Table 10A. Income and Cash Operating Summary; Pumpkins, 2001

FARM: Southern AZ Veg ACRES: 1.0 Avra Valley, Electric COUNTY: Pima WATER SOURCE: TILLAGE: Conventional CROP: Pumpkins IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam 3.6 Tn / Acre 10/9/01 AREA: Avra Valley YIELD: PREVIOUS CROP: Cotton, Upland DATE:

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Pumpkins	Ton	3.60	\$102.00	\$367.20	\$367.20	
CASH LAND PREPARATION AND Paid Labor (including benefits) Tractor/Self Propelled Irrigation	GROWING EXPENSES (inc	luding sales tax)		19.96 20.59	40.55	
Chemicals and Custom Applicat Fertilizer Insecticide Other Chemicals	ions			42.15 82.27 46.41	170.83	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance Irrigation Water (excluding labor Pump Energy - Electric Repairs and Maintenance Water Assessment (See Note B	,			10.39 15.48 111.67 18.01	25.87 129.69	
Other Purchased Inputs & Seed/Transplants Other Services and Rentals	TOTAL CASH LAND PRE	PARATION AND GROW	ING EXPENSES	250.49 150.00	400.49 767.43	
CASH HARVEST AND POST HAR	VEST EXPENSES					
Paid Labor (including benefits) Tractor/Self Propelled Other/Contract				52.62 90.98	143.59	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance	TOTAL HARVEST AND P	OST HARVEST EXPENS	SF	24.95 43.05	68.00 211.59	
OPERATING OVERHEAD -> PICK OPERATING INTEREST AT 10.0%	UP USE				5.08 14.89	
TOTAL CASH OPERATING EXPERIENCE OF CASH OPI					\$998.99 (\$631.79)	

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.

Table 10B. Allocations of Ownership Costs; Pumpkins, 2001

COUNTY: Pima FARM: Southern AZ Veg WATER SOURCE: Avra Valley, Electric TILLAGE: Conventional CROP: Pumpkins ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Avra Valley YIELD: 3.6 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 10/9/01

	CASH COST BASI	S (\$/ACRE)	TOTAL COST BA	SIS (\$/ACRE)	
Item	Income and Costs	Net Returns	Income and Costs	Net Returns	
TOTAL INCOME at \$102.00 / Tn TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$367.20 \$998.99	(\$631.79)	\$367.20 \$998.99	(\$631.79)	
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery Wells and Irrigation System General and Office Overhead (5.0%of Total Operating Exp.) General Farm Maintenance (3.0% of Total Operating Exp.)	7.16 10.19 49.95 29.97		7.16 10.19 49.95 29.97		
Total Cash Overhead Expenses	97.27		97.27		
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES CAPITAL ALLOCATIONS (100% Equity)	1,096.26	(\$729.06)	1,096.26	(\$729.06)	
Capital Replacement, Machinery and Vehicles Wells and Irrigation System Interest on Equity, Machinery and Vehicles Wells and Irrigation System			46.09 27.83 20.72 15.88		
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK	>	(\$729.06)	110.52	(\$839.58)	
Land Cost / Rent or Lease	100.00		100.00		
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	100.00	(\$829.06)	100.00	(\$939.58)	
Management Services (8% of Total Operation Expenses)			79.92		
TOTAL OWNERSHIP COST	197.27		387.71		
TOTAL COST	\$1,196.26		\$1,386.70		
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	>	(\$829.06) 	>	(\$1,019.50)	
Item	CASH COST BASI Income and Costs	S (\$/ACRE) Net Returns	TOTAL COST BAS Income and Costs	SIS (\$/ACRE) Net Returns	
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$277.50 \$54.80 \$332.29		\$277.50 \$107.70 \$385.19	

Table 10C. Variable Operating Costs; Pumpkins, 2001

FARM: Southern AZ Veg COUNTY: Pima WATER SOURCE: Avra Valley, Electric TILLAGE: Conventional CROP: Pumpkins ACRES: 1.0 SOIL: Sandy-Loam IRRIGATION SYSTEM: Flood Furrow 10/9/01 AREA: Avra Valley YIELD: 3.6 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE:

