

Time	Total Arriving	Wet Berries(70%)	Berries in waiting	Total Wet Bins	No. of bbls in the bin	No.of Trucks waiting
07:00-08:00	1,918	1,343	743	3,200	2,457	0
08:00-09:00	1,461	1,023	1,165	3,200	2,035	0
09:00-10:00	1,402	981	1,547	3,200	1,653	0
10:00-11:00	1,560	1,092	2,039	3,200	1,161	0
11:00-12:00	1,612	1,128	2,567	3,200	633	0
12:00-13:00	1,105	774	2,741	3,200	459	0
13:00-14:00	1,492	1,044	3,185	3,200	15	0
14:00-15:00	1,801	1,261	3,846	3,200	-646	-9
15:00-16:00	1,408	986	4,231	3,200	-1,031	-14
16:00-17:00	1,239	867	4,499	3,200	-1,299	-17
17:00-18:00	1,204	843	4,741	3,200	-1,541	-21
18:00-19:00	1,325	928	5,069	3,200	-1,869	-25

3.115

total dryer cap	Dry Berries(30 %)
600	575
600	438
600	421
600	468
600	484
600	332
600	448
600	540
600	422
600	372
600	361
600	398

Time	Total Arriving	Wet Berries(70%)	Berries in waiting	Total Wet Bins
07:00-08:00	1,918	1,343	543	3,200
08:00-09:00	1,461	1,023	765	3,200
09:00-10:00	1,402	981	947	3,200
10:00-11:00	1,560	1,092	1,239	3,200
11:00-12:00	1,612	1,128	1,567	3,200
12:00-13:00	1,105	774	1,541	3,200
13:00-14:00	1,492	1,044	1,785	3,200
14:00-15:00	1,801	1,261	2,246	3,200
15:00-16:00	1,408	986	2,431	3,200
16:00-17:00	1,239	867	2,499	3,200
17:00-18:00	1,204	843	2,541	3,200
18:00-19:00	1,325	928	2,669	3,200

No. of bbls in the bin	No.of Trucks waiting	total dryer cap	Dry Berries(3 0%)
2,657	0	800	
2,435	0	800	
2,253	0	800	
1,961	0	800	
1,633	0	800	
1,659	0	800	
1,415	0	800	
954	0	800	
769	0	800	
701	0	800	
659	0	800	
531	0	800	

Time	Total Arriving	Wet Berries(70%)	Berries in waiting	Total Wet Bins
07:00-08:00	1,918	1,343	343	3,200
08:00-09:00	1,461	1,023	365	3,200
09:00-10:00	1,402	981	347	3,200
10:00-11:00	1,560	1,092	439	3,200
11:00-12:00	1,612	1,128	567	3,200
12:00-13:00	1,105	774	341	3,200
13:00-14:00	1,492	1,044	385	3,200
14:00-15:00	1,801	1,261	646	3,200
15:00-16:00	1,408	986	631	3,200
16:00-17:00	1,239	867	499	3,200
17:00-18:00	1,204	843	341	3,200
18:00-19:00	1,325	928	269	3,200

No. of bbls in the bin	No.of Trucks waiting	total dryer cap	Dry Berries(3 0%)
2,857	0	1,000	
2,835	0	1,000	
2,853	0	1,000	
2,761	0	1,000	
2,633	0	1,000	
2,859	0	1,000	
2,815	0	1,000	
2,554	0	1,000	
2,569	0	1,000	
2,701	0	1,000	
2,859	0	1,000	
2,931	0	1,000	

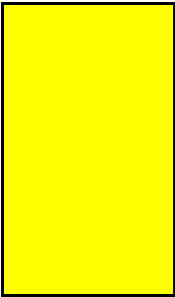
Time	Total Arriving	Wet Berries(70 %)	Berries in waiting	Total Wet Bins
07:00-08:00	1,918	1,343	743	3,200
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16:00-17:00	1,239	867	4,499	3,200
17:00-18:00	1,204	843	4,741	3,200
18:00-19:00	1,325	928	5,069	3,200

No. of bbls in the bin	No.of Trucks waiting	total dryer cap	Dry Berries(30 %)	Total Capacity with 9 bins converted	space in bins	Trucks waiting
2,457	0	600	575	5,450	4,707	0
2,035	0	600	438	5,450	4,285	0
1,653	0	600	421	5,450	3,903	0
1,161	0	600	468	5,450	3,411	0
633	0	600	484	5,450	2,883	0
459	0	600	332	5,450	2,709	0
15	0	600	448	5,450	2,265	0
-646	-9	600	540	5,450	1,604	0
-1,031	-14	600	422	5,450	1,219	0
-1,299	-17	600	372	5,450	951	0
-1,541	-21	600	361	5,450	709	0
-1,869	-25	600	398	5,450	381	0

