discount Factor = 6%

Harvest Cost = $1.10

Packing Charge = $4.50/bu

Land Value = $2000

Growing Costs reduced by 90%

Slender Spindle: High price with no yield every 10 years

Year	Yield per Tree (Bu)	Yield per Acre (Bu)	Gross Income (80% Pack)	Annual Labor	Growing Mach	Cost Matls	Total Growing Costs	Total Fixed Costs	Harvest & Packing Costs	Net Cash Flow	Discount Factor	Present Value of Net Cash Flow	Accum Present Value of Net Cash Flow	Accum Cash Flow	Year	Net Income ($/Bu)
Land	0	0	0	0	0	0	2000	0	0	-2000	1.0000	-2000	-2000	-2000	Land	0
Estab	0	0	0	650	47	7668	8365	178	0	-8543	1.0000	-8543	-10543	-10543	Prep	0
1	0	0	0	432	146	198	776	258	0	-1034	0.9434	-975	-11518	-11577	1	0
2	0	0	0	527	97	502	1126	254	0	-1380	0.8900	-1228	-12747	-12957	2	0
3	0.300	180	2214	680	131	352	1163	319	806	-74	0.8396	-62	-12809	-13031	3	-0.41
4	0.583	350	4305	674	168	494	1336	334	1568	1067	0.7921	845	-11964	-11964	4	3.05
5	1.000	600	7380	752	181	278	1211	343	2688	3138	0.7473	2345	-9619	-8826	5	5.23
6	1.333	800	9840	358	192	278	828	343	3584	5085	0.7050	3585	-6034	-3741	6	6.36
7	1.667	1000	12300	358	192	278	828	343	4480	6649	0.6651	4422	-1612	2908	7	6.65
8	0.000	0	0	36	20	28	84	343	0	-427	0.6274	-268	-1880	2481	8	#DIV/0!
9	1.667	1000	12300	358	192	278	828	343	4480	6649	0.5919	3936	2056	9130	9	6.65
10	1.667	1000	12300	358	192	278	828	343	4480	6649	0.5584	3713	5769	15779	10	6.65
11	1.667	1000	12300	358	196	278	832	343	4480	6645	0.5268	3501	9269	22424	11	6.65
12	1.667	1000	12300	358	196	278	832	343	4480	6645	0.4970	3303	12572	29069	12	6.65
13	1.667	1000	12300	358	196	278	832	343	4480	6645	0.4688	3115	15687	35714	13	6.65
14	1.667	1000	12300	358	196	278	832	343	4480	6645	0.4423	2939	18626	42359	14	6.65
15	1.667	1000	12300	361	207	278	846	350	4480	6624	0.4173	2764	21390	48983	15	6.62
16	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3936	2607	23997	55607	16	6.62
17	0.000	0	0	36	21	28	85	350	0	-435	0.3714	-162	23836	55172	17	#DIV/0!
18	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3503	2320	26156	61796	18	6.62
19	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3305	2189	28346	68420	19	6.62
20	1.667	1000	12300	361	207	278	846	350	4480	6624	0.3118	2065	30411	75044	20	6.62
										2000	0.3118	624	31035			
		Total	Costs	7374	3205	5296	15875		62406		NVP(6%)	31035				
		Estab	Costs	8365												