	First		Hour	s *	Operatir	na Costs	(\$/ACRE	*) Per Opera	ation		Tot. Cash	
No.	Month	Operation	Machine	Labor	Fuel/Rps.	•	•	Materials	Total	Times	Expenses	Class
1	May	Disk	0.225	0.250	4.11	2.19			6.30	1.0	6.30	L
2	May	Landplane	0.360	0.400	3.99	3.51			7.50	1.0	7.50	L
3	May	List	0.225	0.250	3.19	2.19			5.38	1.0	5.38	L
4	May	Buck Rows	0.023	0.025	0.22	0.22			0.44	3.0	1.32	G
5	May	Preirrigate		0.565	23.71	4.33			28.05	1.0	28.05	G
6	May	Mulch	0.225	0.250	2.84	2.19			5.03	1.0	5.03	L
7	Jun	Plant	0.225	0.250	2.43	2.19		250.49	255.11	1.0	255.11	L
8	Jul	Irrigate/Run Fertilizer		0.424	23.71	3.25		8.43	35.40	5.0	176.98	G
9	Jul	Disk Ends	0.023	0.025	0.29	0.22			0.51	2.0	1.02	G
10	Jul	Cultivate	0.225	0.250	2.44	2.19			4.63	2.0	9.26	G
11	Jul	Hand Weeding					75.00		75.00	2.0	150.00	G
12	Aug	Apply Fungicide/Air					4.75	14.15	18.90	2.0	37.80	G
13	Sep	Apply Insecticide/Air					4.75	17.97	22.72	4.0	90.88	G
14	Oct	Prepare Ends	0.023	0.025	0.29	0.22			0.51	1.0	0.51	Н
15	Oct	Pick and Load	2.000	4.444	25.21	34.66			59.87	1.0	59.87	Н
16	Oct	Haul 1	3.371	3.750	42.49	32.90			75.39	1.0	75.39	Н
17	Oct	Disk Residue	0.225	0.250	3.20	2.19			5.39	1.0	5.39	L
		Pickup Use 20 Mi/Acre	0.667		5.08						5.08	
		Operating Interest at 10.0					14.89				14.89	
		TOTAL CASH OPERATING	EXPENSE	S (include:	s all times over):						998.99	Т

*NOTES: Machine and labor hours and operating cost are for one time over the designated acreage. The "Tot. Cash Expense" column and the "TOTAL CASH OPERATING EXPENSES" row include all operations, all times over. Classes are defined below.

OPERATING COST SUMMARY B	Y CLASS	SENSITIVITY	OF THE N	NET REVEN	IUES OVER	R TOTAL CAS	H EXPENS	ES (\$/ACR	E)
Land Preparation (L)	284.72	Prices ->		- 25%	- 10%	Budgeted	+ 10%	+ 25%	<u>, </u>
Growing (G)	558.53	Yields		\$76.50	\$91.80	\$102.00	\$112.20	\$127.50	Break-even Price
Harvest (H)	135.77								•
Post Harvest (P)	0.00	- 25%	2.7	-896.89	-855.58	-828.04	-800.50	-759.19	408.68
Marketing (M)	0.00	- 10%	3.2	-875.95	-826.38	-793.33	-760.28	-710.71	346.85
Operating Overhead (O)	19.97	Budgeted	3.6	-861.99	-806.91	-770.19	-733.47	-678.39	315.94
		+ 10%	4.0	-848.02	-787.43	-747.04	-706.65	-646.06	290.65
Total (T)	\$998.99	+ 25%	4.5	-827.08	-758.23	-712.33	-666.43	-597.58	260.30
		Break-even Yi	eld	25.82	18.52	15.58	13.45	11.16	

Table 10D. Resource and Cash Flow Requirements; Pumpkins, 2001

COUNTY: Pima FARM: Southern AZ Veg WATER SOURCE: Avra Valley, Electric TILLAGE: Conventional CROP: Pumpkins ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Avra Valley YIELD: 3.6 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 10/9/01

