

BEETS & SPINACH
JAN 2000

BEETS & SPINACH

ACRES
1

A-LAND

MANAGEMENT INFORMATION

EXPECTED INCOME**

	PRICE/BU		
	\$7.00	\$12.00	\$17.00
QUANTITY (BU)			
210	\$1,470	\$2,520	\$3,570
250	\$1,750	\$3,000	\$4,250
290	\$2,030	\$3,480	\$4,930

Spinach: needs post-harvest cooling.
For overwintering spinach, seed Vienna Oct. 1 in warmer areas; Sept. 15 in cooler areas.

Irrigation system is recommended.
First-acre irrigation cost is \$2,294. Drip irrigation.

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS
SEEDING COSTS: RYE COVER CROP	BU	2	\$9.00 /BU	\$18.00 (*)
SEEDS	LB	75	\$3.00 /LB	\$225.00
BEETS - Crosby, Ruby Queen, Detroit Dark Red				
SPINACH - Melody, Packer, overwintering Vienna				
FERTILIZER: N	LB	75	\$0.25 /LB	\$18.75
P	LB	100	\$0.24 /LB	\$24.00
K	LB	100	\$0.14 /LB	\$14.00
LIME	TONS	0.5	\$20.00 /TON	\$10.00
SPRAY MATERIALS:				
HERBICIDES				
RO-NEET	QT	0.25	\$63.00 /GAL	\$15.75
INSECTICIDES				
LANATE	PT	1.5	\$52.10 /GAL	\$9.77
DIAZIONN 4E	PT.	0.5	\$5.66 /PT	\$2.83
Bt				
FUNGICIDES				\$0.00
CROP SUPPLIES: 4/5 bu wire-bound wooden crate	CRATE	250	\$1.25 /CRATE	\$312.50 (*)
***SEE (3) FOR ALTERNATIVE HANDLING				
IRRIGATION:	ACRE	\$3,324	20.46%	\$680.00 (*)
MARKETING:				
HAULING & COOLING *	CRATE	250	\$0.25 /CRATE	\$62.50 (*)
MACHINERY & EQUIP. (Fuel, oil, repairs)	\$\$	\$82.87	\$1.00	\$82.87
Operating interest (on above costs except *)	\$\$	\$403	9.50%	\$38.28 (*)
			OPERATING COSTS	\$1,514.25
			OUT-OF-POCKET COST PER CRATE **	\$6.06
FIXED COST:				
LABOR	HRS	147	\$7.00	\$1,029.00
TOTAL FIXED MACHINE COSTS	\$\$	\$217.51	\$1.00	\$217.51
TOTAL FIXED BUILDING COSTS (DEP., INT., INS., & TAXES)	\$\$	\$0.00	0.00%	\$0.00
LAND CHARGE	\$\$	\$800.00	8.00%	\$64.00
			TOTAL COSTS	\$2,824.76
			TOTAL COSTS PER CRATE **	\$11.30

** Based on 250-crate production. Various costs of production are listed on the next page.

Beets & Spinach (continued)

Beets and Spinach

LABOR REQUIRED	HOURS/SEASON	EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION **		
D-J-F	0			
M-A-MAY 15	9		PRODUCTION LEVEL PER UNIT	
MAY 16-31	2	-		
JUNE 1-15	3		210	250
JUNE 16-30	3			290
JULY 1-15	3	OUT-OF-POCKET COSTS	\$6.93	\$6.06
JULY 16-31	9			\$5.43
AUGUST 1-15	50	TOTAL COSTS	\$12.19	\$11.30
AUGUST 16-31	50			\$10.66
SEPT. 1-15	0	** Cost considers changes in harvest labor, box and marketing costs.		
SEPT. 16-30	0			
OCT. - NOV.	18			
TOTAL	147 HOURS			

MACHINE USED:	OPERATING COSTS			FIXED COSTS	
	Hours Used	Per Hour	Total	Per Hour	Total
40 HP tractor and plow	1	\$4.47	\$4.47	\$7.74	\$7.74
40 HP tractor and disc	0.5	\$4.67	\$2.34	\$13.52	\$6.76
40 HP tractor and harrow	0.3	\$3.30	\$0.99	\$6.89	\$2.07
40 HP tractor and fertilizer spreader	0.2	\$3.18	\$0.64	\$4.61	\$0.92
40 HP tractor and sprayer	1	\$4.01	\$4.01	\$10.43	\$10.43
40 HP tractor and planter	2	\$4.09	\$8.18	\$12.22	\$24.44
Pick-up truck	15	\$3.85	\$57.75	\$8.35	\$125.25
Mist blower	6	\$0.75	\$4.50	\$6.65	\$39.90
TOTALS	26		\$82.87		\$217.51
TOTAL MACHINE COSTS					\$300.38

***Beets are best grown as a fall-harvested, direct field seeded crop. Beet harvest: Nov. 1-15. Harvest labor: 100 hrs/acre.

***Spinach is best grown as a fall-harvested, direct field seed crop. Spinach harvest: Oct. 15-30. Harvest labor: 100 hrs/acre.

LABOR REQUIRED	HRS/TASK	
JULY 15-30	9	LAND PREPARATION
AUG. 1-15	5	FIELD SEEDING
SEPT. 1-15	60	HAND HOE
OCT. 15-30	100	HAND HARVEST SPINACH
NOV. 1-15	100	HAND HARVEST BEETS
TOTAL LABOR:	174 HOURS/ACRE	