

PUMPKIN NT
JAN 2000

HALLOWEEN PUMPKINS No-Till
4' x 8' SPACING; 1,361 PLANTS/ACRE

Acres 1

A-LAND

EXPECTED INCOME**

	PRICE/PUMPKIN		
	\$1.50	\$2.00	\$2.50
QUANTITY(PUMPKIN): 15-20 lbs. each (avg. 17 lbs.)			
1850	\$2,775	\$3,700	\$4,625
2050	\$3,075	\$4,100	\$5,125
2250	\$3,375	\$4,500	\$5,625

Spookie 4# size - \$.50 each

Jack-Be-Little, 1/3 # size - \$.25 - \$.30 each.

MANAGEMENT INFORMATION **

Locate a market before you plant!

4' x 8' spacing (consider 3' x 7' spacing). Plant on fertile vetch/smallgrain cover. Rotate fields to reduce diseases and insect damage to vines and fruits. For trial: twin rows (2) 4' apart, 32' in-row between plants, twin rows on 12' centers. Serious pumpkin production recommended only with irrigation. Apply fungicides weekly as a protectant. Establish spray lanes early so tractor wheels will prune vines. Smallgrain or vetch or a well-clipped unused pasture or sod land, suitable for no-till. No-till corn planter with pumpkin seed plate. Sprinkler irrigation 1/2 inch or rainfall needed to activate command with curbit applied after seeding. Drip irrigation system. First-acre irrigation cost: \$2294.

Varieties: Jack Be Little, baseball size; Spookie, softball size; Mystic, Youngs Beauty, volleyball size. Howden, Gold Rush (Merlin and Magic Lantern powdery mildew resistant) basketball size; prize winner F1, monstrous beach ball size. Seed June 1-5. If in North, West or Southwest, start prizewinner in greenhouse. Need 130 frost-free days for prizewinner.

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS	Seeding Costs: Rye or	
wheat with vetch cover crop		BU	2	\$9.00 /BU	\$18.00 (*)	
SEEDS (see management information)		LB	2	\$40.00 /LB	\$80.00	
FERTILIZER:						
N (no N needed after heavy vetch)		LB	50	\$0.28 /LB	\$14.00	
P		LB	100	\$0.25 /LB	\$25.00	
K		LB	150	\$0.14 /LB	\$21.00	
LIME		TONS	0.5	\$20.00 /TON	\$10.00	
SPRAY MATERIALS:						
HERBICIDES:						
Preplant - Roundup Ultra on cover crop		QT	2	41.44/GAL	\$20.72	
After seeding before emergence.						
mix comand plus		PT	0.5	10/PT	\$5.00	
CURBIT		PT	3	4.75/PT	\$14.25	
(CAUTION: Avoid Drift)						
INSECTICIDES:						
ASANA		OZ	8	\$1.40/OZ	\$11.20	
FUNGICIDES:Ridomil/Bravo 81WP		LBS	8.00	\$16.56 /LB	\$132.48	
QUADRI		OZ	14	\$330.00 /GAL	\$36.09	
FLINT (3)		OZ	6	\$10.00 /OZ	\$60.00	
CROP SUPPLIES:	BINS	EA	60	\$8.65/EA	\$519.00	
IRRIGATION:		ACRE	\$2,294	20.46%	\$469.29 (*)	
MARKETING:						
HAULING AND GRADING * LOADS		6	\$75.00 /LD	\$450.00 (*)		
MACHINERY & EQUIP. (Fuel, oil, repairs)		\$\$	\$101.00	\$1.00	\$101.00	
Operating interest (on above costs except *)		\$\$	\$990	10.00%	\$98.97 (*)	
					OPERATING COSTS	\$2,086.01
OUT-OF-POCKET COST PER PUMPKIN					\$1.02 EACH	

PUMPKINS NO-TILL (continued)

PUMPKINS

COST /LB 2,050 x 17 =	\$0.06 /LB			
FIXED COST: LABOR	HRS	90	\$7.00	\$630.00
TOTAL FIXED MACHINE COSTS			\$379.25	\$1.00
TOTAL FIXED BUILDING COSTS (DEP., INT., INS., & TAXES)			\$0.00	0.00%
LAND CHARGE			\$800.00	8.00%
				\$64.00
				TOTAL COSTS
				\$3,159.26
				TOTAL COSTS PER PUMPKIN **
				\$1.54
				COST/LB
				2,050 x 17
				\$0.09

** Based on 2050-pumpkin production (avg. wt., 17 lbs.). Various costs of production are listed on the next page.

LABOR REQUIRED	HOURS/SEASON	EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**		
D-J-F	0			
M-A-MAY 15	7		PRODUCTION LEVEL PER UNIT	
MAY 16-31	16			
JUNE 1-15	0		1850	2050
JUNE 16-30	4			2250
JULY 1-15	5	OUT-OF-POCKET COSTS	\$1.09	\$1.02
JULY 16-31	5			\$0.96
AUGUST 1-15	5	TOTAL COSTS	\$1.62	\$1.54
AUGUST 16-31	5			\$1.48
SEPT. 1-15	4	**Cost considers changes in harvest labor, box and marketing costs.		
SEPT. 16-30	25			
OCT. - NOV.	18			
TOTAL	94 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 cultivator		1	\$3.12	\$3.12	\$4.45
\$4.45 Mist blower		16	\$0.75	\$12.00	\$6.65
\$106.40 40 HP tractor and wagon or trailer		24	\$3.06	\$73.44	\$10.02
\$240.48					
TOTALS	44		\$101.00		\$379.25
TOTAL MACHINE COSTS					\$480.25