Mark Number Num			Water				Or	oratin	a Costs (\$/A	CDE *\			
Month		Number		Total	Purchased	Fuel Oil		eraum	y cosis (\$/A				
JUN C 028	Month *							bor	Chemicals		Services	Total	
JUN C 028													
JUL C 2.0 16.0 1.15 AUG C 2.0 16.0 1.15 AUG C 2.0 16.0 1.12 50.16 8.92 45.16 84.50 188.74 SEP C 1.0 8.0 0.42 23.71 3.25 80.31 19.00 126.27 OCT C 19.58 71.19 133.19 204.38 Pickup Use 20 Mil/Acre Operating Interest at 10.0 Water Assessment ** Total 6.0 48.0 24.29 241.23 171.55 142.33 25.049 193.39 998.99 % 24.15 17.17 14.25 25.07 19.36 100.00 TOTAL RESOURCE REQUIREMENTS (per Acre) Total N 150.4 Total Labor 24.3 Total Uwater 48.0 Unleaded Gas 2.0 Gal Electric / Pumping 284.4 KWH All Direct Energy 15.6 M BTU EQUIPMENT REQUIREMENTS (per Acre) Cultivator, Sweep, 4 Rw 0.45 Hr Offset Disk, 12 0.22 Hr Offset Disk, 13.5 0.77 Hr Offset Disk, 12 0.22 Hr Offset Disk, 13.5 0.77 Hr Offset Disk, 10.5 0.77 Hr Tractor, 150 PTO HP, 0.22 Hr Tractor, 150 PTO HP, 0.22 Hr Vegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Surfactant (spreader) 4.00 Pt Trailer General Control of the Contro		1.0	8.0										
AUG C 2.0 16.0 1.12										250.49			
SEP C 1.0 8.0 0.42 19.58 71.19 133.19 126.27 204.38 71.19 133.19 204.38 71.19 133.19 204.38 71.19 133.19 204.38 71.19 133.19 204.38 71.19 133.19 71.19													
Cot 19.58 71.19 133.19 204.38 5.08 5.													
Pickup Use 20 Mil/Acre		1.0	8.0						80.31		19.00		
14.89 14.89 Valer Assessment 14.23 Valer Assessment 14.23 Valer Assessment 14.23 Valer Assessment 14.89 Valer Assessment 14.25 25.07 19.36 Valer Assessment 14.89 Valer Assessment 14.25 25.07 19.36 Valer Assessment 14.25 25.07 Valer Assessment 14.25 25.07 Valer Assessment 14				19.58	ļ			3.19					
Total 6.0 48.0 24.29 241.23 171.55 142.33 250.49 193.39 998.99						5.0	18						
Total 6.0 48.0 24.29 241.23 171.55 142.33 250.49 193.39 998.99					**						14.89	14.89	
Yes	Water Asses	ssment			**								
TOTAL RESOURCE REQUIREMENTS (per Acre) Total N 150.4 Total Labor 24.3 Total Water 48.0 EQUIPMENT REQUIREMENTS (per Acre) Cultivator, Sweep, 4 Rw 0.45 Hr Landplane 12'X 45' 0.36 Hr Offset Disk, 16.5' 0.22 Hr Pickup Truck, 1/2 Ton 0.67 Hr Rowbuck, 10' 0.07 Hr Tractor, 150 PTO HP, 0.22 Hr Tractor, 150 PTO HP, 0.22 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl ESSENDAR SEED SEED SEED SEED SEED SEED SEED SEE	Total	6.0	48.0	24.29		241.2	3 17	1.55	142.33	250.49	193.39	998.99	
Total N 150.4 Diesel Fuel 41.0 Gal Total Labor 24.3 Unleaded Gas 2.0 Gal Total Water 48.0 Electric / Pumping 2844.4 KWH All Direct Energy 15.6 M BTU EQUIPMENT REQUIREMENTS (per Acre) Cultivator, Sweep, 4 Rw 0.45 Hr Disk-Lister, 4 Rw 0.22 Hr Landplane 12'X 45' 0.36 Hr Offset Disk, 12' 0.22 Hr Offset Disk, 13.5' 0.07 Hr Offset Disk, 16.5' 0.22 Hr Pickup Truck, 1/2 Ton 0.67 Hr Power Mulcher, 4 Rw 0.22 Hr Rowbuck, 10' 0.07 Hr Tractor, 100 PTO HP 6.99 Hr Tractor, 150 PTO HP 0.22 Hr Vegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Esfenvalerate 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Surfactant (spreader) 4.00 Pt LABOR REQUIREMENT (per Acre)	%					24.1	5 1	7.17	14.25	25.07	19.36	100.00	
