

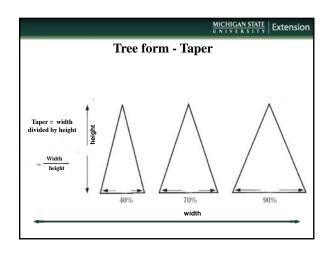
Integrated pest management Scouting Minimize pesticide use Use biocontrols Identify economic injury thresholds





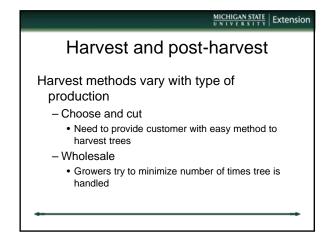


















Post-harvest

- The most important factor in post-harvest handling is keeping trees fresh
- Maintaining tree water content is critical
- Harvested trees need to be kept cool and shaded
- Trunks need to be kept in water

Moisture Content Interpretation

• Acceptable – greater than 100%

Tree in good condition and likely to rapidly rehydrate under proper care

Marginal – 80 to 100%

Tree capable of slowly rehydrating under proper care

• Critical – less than 80%

Tree unlikely to substantially rehydrate



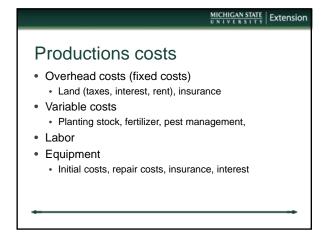










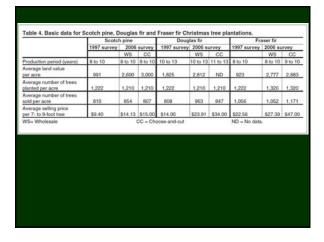


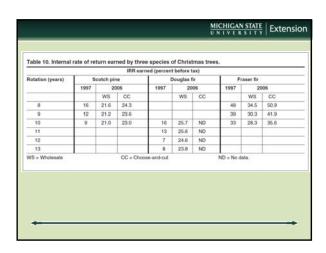
	1997 st	urvey							
			ws		cc				
	Average per y or per tre	ear	Average per y or per tre	ear	Average per ye or per tree	ar		length irs	
Cost item							8	9	10
	(Per acre)	(Pertree)	(Per acre)	(Por tree)	(Per acre)	(Per tree)	(Years in	which cost	is incurred;
Land value	\$923.00	\$0.75	\$2,777.78	\$2.30	\$2,883.00	\$2.38	1-8	1-9	1-10
Land rental	\$52.22	\$0.04	\$78.00	\$0.06	N/A	N/A	1-8	1-9	1-10
Site preparation	\$94.38	\$0.08	\$153.75	\$0.13	\$76.00	\$0.06	1	1	- 1
Planting stock (2-0)	\$586.56	\$0.48	\$748.67	\$0.62	\$927.00	\$0.77	1	1	-1
Planting	\$202.11	\$0.17	\$192.73	\$0.16	\$205.00	\$0.17	1	1	1
Replanting	\$42.48	\$0.29	\$107.47	\$0.51	\$67.00	\$0.27	2	2	2
Land taxes	\$18.98	\$0.02	\$25.33	\$0.02	\$43.00	\$0.04	1-8	1-9	1-10
Overhead	\$122.29	\$0.10	\$240.00	\$0.18	\$295.00	\$0.22	1-8	1-9	1-10
Mowing	\$15.22	\$0.01	\$50.03	\$0.04	\$72.36	\$0.06	1-8	1-9	1-10
Chemical weed control	\$27.72	\$0.02	\$39.92	\$0.03	\$54.58	\$0.05	1-5	1-6	1-7
Fertilizer	\$30.00	\$0.02	\$36.10	\$0.03	\$36.10	\$0.03	1-8	1-9	1-10
Basal pruning	\$30.00	\$0.02	\$206.42	\$0.17	\$100.00	\$0.08	3	3	3
Irrigation	N/A	N/A	\$115.00	\$0.10	\$120.00	\$0.10	3	3	3
Insect control	\$19.58	\$0.02	\$37.05	\$0.03	60.00	ND	3-8	3-9	3-10
Disease control	\$2.38	\$0.00	\$23.14	\$0.02	ND	ND	4-8	4-9	4-10
Cleanup after harvest	\$84.17	\$0.07	\$123.85	\$0.10	\$103.00	\$0.09	8	9	10

