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100
558
209
109
5.319
159
0.50
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\$ (382
\$ (200
70
N/
\$

3-Pass Plow - Planting - Return Analysis

7.9%

572

7.9%

Rotation Length: 25 100 Acres: Rate of Return: 7.9%

\$ 572 Net Present Value:

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Teddy Reynolds, BSF, RF, SR

_							_		Harvest Volumes per Acre											
						Diamet	er & Height (Growth	Per Tree Per Acre					Numbers below do not include appreciation						
					Thinned	Dbh.	Merch.	Logs	CF To	Tono	Tons CF	Tons	Ton Rate	Harvest		Investment		ROR	NPV	NAV
	Year	Age	Treatment	Trees	Trees	(inches)	Ht. (feet)	(16 feet)		ions				Per Acre	Total	Per Acre	Total	Per Acre	Per Acre	Per Acre
25	2004	(Land Investment													\$ (400)	\$ (40,000)	\$ (400)	\$ (400)	\$ (1,458)
25	2004	0	Shear													\$ (105)	\$ (10,500)	\$ (105)	\$ (105)	\$ (383)
25	2004	0	Rake													\$ (85)	\$ (8,500)	\$ (85)	\$ (85)	\$ (310)
25	2004	0	Plow													\$ (90)	\$ (9,000)	\$ (90)	\$ (90)	\$ (328)
25	2004	(Seedlings	558												\$ (28)	\$ (2,790)	\$ (28)	\$ (28)	\$ (102)
25	2004	(Plant	558												\$ (39)	\$ (3,906)	\$ (39)	\$ (39)	\$ (142)
25	2004	(Grass Spray	558												\$ (35)	\$ (3,500)	\$ (35)	\$ (35)	\$ (128)
24	2005	1	Seedling Survival	446	112											, ,		, ,		
14	2015	11	Thinning #1	177	242	8.5	33	2.06	4.5	0.15	1,091	37	\$ 6	\$ 188	\$ 18,752			\$ 82	\$ 106	\$ 387
13	2016	12	Fertilization	177		8.9		2.13								\$ (100)	\$ (10,000)	\$ (40)	\$ (54)	\$ (196)
12	2017	13		177		9.3														
11	2018	14		177		9.7		2.25												
10	2019	15		177		10.1	37	2.31												
9	2020	16		177		10.5														
8	2021	17	Thinning #2	177 93	76	10.8 11.7		2.44 2.50	17.0	0.57	1.285	43	\$ 20	\$ 736	\$ 73.629			\$ 188	\$ 290	\$ 1,058
6	2022		Fertilization	93		12.1			17.0	0.57	1,200	43	\$ 20	\$ 730	φ 13,629	\$ (100)	\$ (10,000)	\$ (24)	•	\$ (136)
5	2023	20		93		12.1		2.63								\$ (100)	\$ (10,000)	Φ (24)	φ (3 <i>i</i>)	φ (130)
4	2025	21		93		12.9		2.69												
3	2026	22		93		13.3		2.75												
2	2027	23	i	93		13.7	45	2.81												
1	2028	24		93		14.1	46	2.88												
0	2029	25	Final Harvest Seed Trees	93	84	14.5	47	2.94	34.0	1.15	2,846	96	\$ 42	\$ 3,424	\$ 342,375			\$ 516	\$ 939	\$ 3,424
0	2029	25	Land Sale											\$ 400	\$ 40,000			\$ 60	\$ 110	\$ 400
	Note:			Total (without appreciation										\$ 4,748	\$ 474,757	\$ (982)	\$ (98,196)	\$ (0)	\$ 572	\$ 83

^{*} Add 5% to include appreciation.

Rate of Return - ROR (without appreciation*)

Net Present Value - NPV (without appreciation*)

1) Cost of land was included in the analysis and sold at the end without appreciation (\$400/acre).

^{3) 15%} management expense was removed for administrative costs.

²⁾ Analysis was after costs, without tax treatment, and with no appreciation or inflation added. 4) Alternative investment rate was based on August 25, 2003 30-Year Treasury Bill rate of 5.31%.

⁵⁾ ROR = Rate of Return

⁶⁾ NPV = Net Prestent Value

⁷⁾ NAR = Net Annual Value