

STRAWBERRY - CHANDLER
 JAN 2000
 A-LAND

ACRES 1

FALL PLANTED CHANDLER PLASTICULTURE
 PICK-YOUR-OWN STRAWBERRIES

MANAGEMENT INFORMATION **

EXPECTED INCOME**

	PRICE/QUART		
	\$1.25	\$1.50	\$1.75
QUANTITY (QUART)			
8712	\$10,890	\$13,068	\$15,246
17424	\$21,780	\$26,136	\$30,492
26136	\$32,670	\$39,204	\$45,738

Adapted to sheltered sites in warmer areas. Consider hardier varieties in cooler areas. Both overhead sprinkler and trickle irrigation essential for frost protection, applying water for growth under mulch film, and for weekly fertigation for sufficient berry size. Double rowed, strip fumigation plastic culture. Plug plants: 17,424 plugs per acre. Yields figured at 1/2, 1, 1-1/2 quarts/plant. Fine tune planting date (late Sept. - early Oct.) depending on area to achieve 5 branch crowns maximum per plant. Too many branch crowns cause over-fruiting with small berries. One acre of well-managed Chandlers can equal 2-1/2 acres of good matted row berries. Overplanting can produce a glut of berries in your market area, resulting in overripe, rotting, unpicked berries. Requires year-round intensive management for a successful operation!

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS
RYE GRASS COVER CROP	LBS	12	\$0.52	\$6.24
PLANTS: CHANDLER PLUGS	PLUGS	17424	\$0.15	\$2,613.60
FERTILIZER: N	LB	60	\$0.28/LB	\$16.80
P	LB	120	\$0.25/LB	\$30.00
K	LB	120	\$0.14/LB	\$16.80
Soluble N, spring fertigation, 12 WKS	LB	40	\$0.75/LB	\$30.00
LIME	TONS	1	\$20.00/TON	\$20.00
PEST CONTROL:				
Custom fumigation (beds shaped, fertilizer & mulch film applied, applies fumigant, trickle tubing laid)	AC	1	\$1,000.00	\$1,000.00
Plastic mulch (4 1/2' x 2400 1.25 MIL')	ROLL	4	\$70.00	\$280.00
MB fumigant (200-LB cylinder)	CYL	1	\$250.00 EA	\$250.00
SPRAY MATERIALS:				
Poast (to kill cover crop)	QT	1	\$74.40/GAL	\$18.60
Crop oil	QT	1	\$10.90/GAL	\$2.73
HARVEST /CARRY HOME CONTAINERS				
4-QT. cardboard - wire bail	EA	4400	\$0.35	\$1,540.00
IRRIGATION: (includes row tubing and depreciation)	ACRE	\$2,162.00	26.32%	\$569.04 (*)
MACHINERY & EQUIP. (Fuel, oil,repairs)	\$\$	\$38.07	\$1.00	\$38.07
Operating interest (on above costs except *)	\$\$	\$4,317	6.00%	\$259.00 (*)
			OPERATING COSTS	\$6,690.86
			OUT-OF-POCKET COST PER QUART **	\$0.38
FIXED COST:				
LABOR	HRS	205	\$7.00	\$1,435.00
TOTAL FIXED MACHINE COSTS	\$\$	\$120.26	\$1.00	\$120.26
TOTAL FIXED IRRIGATION COSTS (DEP., INT., INS., & TAXES)	\$\$	\$6,000	10.00%	\$600.00
LAND CHARGE	\$\$	\$800.00	6.00%	\$48.00
			TOTAL COSTS	\$8,294.12
			TOTAL COSTS PER QUART	\$0.48

** Based on 17,424-quart production. Various costs of production are listed on the following page.

PYOSTBRY (continued)

PICK YOUR OWN CHANDLER STRAWBERRIES

LABOR REQUIRED	HOURS/SEASON	EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**			
		PRODUCTION LEVEL PER UNIT			
DEC.	5				
J-F	10				
MARCH 1-15	10				
MARCH 15-31	5	8712	17424	26136	
APRIL 1-15	5				
APRIL 16-30	5				
MAY 1-15	25	OUT-OF-POCKET COSTS	\$0.77	\$0.38	\$0.26
MAY 16-31	25				
JUNE 1-15	25	TOTAL COSTS	\$0.91	\$0.48	\$0.33
JUNE 16-30	25				
JULY-AUG	5				
SEPT. 1-15	10				
SEPT. 16-30	45				
OCT. - NOV.	5				
TOTAL	205 HOURS				

** Cost considers changes in harvest labor, box and marketing costs.

MACHINE USED:	OPERATING COSTS			FIXED COSTS	
	Hours Used	Per Hour	Total	Per Hour	Total
40 HP tractor and fertilizer spreader	0.2	\$3.18	\$0.64	\$4.61	\$0.92
40 HP tractor and water-wheel planter	5	\$3.81	\$19.05	11.29	\$56.45
40 HP tractor and sprayer	3	\$4.01	\$12.03	\$10.43	\$31.29
40 HP tractor and cultivator	0.5	\$3.12	\$1.56	\$4.45	\$2.23
Mist blower	4	\$0.75	\$3.00	\$6.65	\$26.60
40 HP tractor and rotary mower	0.5	\$3.58	\$1.79	\$5.54	\$2.77
TOTALS	13.2		\$38.07		\$120.26

TOTAL MACHINE COSTS \$158.32