

RASPBERRY
 BUDGET
 ANDY HANKINS
 VA STATE UNIVERSITY

SHIITAKE MUSHROOMS

ESTABLISHMENT COSTS
 1000 LOGS

ITEM	QUANTITY	PRICE /UNIT	TOTAL
CASH EXPENSES:			
5" x 48" GREEN OAK LOGS	1000 LOGS	\$0.75 /LOG	\$750.00
MUSHROOM SPAWN	25 GAL	\$16.00 /GAL	\$400.00
POLYETHYLENE BACKER RODS	3 BOXES	\$12.00 /BOX	\$36.00
8,000 RPM DRILL	1 DRILL	\$280.00 /DRILL	\$280.00
DRILL BITS	10 BITS	\$6.00 /BIT	\$60.00
* WATER TANK	1 TANK	\$100.00 /TANK	\$100.00
* USED REFRIGERATORS	2 FRIG.	\$100.00 /FRIG.	\$200.00
MISC.(SPRINKLER, WATER HOSE, UTILITIES, ETC.)			\$100.00
TOTAL NON-LABOR COSTS:			\$1,926.00
LABOR:			
DRILL, PLANT, CUT PLUGS, PLUG, & RACK	70 HOURS	\$7.00 /HOUR	\$490.00
INSPECT, & WATER	15 HOURS	\$7.00 /HOUR	\$105.00
TOTAL LABOR COSTS:			\$595.00
TOTAL ESTABLISHMENT COSTS:			\$2,521.00

* These items are not essential until the second year of production

Note: Actual cost could vary considerably, depending on location, source of inputs, labor supply, weather, etc.

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Shiitake
Production Cost

SHIITAKE MUSHROOMS
PRODUCTION COSTS
1000 LOGS

		YEARS				
		1	2	3	4	TOTAL
INCOME:						
NO. OF LOGS		1000	1000	1000	800	
LBS. PRODUCED		100	2200	1500	600	4400
LBS. SOLD (FRESH) 20% CULLING RATE		80	1760	1200	1000	4040
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REVENUE:	\$3.50 /LB.	\$280	\$6,160	\$4,200	\$3,500	\$14,140
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EXPENSES:						
* PRORATED ESTAB. COST (INTEREST RATE #####)		\$882	\$882	\$882	\$882	\$3,529
TRANSPORTATION		\$40	\$600	\$600	\$600	\$1,840
YEAR 1:	200 MILES (2 100-MILE TRIPS)					
YEARS 2-5:	3000 MILES (30 100-MILE TRIPS)					
COST/MILE:	\$0.20					
BOXES (3 LBS./BOX @ \$0.50 PER BOX)	\$0.50	\$13	\$293	\$200	\$167	\$673
UTILITIES (\$0.07/KWH)		\$25	\$200	\$200	\$200	\$625
TOTAL NON-LABOR COSTS:		\$961	\$1,976	\$1,882	\$1,849	\$6,668
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LABOR:	\$7.00 /HOUR					
SOAK & RERACK (YEAR 1: 1 TIME x 1 MIN./LOG) (YEARS 2 - 5: 4 TIMES x 1 MIN./LOG)		\$117	\$467	\$467	\$373	\$1,423
HARVEST	17.5 LBS/HR.	\$40	\$880	\$600	\$240	\$1,760
DELIVERY		\$35	\$525	\$525	\$525	\$1,610
WAGE * DISTANCE/SPEED; WITH SPEED			40 MPH			\$40
TOTAL LABOR COSTS:		\$192	\$1,872	\$1,592	\$1,138	\$4,793
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	TOTAL COSTS:	\$1,152	\$3,847	\$3,474	\$2,987	\$11,461
	NET REVENUE:	(\$872)	\$2,313	\$726	\$513	\$2,679
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PRESENT VALUE OF NET REVENUE FLOW:				#VALUE!	ANNUAL EQUIV.:	
BREAKEVEN PRICE:	\$2.60 /LB.				TOTAL LABOR COSTS:	\$4,793.33
					TOTAL LABOR HOURS:	959
BREAKEVEN YIELD:	3275 LBS.				LABOR AS % OF TOTAL COSTS:	42%

* ESTABLISHMENT COST HAS BEEN AMORTIZED FOR THREE YEARS, BEGINNING IN THE SECOND YEAR, AT THE SPECIFIED INTEREST RATE. INTEREST ONLY IS CHARGED IN THE FIRST YEAR. ANY NET REVENUE DEFICIT APPEARING IN THE FIRST YEAR IS ADDED TO THE AMOUNT TO BE AMORTIZED IN YEARS 2 - 4.