



## STAKED TOMATOES GREEN PACK

**1993**

**OSU  
Farm  
Management  
Extension**

**Prepared by  
Gary Schnitkey**

**Acrobat  
Conversion by  
Tim Rhodus**

ITEM	EXPLANATION	PRICE PER UNIT	YIELD/ACRE (Boxes/A)		
			800	1200	1600
<b>RECEIPTS</b>					
		\$8.00 /box 2/	\$6,400.00	\$9,600.00	\$12,800.00
<b>VARIABLE COSTS</b>					
Plants 3/	4350 plants/A	\$0.04 /plant	174.00	174.00	174.00
Fertilizer 4/					
Starter(10-34-0)	5 gal.	\$1.23 /gal.	6.00	6.00	6.00
N	175 lbs.	\$0.25 /lb.	44.00	44.00	44.00
P2O5	50 lbs.	\$0.20 /lb.	10.00	10.00	10.00
K2O	80 lbs.	\$0.12 /lb.	10.00	10.00	10.00
Lime	1000 lbs.	\$13.50 /T.	7.00	7.00	7.00
Chemicals					
Herbicides					
Treflan	0.25 gal.	\$30.00 /gal.	8.00	8.00	8.00
Sencor/Lexone	0.33 lbs.	\$23.00 /lb.	8.00	8.00	8.00
Amiben (granular)	33 lbs.	\$0.00 /lb.	0.00	0.00	0.00
Poast	0.18 gal.	\$109.00 /gal	20.00	20.00	20.00
Dyrene	12 lbs.	\$5.20 /lb.	62.00	62.00	62.00
Bravo	3.50 gal.	\$45.00 /gal.	158.00	158.00	158.00
Benlate	11.0 lbs.	\$16.00 /lb.	176.00	176.00	176.00
Copper	4.0 gal.	\$10.00 /gal.	40.00	40.00	40.00
Sevin	6.25 lbs.	\$3.50 /lb.	22.00	22.00	22.00
Cygon	0.12 gal.	\$31.00 /gal.	4.00	4.00	4.00
Asana	6 oz.	\$92.40 /gal.	4.00	4.00	4.00
Hired Lbr(hr)5/	735 895 1055	\$6.00 /hr.	4410.00	5370.00	6330.00
Hail Insurance			100.00	100.00	100.00
Transportation 6/		\$0.06 /box	48.00	72.00	96.00
Fuel, Oil, Grease			40.00	40.00	40.00
Custom Spraying	10 sprays	\$5.50 /A	55.00	55.00	55.00
Twine			30.00	30.00	30.00
Packing		\$2.30 /box	1840.00	2760.00	3680.00
Repairs			30.00	30.00	30.00
Miscellaneous			20.00	20.00	20.00
Int. on Oper. Cap. 7/	5 mo.	10%	153.00	192.00	232.00
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<b>TOTAL VARIABLE COSTS - Per Acre</b>			7479.00	9422.00	11366.00
<b>- Per box</b>			9.35	7.85	7.10
<b>FIXED COSTS</b>					
Lbr Charge(hr)	15 20 25	\$7.00 /hr.	105.00	140.00	175.00
Stakes 8/			110.00	110.00	110.00
Mach. & Equip. Charge 9/			250.00	250.00	250.00
Land Charge 10/	Rent		100.00	150.00	200.00
Management Charge	5% of Gross		320.00	480.00	640.00
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<b>TOTAL FIXED COSTS</b>			885.00	1130.00	1375.00
<b>TOTAL COSTS - Per Acre</b>			\$8,364.00	\$10,552.00	\$12,741.00
<b>- Per Box</b>			10.46	8.79	7.96
<b>RETURN ABOVE VARIABLE COSTS</b>			-1079.00	178.00	1434.00
<b>RETURN ABOVE TOTAL COSTS</b>			(\$1,964.00)	(\$952.00)	\$59.00



## NOTES FOR STAKED TOMATOES

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1/ Yield is expressed in 25-pound boxes per acre. Gross (picked) yields would be about 12, 18, and 24 tons per acre. 83% of gross yield is harvested; 17% is cull fruit. Marketed yields are 10 tons (800 boxes), 15 tons (1200 boxes), and 20 tons (1600 boxes).

2/ \$.32/lb. equates to \$8.00 per 25-pound box. Green pack tomatoes are sold based on 3 grades and 3 sizes. The price per box can vary greatly depending on the market, the grade, and the size.

3/ Two basic plant spacings are usually used. They are 24 inches x 5 feet = 4356 plants per acre, and 30 inches x 5 feet = 3485 plants per acre. Sunny speedling plants cost about \$40/1000.

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4/ The fertilizer is based on the following soil test; pH=6.8, PI=90, K20 = 350, C.E.C. = 15, O.M. = 3%. All growers would broadcast fertilizer and use fertilizer in planter water. Most growers sidedress fertilizer. All growers foliar feed to some extent. It varies from 1 to 12 applications. The average is about 3 applications.

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5/ The hired labor per acre is figured as follows:

Planting	30	30	30
Staking	50	50	50
Tieing (3 1/2 times)	85	85	85
Pruning	75	75	75
Hoeing	75	75	75
Harvesting (\$.40/box)	320	480	640
Burning twine/pulling stakes	100	100	100
Total Hours	735	895	1055

6/ Transportation is figured on gross tons to the packing house (i.e., 12, 14.5, and 17 tons per acre respectively).

7/ Based on 1/2 of total variable expenses for 5 mos. at 10%.

8/ Based on 3-year life expectancy.

9/ Does not include irrigation equipment.

10/ Land rent varies widely and specialty crop land rent may not be influenced by economic conditions as rapidly as general crop cash rents.