

WINSQUASH
 JAN 2000
 A-LAND

WINTER SQUASH

Acres 1

EXPECTED INCOME **

	PRICE/1 & 1/9 BUSHEL		
	\$4.50	\$5.50	\$6.50
QUANTITY (1 & 1/9 BUSHEL)			
300	\$1,350	\$1,650	\$1,950
400	\$1,800	\$2,200	\$2,600
500	\$2,250	\$2,750	\$3,250

MANAGEMENT INFORMATION **

Plant on a 2' x 6' spacing - 3,530 plants per acre. Drop two seeds for every spacing. One bee hive per acre near squash necessary for consistent yields. Crop stores well at 34 - 40 deg. F for late sales. Do not freeze! Acorn squash will store for only five weeks. Irrigation system is a solid-set sprinkler system (budget #42). First-acre irrigation cost is \$3,324. Budgets available upon request.

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS
SEEDING COSTS: Rye cover crop	BU	2	\$9.00/BU	\$18.00 (*)
SEEDS Table Queen, Table Ace (Acorn)	LB	3	\$16.00/LB	\$48.00
				Waltham (butternut)
FERTILIZER: N	LB	100	\$0.34/LB	\$34.00
P	LB	100	\$0.32/LB	\$32.00
K	LB	150	\$0.17/LB	\$25.50
LIME	TONS	0.5	\$20.00/TON	\$10.00
SPRAY MATERIALS:				
HERBICIDES: Command 4EC	OZ	6	\$72.80/GAL	\$3.41
				(caution: avoid drift)
INSECTICIDES: Thiodan 50WP (3)	LB	1.5	\$7.20/LB	\$10.80
	OZ	24	\$117.00/GAL	\$21.94
FUNGICIDES: Ridomil/Bravo 81WP	LBS	8	\$16.56/LB	\$132.48
	OZ	12	\$331.00/GAL	\$31.03
	OZ	4.5	\$10.00/OZ	\$45.00
CROP SUPPLIES: Boxes (1 & 1/9 bushel)	BOXES	400	\$1.35/BOX	\$540.00 (*)
IRRIGATION:	ACRE	\$3,324	20.46%	\$680.00 (*)
MARKETING:				
HAULING AND GRADING *	BOXES	400	\$1.20/BOX	\$480.00 (*)
MACHINERY & EQUIP. (Fuel, oil, repairs)	\$\$	\$89.24	\$1.00	\$89.24
Operating interest (on above costs except *)	\$\$	\$438	7.50%	\$32.88 (*)
			OPERATING COSTS	\$2,234.28
			OUT-OF-POCKET COST PER BOX **	\$5.59
FIXED COST:				
LABOR	HRS	113	\$7.00	\$791.00
TOTAL FIXED MACHINE COSTS	\$\$	\$244.72	\$1.00	\$244.72
TOTAL FIXED BUILDING COSTS	\$\$	\$0.00	0.00%	\$0.00
(DEP., INT., INS., & TAXES)				
LAND CHARGE	\$\$	\$800.00	8.00%	\$64.00
			TOTAL COSTS	\$3,334.00
			TOTAL COSTS PER BOX **	\$8.34

** Based on 400-box production. Various costs of production are listed on the next page.

<u>LABOR REQUIRED</u>	<u>HOURS/SEASON</u>	<u>EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**</u>		
D-J-F	0			
M-A-MAY 15	0	PRODUCTION LEVEL PER UNIT		
MAY 16-31	5			
JUNE 1-15	12	300	400	500
JUNE 16-30	3			
JULY 1-15	3	OUT-OF-POCKET COSTS		
JULY 16-31	3	\$6.60	\$5.59	\$4.98
AUGUST 1-15	3	<hr/>		
AUGUST 16-31	3	TOTAL COSTS		
SEPT. 1-15	3	\$9.87	\$8.34	\$7.42
SEPT. 16-30	43			
OCT. - NOV.	35			
<hr/>				
TOTAL	113 HOURS			

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

<u>MACHINE USED:</u>	<u>OPERATING COSTS</u>			<u>FIXED COSTS</u>	
	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
Pickup truck	18	\$3.85	\$69.30	\$8.35	\$150.30
Mist blower	10	\$0.75	\$7.50	\$6.65	\$66.50
<hr/>					
TOTALS	31		\$89.24		\$244.72
					TOTAL MACHINE COSTS
					\$333.96