Cultivator, Sweep, 4 Rw 0.45 Hr Disk-Lister, 4 Rw 0.22 Hr Flexi-Planter - 4 Units 0.22 Hr Landplane 12'X 45' 0.36 Hr Offset Disk, 12' 0.22 Hr Offset Disk, 13.5' 0.07 Hr Offset Disk, 16.5' 0.22 Hr Pickup Truck, 1/2 Ton 0.67 Hr Power Mulcher, 4 Rw 0.22 Hr Rowbuck, 10' 0.07 Hr Tractor, 100 PTO HP 6.99 Hr Tractor, 150 PTO HP, 0.22 Hr Vegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Surfactant (spreader) Triadimefon 0.24 Lb Water, Pump 48.00 Al					Electric /	Pumping	2844.4	KWI					
Cultivator, Sweep, 4 Rw 0.45 Hr Disk-Lister, 4 Rw 0.22 Hr Flexi-Planter - 4 Units 0.22 Hr Landplane 12'X 45' 0.36 Hr Offset Disk, 12' 0.22 Hr Offset Disk, 13.5' 0.07 Hr Offset Disk, 16.5' 0.22 Hr Pickup Truck, 1/2 Ton 0.67 Hr Power Mulcher, 4 Rw 0.22 Hr Rowbuck, 10' 0.07 Hr Tractor, 100 PTO HP 6.99 Hr Tractor, 150 PTO HP, 0.22 Hr Vegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Surfactant (spreader) Triadimefon 0.24 Lb Water, Pump 48.00 Al	FOUIPMEN'	T REQUIREM	FNTS (per A	cre)									
Offset Disk, 16.5' 0.22 Hr Pickup Truck, 1/2 Ton 0.67 Hr Rowbuck, 10' 0.07 Hr Tractor, 100 PTO HP 6.99 Hr Tractor, 150 PTO HP, 0.22 Hr Vegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Esfenvalerate 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Triadimefon 0.24 Lb Water, Pump 48.00 Al LABOR REQUIREMENT (per Acre)			\ 1	,	Disk-Lister, 4 Rw		0.22 Hr		Flexi-Plan	ter - 4 Units	0.22 Hr		
Rowbuck, 10' 0.07 Hr Tractor, 100 PTO HP 6.99 Hr Tractor, 150 PTO HP 0.22 Hr Wegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Esfenvalerate 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Triadimefon 0.24 Lb Water, Pump 48.00 Al LABOR REQUIREMENT (per Acre)	Landplan	e 12'X 45'	0.3	36 Hr	Offset Disk, 12'		0.22 Hr		Offset Dis	k, 13.5'	0.07 Hr		
Tractor, 150 PTO HP, 0.22 Hr Vegetable Trailer Flat Bed 5.37 Hr MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Esfenvalerate 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Surfactant (spreader) 4.00 Pt Triadimefon 0.24 Lb Water, Pump 48.00 Al	Offset Dis	sk, 16.5'	0.2	22 Hr	Pickup Truck, 1/2 7	Гоп	0.67 Hr		Power Mu	Icher, 4 Rw	0.22 Hr		
MATERIALS REQUIREMENT (per Acre) 32-00-00, URAN 32, Lqd	Rowbuck	i, 10'	0.0	07 Hr	Tractor, 100 PTO F	HP	6.99 Hr		Tractor, 19	50 PTO HP	0.22 Hr		
32-00-00, URAN 32, Lqd 42.50 Ga Benomyl 0.50 Lb Endosulfan 4.00 Pt Esfenvalerate 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Surfactant (spreader) 4.00 Pt Triadimefon 0.24 Lb Water, Pump 48.00 Al LABOR REQUIREMENT (per Acre)	Tractor, 1	150 PTO HP,	0.2	22 Hr	Vegetable Trailer F	lat Bed	5.37 Hr						
Esfenvalerate 38.40 Oz Pumpkin Seed (Hyb) 12.00 Th Surfactant (spreader) 4.00 Pt Triadimefon 0.24 Lb Water, Pump 48.00 Al LABOR REQUIREMENT (per Acre)	MATERIALS	S REQUIREMI	ENT (per Acr	e)									
Triadimefon 0.24 Lb Water, Pump 48.00 Al LABOR REQUIREMENT (per Acre)		,			,				Endosulfa	n			
LABOR REQUIREMENT (per Acre)						b)			Surfactant	(spreader)	4.00 Pt		
	Triadimef	fon	0.2	24 Lb	Water, Pump		48.00 AI						
Irrigators 2.68 Hr Other 13.33 Hr Tractor 8.27 Hr													
	Irrigators		2.0	68 Hr	Other		13.33 Hr		Tractor		8.27 Hr		