Cost item and years				Rotation length in years and cost per acre						
in which cost is incurred		Average cost per tree					9		10	
	1997 2006 survey survey		2006 survey		2006 survey		2006 survey			
		WS	CC	WS	CC	WS	CC	WS	CC	
Shearing										
3rd and 4th years	\$0.05	\$0.13	\$0.22	\$137	\$258	\$137	\$258	\$137	\$258	
5th and 6th years	0.08	0.16	0.26	\$168	\$304	\$168	\$304	\$168	\$304	
7th year	0.11	0.18	0.28	\$170	\$295	\$170	\$295	\$170	\$295	
8th year	0.13	0.20	0.32	\$126	\$225	\$147	\$262	\$168	\$300	
9th year	0.15	0.21	0.37			\$66	\$130	\$144	\$282	
10th year	0.17	0.21	0.37					\$55	\$108	
Cutting										
6th year	0.20	0.41	ND	43		43		43		
7th year	0.20	0.41	ND	129		86		43		
8th year	0.20	0.41	ND	259		216		65		
9th year	0.20	0.41	ND			86		173		
10th year	0.20	0.41	ND					108		
Cleaning and baling										
6th year	0.58	0.61	0.5	64	59	64	59	64	59	
7th year	0.58	0.61	0.5	193	176	128	117	64	59	
8th year	0.58	0.61	0.5	385	351	321	293	96	88	
9th year	0.58	0.61	0.5			128	117	257	234	
10th year	0.58	0.61	0.5					160	146	
Hauling and loading										
6th year	0.83	0.96	ND	101	ND	101	ND	112	ND	
7th year	0.83	0.96	ND	303	ND	202	ND	112	ND	
8th year	0.83	0.96	ND	606	ND	505	ND	169	ND	
9th year	0.83	0.96	ND	į į		202	ND	450	ND	
10th year	0.83	0.96	ND					281	ND	



		year rotation		9-y	10-year rotation				
	1997		2006	1997	2006		1997	2006	
		WS	CC	CC	WS	CC		WS	CC
6	141	106	117						
	\$3,181	\$2,876	\$5,499	1					
7	563	316	351	260	210	234	68	210	234
- 1	\$12,701	\$8,655	\$16,497	\$5,866	\$5,752	\$10,998	\$1,534	\$5,752	\$10,998
8	352	631	703	422	526	586	329	210	234
	\$7,941	\$17,283	833,041	\$9,520	\$14,407	\$27,542	\$7,422	\$5,752	\$10,998
9	9			374	316	351	363	422	469
				\$8,437	\$8,655	\$16,497	\$8,189	9 \$11,559	\$22,043
10						296	210	234	
- 1				1			\$6,678	\$5,752	\$10,998
rees sold	1,056	1,052	1,171	1,056	1,052	1,171	1,056	1,052	1,171
iross revenue	\$23,823	\$28,814	\$55,037	\$23,823	\$28,814	\$55,037	\$23,823	\$28,814	\$55,037
VS= Wholesale			CC = Choos	e-and-cut	-	N	D = No da	ta	





















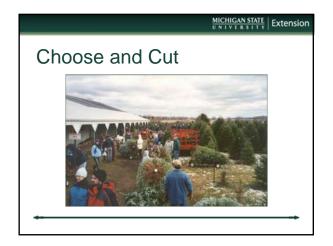


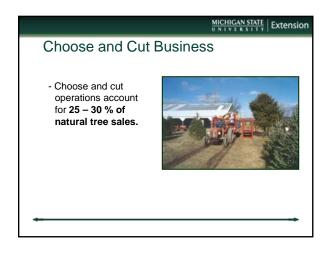




















































"The bitterness of low quality remains long after the sweetness of low price is forgotten."

Benjamin Franklin