2250

3200

5450



not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

not waiting

Years	0	1	2	3	4	5
Rate of depreciation	0	12.50%	12.50%	12.50%	12.50%	12.50%
Beganing book value	60,000	60,000	52,500	45,000	37,500	30,000
Depreciation	-	7,500	7,500	7,500	7,500	7,500
Ending book value	60,000	52,500	45,000	37,500	30,000	22,500
Tax savings	-	1,500	1,500	1,500	1,500	1,500
Total cashflow savings	-	9,000	9,000	9,000	9,000	9,000

Value of Dryer
at Start of Year
\$ 60,000.00 \$
60,000.00 \$
52,500.00 \$
45,000.00 \$
37,500.00 \$
30,000.00 \$
22,500.00 \$
15,000.00 \$

7,500.00 Annual
Depreciation

Amount \$ - \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 Value
of Dryer at End
of Year \$

60,000.00 \$

52,500.00 \$

45,000.00 \$

37,500.00 \$

30,000.00 \$

22,500.00 \$

15,000.00 \$

7,500.00 \$ -

Tax Savings for
the Year \$ - \$

9,450.00 \$

8,100.00 \$

6,750.00 \$

5,400.00 \$

4,050.00 \$

2,700.00 \$

1,350.00 \$ -

6	7	8
12.50%	12.50%	12.50%
22,500	15,000	7,500
7,500	7,500	7,500
15,000	7,500	0
1,500	1,500	1,500
9,000	9,000	9,000

Years	0	1	2	3	4	5
Rate of depreciation	0	12.50%	12.50%	12.50%	12.50%	12.50%
Beginning book value	10,000	10,000	8,750	7,500	6,250	5,000
Depreciation	-	1,250	1,250	1,250	1,250	1,250
Ending book value	10,000	8,750	7,500	6,250	5,000	3,750
Tax savings	-	250	250	250	250	250
Total cashflow savings	-	1,500	1,500	1,500	1,500	1,500

Value of Dryer
at Start of Year
\$ 60,000.00 \$
60,000.00 \$
52,500.00 \$
45,000.00 \$
37,500.00 \$
30,000.00 \$
22,500.00 \$
15,000.00 \$

7,500.00 Annual
Depreciation

Amount \$ - \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 \$

7,500.00 Value
of Dryer at End
of Year \$

60,000.00 \$

52,500.00 \$

45,000.00 \$

37,500.00 \$

30,000.00 \$

22,500.00 \$

15,000.00 \$

7,500.00 \$ -

Tax Savings for
the Year \$ - \$

9,450.00 \$

8,100.00 \$

6,750.00 \$

5,400.00 \$

4,050.00 \$

2,700.00 \$

1,350.00 \$ -

6	7	8
12.50%	12.50%	12.50%
3,750	2,500	1,250
1,250	1,250	1,250
2,500	1,250	0
250	250	250
1,500	1,500	1,500

Year	0	1	2	3	4	5
Beganing BV for dryers	60000	60000	60000	60000	60000	60000
Beganing BV for bins	10000	10000	10000	10000	10000	10000
% of cost	-	1%	1%	2%	2%	2%
Dryer M_cost	-	600	600	1200	1200	1200
Bins M_cost	-	100	100	200	200	200

6	7	8
60000	60000	60000
10000	10000	10000
3%	3%	3%
1800	1800	1800
300	300	300

Year 0 1 2 3 4 5 6 7 8
 Initial Price of Dryer \$ 60,000.00 \$ 60,000.00 \$ 60,000.00 \$ 60,000.00
 Maintenance Cost (dollars) \$ - \$ 1,200.00 \$ 1,200.00 \$ 1,200.00 \$ 1,200.00
 Initial Price of Bin \$ 10,000.00 \$ 10,000.00 \$ 10,000.00 \$ 10,000.00
 Maintenance Cost (dollars) \$ - \$ 200.00 \$ 200.00 \$ 200.00 \$ 300.00
 Drying Units:
 Converted Bins:



0.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	Maintenance Cost as F
1,800.00	\$ 1,800.00	\$ 1,800.00	\$ 3,000.00	\$ 3,000.00	Year 0	1 2 3 4 5 6 7 8
0	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	Maintenance Cost as Per
0	\$ 300.00	\$ 300.00	\$ 500.00	\$ 500.00		



