

HRADISH
 JAN 2000
 A-LAND

HORSERADISH

MANAGEMENT INFORMATION **

EXPECTED INCOME**

	PRICE/LB		
	\$0.25	\$0.30	\$0.40
QUANTITY (LB)			
4000	\$1,000	\$1,200	\$1,600
4500	\$1,125	\$1,350	\$1,800
5500	\$1,375	\$1,650	\$2,200

Plant 9700 root cuttings. Irrigation system is a solid-set sprinkler system (budget #42). First-acre irrigation cost is \$3,324. Budgets available upon request. Locate a volume processor market and obtain binding contract before planting root stock.. Must be advance contract ordered. After first year, cuttings are saved in fall for replanting. Deep loam or sandy loam; well-drained soil preferred. Space 24" between plants in 30" rows. Root cuttings 0.5" to 0.75" in diameter and 8" to 14" in length. Slant cut the top and flat cut the bottom. Bundling if necessary. -requires 6.0-6.5 pH. Must remove all of green top and deliver within 2 wks. Roots will desiccate and are unacceptable if they go through "heat." Establishment costs of root stock is \$0.45/lb or about \$200/acre.

VARIABLE COSTS:		UNITS	QUANTITY	PRICE	COSTS
SEEDING COSTS:	Rye cover crop	BU	2	\$9.00/BU	\$18.00 (*)
ROOT STOCK	Eastern - Swiss	RSTK	9700	\$0.02/RSTK	\$194.00
FERTILIZER: N		LB	100	\$0.28 /LB	\$28.00
	P	LB	150	\$0.25 /LB	\$37.50
	K	LB	150	\$0.14 /LB	\$21.00
LIME		TONS	2	\$20.00 /TON	\$40.00
SPRAY MATERIALS:					
HERBICIDES					
	Roundup (mid-Sept., directed spray)	GAL	0.5	\$41.69 /GAL	\$20.85
	GOAL	PT	2.5	\$96.31 /GAL	\$30.10
INSECTICIDES	SEVIN (3)	LB	3	\$5.04 /LB	\$15.12
	LANNATE	PT	1.5	\$52.10 /GAL	\$9.77
SIDEDRESS N:	Early September	LB	30	\$0.28 /LB	\$8.40
	Boron (12% actual boron in borax)	LB	25	\$0.30 /LB	\$7.50
CROP SUPPLIES:	CRATES	CRTES	80	\$1.35 /CRATE	\$108.00 (*)
IRRIGATION:		ACRE	\$3,324	20.46%	\$680.00 (*)
MARKETING:					
	HAULING TO BALTIMORE *	TON	2	\$30.00 /TON	\$60.00 (*)
MACHINERY & EQUIP. (Fuel, oil, repairs)		\$\$	\$109.40	\$1.00	\$109.40
Operating interest (on above costs except *)		\$\$	\$622	7.50%	\$46.66 (*)
					OPERATING COSTS
					OUT-OF-POCKET COST PER POUND **
					\$0.32
FIXED COST:					
LABOR		HRS	169	\$7.00	\$1,183.00
TOTAL FIXED MACHINE COSTS		\$\$	\$282.86	\$1.00	\$282.86
TOTAL FIXED BUILDING COSTS (DEP., INT., INS., & TAXES)		\$\$	\$0.00	0.00%	\$0.00
LAND CHARGE		\$\$	\$800.00	8.00%	\$64.00
					TOTAL COSTS
					\$2,964.15
					TOTAL COSTS PER POUND**
					\$0.66

** Based on 4500-pound production. Various costs of production are listed on the next page.

HRADISH (continued)

HORSERADISH

LABOR REQUIRED	HOURS/SEASON	EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**			
		PRODUCTION LEVEL PER UNIT			
D-J-F	0				
M-A-MAY 15	50				
MAY 16-31	7				
JUNE 1-15	6	4000	4500	5500	
JUNE 16-30	7				
JULY 1-15	6				
JULY 16-31	7				
AUGUST 1-15	6				
AUGUST 16-31	7				
SEPT. 1-15	6				
SEPT. 16-30	7				
OCT. - NOV.	60				
TOTAL	169 HOURS				
		OUT-OF-POCKET COSTS	\$0.36	\$0.32	\$0.26
		TOTAL COSTS	\$0.67	\$0.66	\$0.59

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

MACHINE USED:	Hours Used	OPERATING COSTS		FIXED COSTS	
		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	2.5	\$4.01	\$10.03	\$10.43	\$26.08
40 HP tractor and cultivator	3	\$4.09	\$12.27	\$4.45	\$13.35
Pick-up truck	10	\$3.85	\$38.50	\$8.35	\$83.50
40 HP tractor and transplanter	2	\$3.53	\$7.06	\$8.87	\$17.74
60 HP tractor and modified carrot digger	1.25	\$16.70	\$20.88	\$85.30	\$106.63
40 HP tractor and wagon	4	\$3.06	\$12.24	\$4.52	\$18.08
TOTALS	24.75		\$109.40		\$282.86
			TOTAL MACHINE COSTS		\$392.26