*NOTE: P = Previous Year C = Current Year N = Next Year

Table 10E. Schedule of Operations; Pumpkins, 2001

COUNTY: Pima FARM: Southern AZ Veg WATER SOURCE: Avra Valley, Electric TILLAGE: Conventional CROP: Pumpkins ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Avra Valley YIELD: 3.6 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 10/9/01

First lo. Month 1	Times Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acre/Hr	Material L Name	Jse and Cos Appl. R				Service Cost \$ / Unit	t Labor Type	
May	1.0 Disk	150 Offset Disk, 16.5'	4.00							Tractor	
May	1.0 Landplane	100 Landplane 12'X 45'	2.50							Tractor	
May	1.0 List	100 Disk-Lister, 4 Rw	4.00							Tractor	
May	3.0 Buck Rows	100 Rowbuck, 10'	40.00							Tractor	
May	1.0 Preirrigate		1.77	Water, Pump	8.00 A	d	35.57	ΑF		Irrigators	
May	1.0 Mulch	100 Power Mulcher, 4 Rw	4.00	·						Tractor	
Jun	1.0 Plant	100 Flexi-Planter - 4 Units	4.00	Pumpkin Seed (Hyb)	12.00 TI	h	19.88	Th		Tractor	
Jul	5.0 Irrigate/Run Fertilizer		2.36	Water, Pump	8.00 A	\l	35.57	ΑF		Irrigators	
			32	2-00-00, URAN 32,	8.50 G	a 1	70.80	Tn			
Jul	2.0 Disk Ends	100 Offset Disk, 13.5'	40.00							Tractor	
Jul	2.0 Cultivate	100 Cultivator, Sweep, 4 Rw	4.00							Tractor	
Jul	2.0 Hand Weeding	CST Hand Weeding							75.00 A	C	
Aug	2.0 Apply Fungicide/Air	CST Air Spray, 5 Gal Mix	В	enomyl	0.25 LI	b	20.25	Lb	4.75 A	C	
			Ti	riadimefon	0.12 LI	b	70.12	Lb			
Sep	4.0 Apply Insecticide/Air	CST Air Spray, 5 Gal Mix	E	sfenvalerate	9.60 O	z 1	44.04	Ga	4.75 A	C	
			E	ndosulfan	1.00 P	rt	34.08	Ga			
			S	urfactant (spreader)	1.00 F	rt	16.40	Ga			
Oct	1.0 Prepare Ends	100 Offset Disk, 13.5'	40.00							Tractor	
Oct	1.0 Pick and Load	100 Vegetable Trailer Flat Bed	0.45							Tractor	
										Other	
Oct	1.0 Haul	100 Vegetable Trailer Flat Bed	0.27							Tractor	
Oct	1.0 Disk Residue	150 Offset Disk, 12'	4.00							Tractor	
	Pickup use 20 Mi/Ac	Pickup Truck, 1/2 Ton	1.50								

^{*}NOTES: Machine times, labor times, and material rates are for one time over the designated acreage.

Table 10F Operations Calendar; Pumpkins, 2001COUNTY: PimaFARM: Southern Vegetables

COUNTY CROP: AREA:	∕: Pima Pumpkins Marana	FARM: ACRES: YIELD:	1.0	ern Vegetat Tn/Acre	IRRIGATION SYSTEM:		Flood F	alley, Elect urrow Upland	-	TILLAG SOIL: DATE:	E:	Conventional Sandy-Loam 10/09/01			
							Month	and Times	Operatio	n Perform	ed				
No.	Operation			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Disk							1.0 C							
2	Landplane							1.0 C							
3	List							1.0 C							
	Buck Rows							1.0 C	1.0 C	1.0 C					
5	Preirrigate							1.0 C							
;	Mulch							1.0 C							
7	Plant								1.0 C						
3	Irrigate/Run Fertilizer									2.0 C	2.0 C	1.0 C			
j	Disk Ends									1.0 C	1.0 C				
0	Cultivate									1.0 C	1.0 C				
1	Hand Weeding									1.0 C	1.0 C				
2	Apply Fungicide/Air										2.0 C				
3	Apply Insecticide/Air											4.0 C			
4	Prepare Ends												1.0 C		
5	Pick and Load												1.0 C		
6	Haul												1.0 C		
7	Disk Residue												1.0 C		

^{*} NOTE: P = Previous Year C = Current Year N = Next Year