Sweet Potato - 2023

ESTIMATED COSTS PER ACRE,		Covington			
		Yeild (BU/Ac.):			
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS		Yield	Price/BU		
Sweet Potato GRADE	BU. 50lbs				
# 1's	BU.	335.00	\$10.00	\$3,350.00	
Lower Grade	BU.	155.00	\$5.00	\$775.00	
Average Price per Bushel	BU		\$8.25		
TOTAL RECEIPTS:				\$4,125.00	
2. VARIABLE COSTS					
PLANTS / SLIPS	LBS	12.50	\$40.00	\$500.00	
FERTILIZER					
24S LIQUID	LBS	80.00	\$1.43	\$114.40	
PHOSPHATE (0-46-0)	LBS	57.50	\$0.46	\$26.45	
POTASH (0-0-60)	LBS	160.00	\$0.51	\$81.60	
LIME (PRORATED) PESTICIDE	TON	0.33	\$57.00	\$18.81	
MULTIPURPOSE FUMIGATION	PER ACRE	1.00	\$180.00		
HERBICIDES	PER ACRE	1.00	\$68.36	\$68.36	
NEMATACIDES	PER ACRE	1.00	\$375.00	\$375.00	
INSECTICIDES	PER ACRE	1.00	\$59.10	\$59.10	
TRACTOR/MACHINERY	PER ACRE	1.00	\$62.48		
SCOUTING	PER ACRE	1.00	\$20.00		
LABOR				+	
TRANSPLANT	HRS	10.00	\$14.91	\$149.10	
HAND WEEDING	HRS	2.00	\$14.91	\$29.82	
TRACTOR/MACHINERY	HRS	7.81	\$14.91		
HARVEST COST	BUSHEL	490.00	\$1.65		
STORAGE	BUSHEL	490.00	\$1.10	\$500.00	
	PER ACRE				
		1.00	\$50.00		
INTEREST ON OP. CAP.	DOL.	\$1,580.04	8.0%	\$126.40	
TOTAL VARIABLE COSTS:				\$3,286.47	
3. INCOME ABOVE VARIABLE COSTS:				\$838.53	
4. FIXED COSTS TRACTOR/MACHINERY	PER ACRE	1.00	\$109.13	\$109.13	
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TOTAL FIXED COSTS:				\$109.13	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$3.286.47	0.7%	\$23.01	
	001	φ0,200. H	0.170	¢20.01	
TOTAL OTHER COSTS:				\$23.01	
6. TOTAL COSTS:				\$3,418.61	
7. NET RETURNS TO LAND, RISK, AND MA	NAGEMENT:			\$706.39	
BREAK-EVEN YIELD		BREAK	-EVEN PRICE		
VARIABLE COSTS 390 BU.	9.8 Bins		BLE COSTS	\$6.71 per BU.	\$268.28 / Bin
TOTAL COSTS 406 BU.	10.2 Bins		L COSTS	\$6.98 per BU.	\$279.07 / Bir
	Billo	1017		+0.00 por BO.	

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

Notes: N based on 2019 SE Vegetable Handbook. P & K based on Eastern NC removal rates. Assuming 500/lb acre yield with packout of 67% #1 Grade, 30% Lower Grade, and 3% Culls. Interest on operating capital assumes an average loan length of 6 months.

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MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
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4,9	HEAVY DISK 16'	3.00	0.43	0.36	\$13.68	\$21.24
5	DISK W/ SPRAYER 21'	1.00	0.14	0.12	\$3.40	\$5.32
5	SUBSOILER-BEDDER 8-ROW	1.00	0.14	0.12	\$6.83	\$12.54
5	TOBACCO BED SHAPER 4-ROW	1.00	0.19	0.16	\$1.84	\$1.85
5	POTATO PLANTER (SWEET)	1.00	0.47	0.39	\$6.32	\$11.20
5,5,6	CULTIVATOR 4-ROW	3.00	0.83	0.69	\$10.86	\$13.08
6	TRACTOR MTD SPRAYER 90FT	4.00	0.14	0.12	\$5.44	\$16.64
8	ROTARY MOWER 14'	1.00	0.18	0.15	\$1.70	\$2.16
8	POTATO DIGGER (SWEET)	1.00	0.95	0.79	\$12.41	\$25.10
PER ACE	RE TOTALS FOR					
SELECTED OPERATIONS			3.47	2.90	\$62.48	\$109.13
UNALLO	CATED LABOR(HRS./AC.)		4.34			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES								
YIELD	ELD PRICE (\$/BU.)		YIELD	PRICE (\$/Bin)				
BU. / Ac.	\$5.00	\$8.00	\$11.00	Bins / Ac.	\$200.00	\$320.00	\$440.00	
300	-\$1,786.47	-\$886.47	\$13.53	15	-\$286.47	\$1,513.53	\$3,313.53	
400	-\$1,286.47	-\$86.47	\$1,113.53	20	\$713.53	\$3,113.53	\$5,513.53	
500	-\$786.47	\$713.53	\$2,213.53	25	\$1,713.53	\$4,713.53	\$7,713.53	
600	-\$286.47	\$1,513.53	\$3,313.53	30	\$2,713.53	\$6,313.53	\$9,913.53	
700	\$213.53	\$2,313.53	\$4,413.53	35	\$3,713.53	\$7,913.53	\$12,113.53	

Note: 1 Bin = 40 Bushels

		UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
MULTIPUR	POSE FUMIGATION:					
	dichloropropene (Telone II)	GAL	9.00	\$20.00	\$180.00	MAY
HERBICID	ES:					
1	flumioxazin (Valor)	OZ	3.00	\$5.86	\$17.58	MAY
	clomazone (Command)	PT	2.50	\$20.31	\$50.78	MAY
1	metolachlor (Dual II)	PT	0.75	\$21.09	\$15.82	MAY
INSECTICI	DES					
	bifenthrin	OZ	28.00	\$1.03	\$28.95	MAY, JUNE
	chlorpyrifos (Lorsban)	QT	2.00	\$15.08	\$30.15	MAY
NEMATICI	DES					
f	fluopyram (Velum Prime)	OZ	6.00	\$62.50	\$375.00	JUNE
	TOTAL:				\$518.28	

Notes: Use of Telone II and Velum Prime assumes that the field has a high rate of nematodes and/or M. enterlobii has been detected.

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