

Table 12A. Income and Cash Operating Summary; Green Chiles, 1998

COUNTY: Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Conventional
 CROP: Chile, Green ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Maricopa YIELD: 8.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 11/23/98

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME	Gr. Chile	Ton	8.00	\$200.00	\$1,600.00	_____
	Rd. Chile	Pound	700.00	\$0.45	\$315.00	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
	Paid Labor (including benefits)				60.75	_____
	Tractor/Self Propelled			33.12		_____
	Irrigation			27.64		_____
	Chemicals and Custom Applications				195.98	_____
	Fertilizer			97.03		_____
	Insecticide			32.57		_____
	Herbicide			32.44		_____
	Other Chemicals			33.94		_____
	Farm Machinery and Vehicles				50.69	_____
	Diesel Fuel			17.82		_____
	Repairs and Maintenance			32.86		_____
	Irrigation Water (excluding labor)				161.92	_____
	Water Assessment (See Note Below) **					_____
	Other Purchased Inputs &				256.42	_____
	Seed/Transplants			181.42		_____
	Other Services and Rentals			75.00		_____
	TOTAL CASH LAND PREPARATION AND GROWING EXPENSES				725.75	_____
CASH HARVEST AND POST HARVEST EXPENSES						
	Paid Labor (including benefits)				1.70	_____
	Tractor/Self Propelled			1.70		_____
	Farm Machinery and Vehicles				2.05	_____
	Diesel Fuel			0.76		_____
	Repairs and Maintenance			1.29		_____
	Custom Harvest/Post Harvest				828.00	_____
	TOTAL HARVEST AND POST HARVEST EXPENSE				831.75	_____
	OPERATING OVERHEAD PICKUP USE				20.55	_____
	OPERATING INTEREST AT 10.0%				23.91	_____
	TOTAL CASH OPERATING EXPENSES				\$1,601.96	=====
	RETURNS OVER CASH OPERATING EXPENSES				\$313.04	_____

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.
 ** A water assessment charge of \$25.00 per Acre is included as an ownership cost in Table B.

Table 12B. Allocations of Ownership Costs; Green Chiles, 1998

COUNTY: Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Conventional
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Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$200.00 / Tn	\$1,915.00		\$1,915.00	
TOTAL OPERATING EXPENSES	\$1,601.96		\$1,601.96	
RETURN OVER CASH OPERATING EXPENSES		\$313.04		\$313.04
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	5.11		5.11	
General and Office Overhead (5.0% of Total Operating Exp.)	80.10		80.10	
General Farm Maintenance (3.0% of Total Operating Exp.)	48.06		48.06	
Total Cash Overhead Expenses	133.27		133.27	
Total Cash Operating and Overhead Cost	1,735.23		1,735.23	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$179.77		\$179.77
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			29.66	
Interest on Equity, Machinery and Vehicles			14.20	
Total Capital Allocations			43.86	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$179.77		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$135.91
Land Cost / Rent or Lease	100.00		100.00	
Water Assessment	25.00		25.00	
Total Land Costs	125.00		125.00	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$54.77		
RETURNS TO MANAGEMENT AND RISK ----->				\$10.91
Management Services (8% of Total Operation Expenses)			128.16	
TOTAL OWNERSHIP COST	258.27		430.29	
TOTAL COST	\$1,860.23		\$2,032.25	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$54.77		
RETURNS TO RISK (PROFITS) ----->				(\$117.25)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$160.87		\$160.87
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$32.28		\$53.79
BREAK-EVEN PRICE TO COVER TOTAL COST		\$193.15		\$214.66

Table 12C. Variable Operating Costs; Green Chiles, 1998

COUNTY: Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Conventional
 CROP: Chile, Green ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Maricopa YIELD: 8.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 11/23/98