Percentage of Initial Dryer Cost 0% 2% 2% 2% 3% 3% 3% 5% 5%

Percentage of Initial Bin Cost 0% 2% 2% 2% 3% 3% 3% 5% 5%

Description	Hours	total wages paid		Description
1st shift	8	6360		1st shift
2nd shift	8	6360		2nd shift
Processing overtime	5	5962.5		Processing overtime
Maintenance	2	2385		Maintenance
Total peak day cost	21067.5			Total peak day cost
Total wages paid				
over 20 peak days	421350			Total wages paid
		Savings each year		
Current capacity		0		one more dryer

Hours	total wages paid		Description	Hours
	8	6360	1st shift	8
	8	6360	2nd shift	8
	0	0	Processing overtime	0
	2	2385	Maintenance	
	15105		Total peak day cost	12720
	302100		Total wages paid	254400
Savings each year				Savings each year
119250			two more	166950

47700

total wages paid

6360

6360

0

0

Description	Hours	total wages paid		Description
1st shift	8	3240		1st shift
2nd shift	8	3240		2nd shift
Processing overtime	5	3037.5		Processing overtime
Total peak day cost	9517.5			Total peak day cost
Total wages paid over 20 peak days	190350			Total wages paid
		Savings each year		
Current capacity		0		one more dryer

Hours	total wages paid		Description	Hours
8	3240		1st shift	8
8	3240		2nd shift	8
0	0		Processing overtime	0
6480			Total peak day cost	6480
129600			Total wages paid	129600
Savings each year				Savings each year
60750			two more	60750
				0

[illegible]

Year	0	1	2	3	4	5
Dep savings from dryer	-	9000	9000	9000	9000	9000
Dryer M_cost	-	-600	-600	-1200	-1200	-1200
Labour savings		60750	60750	60750	60750	60750
Truck savings		50000	50000	50000	50000	50000
Investement	60000	-	-	-	-	-
cashflow	-60,000	119150	119150	118550	118550	118550

NPV \$572,570.34

6	7	8	rate10%	
9000	9000	9000		
-1800	-1800	-1800		
60750	60750	60750		
50000	50000	50000		
-	-	-		
117950	117950	117950		



	current drying capacity	add 1 dryer (200bbls)	add 2 dryers (400bbls)
No. of trucks waiting	25	0	0
Cost per truck	100	100	100
Total cost truck waiting	50000	0	0
Total savings in a year	0	50000	50000





No Add'l Dryer	1 Add'l Dryer	2 Add'l Dryers
Total Number of Trucks Waiting	288	37 0
Total Cost for One Peak Day	\$28,800.00	\$3,700.00 \$0.00
Total Cost for All Peak Days	\$576,000.00	\$74,000.00 \$0.00

Year	0	1	2	3	4	5
Dep savings from dryer	-	9000	9000	9000	9000	9000
Dryer M_cost	-	-600	-600	-1200	-1200	-1200
Labour savings		119250	119250	119250	119250	119250
Truck savings		50000	50000	50000	50000	50000
Investement	60000	-	-	-	-	-
cashflow	-60,000	177650	177650	177050	177050	177050

NPV \$884,663.52

6	7	8	rate10%	
9000	9000	9000		
-1800	-1800	-1800		
119250	119250	119250		
50000	50000	50000		
-	-	-		
176450	176450	176450		



Year	0	1	2	3	4	5
Dep savings from 2 dryer	-	18000	18000	18000	18000	18000
Dryer M_cost	-	-1200	-1200	-2400	-2400	-2400
Labour savings		166950	166950	166950	166950	166950
Truck savings		50000	50000	50000	50000	50000
Investement	120000	-	-	-	-	-
cashflow	-120,000	233750	233750	232550	232550	232550
NPV		\$1,120,866.76				

6	7	8			
18000	18000	18000	18000		
-3600	-3600	-3600		rate	10%
166950	166950	166950			
50000	50000	50000			
-	-	-			
231350	231350	231350			

Year	0	1	2	3	4	5	6
Dep savings from 6 bins	-	9000	9000	9000	9000	9000	9000
6 Dryer M_cost	-	-600	-600	-1200	-1200	-1200	-1800
Labour savings		119250	119250	119250	119250	119250	119250
Truck savings		46000	46000	46000	46000	46000	46000
Investement	60000	-	-	-	-	-	-
cashflow	-60,000	173650	173650	173050	173050	173050	172450
	NPV	\$863,323.82					

7	8			
9000	9000			
-1800	-1800		rate	10%
119250	119250			
46000	46000			
-	-			
172450	172450			