

POTATO - CHIPPING  
 JAN 2000  
 A-LAND

IRISH POTATOES  
 (CHIPPING)

MANAGEMENT INFORMATION \*\*

EXPECTED GROSS INCOME\*\*

	PRICE/CWT		
	\$5.00	\$6.50	\$8.00
QUANTITY (CWT)			
170	\$850	\$1,105	\$1,360
220	\$1,100	\$1,430	\$1,760
270	\$1,350	\$1,755	\$2,160

Soil fertility: very high levels of potash required.  
 Fertilizer: sidedress one-third; band two-thirds.  
 Harvest: mechanically harvested for chipping. One-row  
 Dahlman harvester (owned by four producers). Use bulk bins.  
 2-ton truck included for hauling bins.  
 Irrigation system is a solid-set sprinkler system (budget #42).  
 First-acre irrigation material cost is \$3,324. Budgets available  
 upon request. No potato storage costs included.

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS	
SEEDING COSTS:	Rye cover crop	BU	2	\$9.00 /BU	\$18.00 (*)
SEEDS	Atlantic	LB	1400	\$0.12 /LB	\$168.00
	Trial Snowden				
FERTILIZER: N		LB	100	\$0.28 /LB	\$28.00
	P	LB	200	\$0.24 /LB	\$48.00
	K	LB	200	\$0.14 /LB	\$28.00
LIME		TONS	0.5	\$20.00/TON	\$10.00
SPRAY MATERIALS:					
HERBICIDES:	SENCOR 75DF or	LB	0.60	\$20.13 /LB	\$12.08
	DUEL	PT	1	\$8.75 /PT	\$8.75
INSECTICIDES:	Pounce, Ambush, or Asana(4)	QT	1	\$117.00/GAL	\$29.25
	DI-SYSTON 15G	LB	17	\$1.89 /LB	\$32.13
	ADMIRE for CPB	FL OZ	1.3	77.00/PT	\$6.26
	Bt for CPB				
FUNGICIDES:	BRAVO 720 (4)	GAL	1	\$59.11/GAL	\$59.11
	Captan 7.5% dust (seed piece dust)	LB	18	\$0.95 /LB	\$17.10
CROP SUPPLIES:					(*)
IRRIGATION:		ACRE	\$3,324	20.46%	\$680.00 (*)
MARKETING:					(*)
MACHINERY & EQUIP. (Fuel, oil, repairs)		\$\$	\$118.84	\$1.00	\$118.84
Operating interest (on above costs except *)		\$\$	\$566	7.50%	\$42.41 (*)
OPERATING COSTS					\$1,305.93
OUT-OF-POCKET COST PER CWT **					\$5.94
FIXED COST:					
LABOR		HRS	50	\$7.00	\$350.00
TOTAL FIXED MACHINE COSTS		\$\$	\$342.42	\$1.00	\$342.42
TOTAL BIN COSTS		\$\$	\$750.00	10.00%	\$75.00
(DEP., INT., INS., & TAXES)					
LAND CHARGE		\$\$	\$800.00	8.00%	\$64.00
TOTAL COSTS					\$2,062.35
TOTAL COSTS PER CWT **					\$9.37

\* M-trak, Novodor, Raven.

\*\* Based on 220-box production. Various costs of production are listed on the next page.

## SPUDS (continued)

## IRISH POTATOES

<u>LABOR REQUIRED</u>	<u>HOURS/SEASON</u>	<u>EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**</u>		
D-J-F	0	<u>PRODUCTION LEVEL PER UNIT</u>		
M-A-MAY 15	29			
MAY 16-31	2	170	220	270
JUNE 1-15	2	<u>OUT-OF-POCKET COSTS</u>		
JUNE 16-30	2	\$7.68	\$5.94	\$4.84
JULY 1-15	2	<u>TOTAL COSTS</u>		
JULY 16-31	0	\$11.82	\$9.37	\$7.83
AUGUST 1-15	0	**Cost considers changes in harvest labor, box and marketing costs.		
AUGUST 16-31	0			
SEPT. 1-15	11			
SEPT. 16-30	0			
OCT. - NOV.	2			
<b>TOTAL</b>	<b>50 HOURS</b>			

<u>MACHINE USED:</u>	<u>OPERATING COSTS</u>			<u>FIXED COSTS</u>	
	<u>Hours Used</u>	<u>Per Hour</u>	<u>Total</u>	<u>Per Hour</u>	<u>Total</u>
40 HP tractor and plow	2	\$4.47	\$8.94	\$7.74	\$15.48
40 HP tractor and disc	1	\$4.67	\$2.34	\$13.52	\$6.76
40 HP tractor and harrow	0	\$3.30	\$0.99	\$6.89	\$2.07
40 HP tractor and fertilizer spreader	0	\$3.18	\$0.64	\$4.61	\$0.92
40 HP tractor and sprayer	2	\$4.01	\$8.02	\$10.43	\$20.86
40 HP tractor and planter	3	\$3.53	\$10.59	\$8.97	\$26.91
40 HP tractor and cultivator	1	\$3.12	\$3.12	\$4.45	\$4.45
Mist blower	8	\$0.75	\$6.00	\$6.65	\$53.20
40 HP tractor and one-row Dahlman hrvstr	3	\$4.67	\$14.01	\$13.52	\$40.56
2-ton truck	10	\$6.42	\$64.20	\$25.68	\$171.21
<b>TOTALS</b>	<b>30</b>		<b>\$118.84</b>		<b>\$342.42</b>
<b>TOTAL MACHINE COSTS</b>					<b>\$461.26</b>