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times
1	Jan	Plow	0.321	0.357	5.47	2.92			8.40	1.0	8.40	L
2	Feb	Disk	0.225	0.250	4.01	2.05			6.05	2.0	12.11	L
3	Feb	Laser Level	0.900	1.000	12.84	8.19			21.02	0.3	6.31	L
4	Feb	Landplane	0.225	0.250	2.43	2.05			4.47	0.5	2.24	L
5	Feb	List	0.180	0.200	2.85	1.64			4.49	1.0	4.49	L
6	Mar	Apply Herbicide/Ground	0.150	0.167	1.93	1.37		32.44	35.74	1.0	35.74	G
7	Mar	Buck Rows	0.023	0.025	0.22	0.20			0.42	5.0	2.10	G
8	Mar	Preirrigate		0.424		2.89		16.75	19.64	1.0	19.64	G
9	Mar	Disk Ends	0.023	0.025	0.28	0.20			0.49	4.0	1.95	G
10	Mar	Apply Fert/Ground	0.150	0.167	2.03	1.37		37.63	41.03	1.0	41.03	G
11	Mar	Mulch	0.225	0.250	2.77	2.05			4.82	1.0	4.82	L
12	Apr	Plant	0.225	0.250	4.51	2.05		181.42	187.98	1.0	187.98	L
13	Apr	Irrigate		0.279		1.90		11.17	13.07	12.0	156.85	G
14	May	Cultivate	0.200	0.222	2.21	1.82			4.03	5.0	20.13	G
15	Jun	Thinning					75.00		75.00	1.0	75.00	G
16	Jun	Apply Fert/Ground	0.225	0.250	3.56	2.05		34.05	39.66	1.0	39.66	G
17	Jun	Apply Fungicide/Air					5.23	6.08	11.31	3.0	33.94	G
18	Aug	Irrigate/Run Fertilizer		0.278		1.90		36.52	38.42	1.0	38.42	G
19	Aug	Apply Insecticide/Air					4.75	27.82	32.57	1.0	32.57	G
20	Sep	Prepare Ends	0.023	0.025	0.28	0.20			0.49	1.0	0.49	H
21	Sep	Pick 8 Tn					600.00		600.00	1.0	600.00	H
22	Sep	Load Produce 8 Tn					16.00		16.00	1.0	16.00	H
23	Sep	Haul, Custom 8 Tn					80.00		80.00	1.0	80.00	H
24	Nov	Pick 1 Tn					80.00		80.00	1.0	80.00	H
25	Nov	Load Produce 1 Tn					5.26		5.26	1.0	5.26	H
26	Nov	Haul, Custom 1 Tn					50.00		50.00	1.0	50.00	H
27	Nov	Cut Stalks 1 Tn	0.164	0.182	1.81	1.49			3.31	1.0	3.31	P
28	Nov	Disk Residue 1 Tn	0.129	0.143	2.29	1.17			3.46	1.0	3.46	L
		Pickup Use80 Mi/Acre		2.667							20.55	
		Operating Interest at 10.0						23.91			23.91	
TOTAL CASH OPERATING EXPENSES (includes all times over):					74.40	62.45	949.67	518.88			1602.60	T

*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.
 A water assessment charge of \$25.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	229.79
Growing (G)	492.65
Harvest (H)	831.75
Post Harvest (P)	3.31
Marketing (M)	0.00
Operating Overhead (O)	44.46
Total (T)	\$1,601.96

SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)

Prices	- 25%	- 10%	Budgeted	+ 10%	+ 25%	Break-even Price
Yields	\$150.00	\$180.00	\$200.00	\$220.00	\$250.00	
- 25%	6.0	-494.65	-314.65	-194.65	-74.65	105.35
- 10%	7.2	-439.42	-223.42	-79.42	64.58	280.58
Budgeted	8.0	-402.60	-162.60	-2.60	157.40	397.40
+ 10%	8.8	-365.78	-101.78	74.22	250.22	514.22
Break-even Yield		16.75	10.14	8.03	6.64	5.28

