

FALL SINGLE-STALK BROCCOLI CROWNS
LOCAL MARKET
LARGE HEAD PRECOOLED

JAN 2000
A-LAND

MANAGEMENT INFORMATION **

EXPECTED INCOME**

	PRICE/BOX		
	\$7.00	\$9.00	\$12.00
QUANTITY (BOXES)			
500	\$3,500	\$4,500	\$6,000
700	\$4,900	\$6,300	\$8,400
900	\$6,300	\$8,100	\$10,800

Not recommended unless irrigation is available!
Shaded, seed plant bed or plug trays by June 20 for fall crop; 2nd bed by 6/1.
Transplant (spacing 1' x 3'-15000 PLT/AC) by Aug. 1; 2nd by 8/10.
Use Diazinon in transplant water (root maggot). Request soil test to include micro nutrients. Beginning Aug. 20, sidedress 2 times (at three-week intervals) with 15% calcium nitrate or 15-0-14. Harvest begins in early October. Volume marketing requires proper precooling (see Table 1). Estimated cost of precooling: \$0.25/box. Consider no-til with rye and hairy vetch. Irrigation system is solid-set sprinkler system or drip irrigation system. First-acre irrigation cost: solid set , \$3,324; drip, \$2,294. See budgets: solid set or drip .

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS
SEEDING COSTS: Vetch and rye cover crop	BU	2	\$9.00 /BU	\$18.00 (*)
SEEDS: PACKMAN PREMIUM CROP (MTNS)	PLT	15000	\$0.03 /PLT	\$450.00
FERTILIZER:				
N	LB	100	\$0.28 /LB	\$28.00
P	LB	100	\$0.25 /LB	\$25.00
K	LB	100	\$0.14 /LB	\$14.00
BORON	LB	1	\$0.00 /LB	\$0.00
LIME	TONS	0.5	\$20.00 /TON	\$10.00
SPRAY MATERIALS:				
HERBICIDES: DEVRINOL 50W	LB	1.5	\$8.90 /LB	\$13.35
Goal - surface apply before transplanting	PT	2	\$4.45 /PT	\$8.90
INSECTICIDES: ASANA XL	OZ	80	\$117.00 /GAL	\$73.13
DIAZINON 4EC	QT	2	\$27.61 /GAL	\$13.81
Bt				
SIDEDRESS: 15-0-14 or 15-0-0 (calinitrate)***	LB	300	\$0.16 /LB	\$48.00
CROP SUPPLIES: BOXES (20 LBS)	Boxes	700	\$1.10 /BOX	\$770.00 (*)
HARVEST KNIVES	EA	4	\$4.00 /KN	\$16.00
IRRIGATION:	ACRE	\$2,294	20.46%	\$469.29 (*)
MARKETING:				
HAULING & COOLING	BOXES	700	\$1.00 /BOX	\$700.00 (*)
MACHINERY & EQUIP. (Fuel, oil, repairs)	\$\$	\$88.84	\$1.00	\$88.84
OPERATING INTEREST (on above costs except *)	\$\$	\$789	7.50%	\$59.18 (*)
			OPERATING COSTS	\$2,805.49
			OUT-OF-POCKET COST PER BOX **	\$4.01
FIXED COST:				
LABOR	HRS	201	\$7.00	\$1,407.00
TOTAL FIXED MACHINE COSTS	\$\$	\$204.88	\$1.00	\$204.88
TOTAL FIXED BUILDING COSTS (DEP., INT., INS., & TAXES)	\$\$	\$0.00	0.00%	\$0.00
LAND CHARGE	\$\$	\$800.00	8.00%	\$64.00
			TOTAL COSTS	\$4,481.37
			TOTAL COSTS PER BOX **	\$6.40

* If no-til with rye and vetch, reduce N to 75 lbs.

** Based on 700-box production. Various costs of production are listed on the next page.

*** Not needed if no-til with rye and vetch.

LABOR REQUIRED	HOURS/SEASON	EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**			
		PRODUCTION LEVEL PER UNIT			
		500	700	900	
D-J-F	0				
M-A-MAY 15	0				
MAY 16-31	0				
JUNE 1-15	0				
JUNE 16-30	0				
JULY 1-15	3	OUT-OF-POCKET COSTS	\$4.77	\$4.01	\$3.58
JULY 16-31	0				
AUGUST 1-15	22	TOTAL COSTS	\$7.42	\$6.40	\$5.84
AUGUST 16-31	4				
SEPT. 1-15	4	** Cost considers changes in harvest labor, box and marketing costs.			
SEPT. 16-30	8				
OCT. - NOV.	160				
TOTAL	201 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	\$4.16	\$0.83
40 HP tractor and sprayer	2	4.01	\$8.02	\$10.43	\$20.86
40 HP tractor and cultivator	1.5	4.09	\$6.14	\$12.22	\$18.33
Pick-up truck	14	3.85	\$53.90	\$8.35	\$116.90
40 HP tractor and transplanter	3.5	3.53	\$12.36	\$8.97	\$31.40
TOTALS	23		\$88.84		\$204.88
			TOTAL MACHINE COSTS		\$293.73