Table 12D. Resource and Cash Flow Requirements; Green Chiles, 1998

COUNTY: Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Conventional
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 AREA: Maricopa YIELD: 8.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 11/23/98

Month *	Number Irrigations	Water Applied (inches)	Total Labor (Hrs)	Operating Costs (\$/ACRE *)							
				Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total	
JAN C			0.86		9.28	4.97					21.07
FEB C			0.63		17.66	11.87					26.22
MAR C	1.0	6.0	0.93	16.75	7.09	8.09	70.07				105.40
APR C	2.0	8.0	0.96	22.33	7.37	6.20		177.99			213.89
MAY C	3.0	12.0	1.11	33.50	2.65	4.13					40.42
JUN C	2.0	8.0	1.30	22.33	6.16	6.18	40.13		80.23		155.03
JUL C	2.0	8.0	1.05	22.33	2.65	4.13	6.08		5.23		40.42
AUG C	4.0	16.0	1.12	44.67		3.80	59.26		9.98		117.71
SEP C			0.03		0.28	0.20			696.00		696.48
NOV C			0.32		4.02	2.66			134.32		134.80
Pickup Use80 Mi/Acre					20.55						20.55
Operating Interest at 10.0									23.91		23.91
Water Assessment				**							
Total	14.0	58.0	8.30	161.92	74.40	62.45	175.54	177.99	940.67	1601.96	
%				10.11	4.64	3.90	10.96	11.11	59.28	100.00	

TOTAL RESOURCE REQUIREMENTS (per Acre)	TOTAL ENERGY REQUIREMENTS (per Acre)
Total N 225.5	Diesel Fuel 24.4 Gal
Total P 106.0	Unleaded Gas 8.0 Gal
Total K 0.0	All Direct Energy 4.4 M BTU
Total Labor 8.3	
Total Water 58.0	

EQUIPMENT REQUIREMENTS (per Acre)		
Bed Shaper, 6 Rw 0.22 Hr	Drag Scraper, 10' 0.27 Hr	Fert. Side Dress Unit, 0.38 Hr
Landplane 12'X 45' 0.11 Hr	Laser, Complete System 0.27 Hr	Lister, 7 Bottom 0.18 Hr
Moldboard Plow, 4-16 2 0.32 Hr	Offset Disk, 13.5' 0.11 Hr	Offset Disk, 16.5' 0.58 Hr
Pickup Truck, 1/2 Ton 2.67 Hr	Planter, Drill Type, 6 Row 0.22 Hr	Power Mulcher, 4 Rw 0.22 Hr
Rolling Cultivator, 6 Rw 1.38 Hr	Rotary Stalk Cutter, 4 Row 0.16 Hr	Rowbuck, 10' 0.11 Hr
Saddle Tk Sprayer, 2 Tk 8 0.15 Hr	Tractor, 100 PTO HP 2.25 Hr	Tractor, 125 PTO HP 0.22 Hr
Tractor, 150 PTO HP 1.35 Hr		

MATERIALS REQUIREMENT (per Acre)		
11-53-00, Dry 200.00 Lb	32-00-00, URAN 32, Lqd 25.00 Ga	46-00-00, Urea 46 250.00 Lb
BT 2.50 Lb	Chile Pepper Sd (OP) 5.00 Lb	Copper hydroxide 6.75 Lb
Napropamide 4.00 Lb	Water, District 58.00 Al	

LABOR REQUIREMENT (per Acre)	
Irrigators 4.05 Hr	Tractor 4.25 Hr

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

** A water assessment charge of \$25.00 per Acre is included as an ownership cost in Table B.

Table 12E. Schedule of Operations; Green Chiles, 1998

COUNTY: Pinal FARM: Pinal Vegetables 98 WATER SOURCE: Maricopa-Stanfield Irrig. TILLAGE: Conventional
 CROP: Chile, Green ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Maricopa YIELD: 8.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 11/23/98

First No.	Month	Times	Operation	Equipment/ Custom Oper		Job Rate Acres/Hr	Material Use and Cost				Service Cost \$ / Unit	Labor Type
				HP	Self-Prop./ Implement		Name	Appl. Rate	\$ / Unit			
1	Jan	1.0	Plow	150	Moldboard Plow, 4-16 2	2.80						Tractor
2	Feb	2.0	Disk	150	Offset Disk, 16.5'	4.00						Tractor
3	Feb	0.3	Laser Level	150	Drag Scraper, 10' Laser, Complete System	1.00						Tractor
4	Feb	0.5	Landplane	100	Landplane 12'X 45'	4.00						Tractor
5	Feb	1.0	List	150	Lister, 7 Bottom	5.00						Tractor
6	Mar	1.0	Apply Herbicide/Ground	100	Rolling Cultivator, 6 Rw Saddle Tk Sprayer, 2 Tk 8 Row	6.00	Napropamide	4.00 Lb	7.65 Lb			Tractor
7	Mar	5.0	Buck Rows	100	Rowbuck, 10'	40.00						Tractor
8	Mar	1.0	Preirrigate			2.40	Water, District	6.00 AI	33.50 AF			Irrigators
9	Mar	4.0	Disk Ends	100	Offset Disk, 13.5'	40.00						Tractor
10	Mar	1.0	Apply Fert/Ground	100	Fert. Side Dress Unit,	6.00	11-53-00, Dry	200.00 Lb	355.00 Tn			Tractor
11	Mar	1.0	Mulch	100	Power Mulcher, 4 Rw	4.00						Tractor
12	Apr	1.0	Plant	125	Bed Shaper, 6 Rw Planter, Drill Type, 6 Row	4.00	Chile Pepper Sd (OP)	5.00 Lb	34.23 Lb			Tractor
13	Apr	12.0	Irrigate			3.60	Water, District	4.00 AI	33.50 AF			Irrigators
14	May	5.0	Cultivate	100	Rolling Cultivator, 6 Rw	4.50						Tractor
15	Jun	1.0	Thinning		CST Thinning					75.00 Ac		
16	Jun	1.0	Apply Fert/Ground	100	Rolling Cultivator, 6 Rw Fert. Side Dress Unit, 4Row	4.00	46-00-00, Urea 46	250.00 Lb	257.00 Tn			Tractor
17	Jun	3.0	Apply Fungicide/Air		CST Air Spray, 7 Gal Mix		Copper hydroxide	2.25 Lb	2.55 Lb	5.23 Ac		
18	Aug	1.0	Irrigate/Run Fertilizer			3.60	Water, District	4.00 AI	33.50 AF			Irrigators
							32-00-00, URAN 32, BT	25.00 Ga	173.00 Tn			
19	Aug	1.0	Apply Insecticide/Air		CST Air Spray, 5 Gal Mix			2.50 Lb	10.50 Lb	4.75 Ac		
20	Sep	1.0	Prepare Ends	100	Offset Disk, 13.5'	40.00						Tractor
21	Sep	1.0	Pick		CST Pick Green Chiles					75.00 Tn		
22	Sep	1.0	Load Produce		CST Load Chiles					2.00 Tn		
23	Sep	1.0	Haul, Custom		CST Haul Green Chiles					10.00 Tn		
24	Nov	1.0	Pick		CST Pick Red Chile after Green					80.00 Tn		
25	Nov	1.0	Load Produce		CST Load Chiles					2.00 Tn		
26	Nov	1.0	Haul, Custom		CST Haul Red Chiles					50.00 Tn		
27	Nov	1.0	Cut Stalks	100	Rotary Stalk Cutter, 4 Row	5.50						Tractor
28	Nov	1.0	Disk Residue	150	Offset Disk, 16.5'	7.00						Tractor
			Pickup use 80 Mi/Ac		Pickup Truck, 1/2 Ton	0.38						

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