

# TOMATO ANNA F1

## THE IDEAL GREENHOUSE TOMATO



	Year 1		Year 2	
	First 6 months	Next 6 months	First 6 months	Next 6 months
<b>Area : 240m<sup>2</sup></b>				
Output(kg)	12,000	6,000	12,000	6,000
Farm-gate price average(Ksh/Kg)	40	40	40	40
<b>GROSS REVENUE (Ksh/240m)<sup>*2</sup></b>	<b>480,000</b>	<b>240,000</b>	<b>480,000</b>	<b>240,000</b>
<b>COSTS</b>				
<b>Variable costs</b>				
<b>Beds Preparation</b>				
Primary Tillage	200		200	
Secondary Tillage	200		200	
D.A.P 10kg	700		700	
N.P.K 17:17:17 50kg	2,750	2,750	2,750	2,750
Transplanting pesticides	1,000		1,000	
Field pesticides	1,500	1,500	1,500	1,500
Fungicides	3,000	3,000	3,000	3,000
Manure 2 tons	4,000		4,000	
Caretaker @ 5,000 p.m	30,000	30,000	30,000	30,000
1000 seedlings @ ksh.7*	7,000		7,000	
<b>Fixed costs</b>				
Greenhouse construction: includes timber, plastic cover, nails and labour	210,000			
Others: transport, casual labour e.t.c	10,000	5,000	10,000	5,000
<b>TOTAL COST OF PRODUCTION (Ksh)*</b>	<b>270,350</b>	<b>42,250</b>	<b>60,350</b>	<b>42,250</b>
<b>PROFIT (KSH/240m)<sup>*2</sup></b>	<b>209,650</b>	<b>197,750</b>	<b>419,650</b>	<b>197,750</b>
<b>Total Profit/ Year (Ksh./240m)<sup>*2</sup></b>	<b>407,400</b>		<b>617,400</b>	

\*prices may vary; above prices are only indicative

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**Seminis.**

## HYBRID TOMATO ANNA

### The Ideal Greenhouse Tomato

#### Features

- Indeterminate fresh market tomato hybrid variety.
- Fruit is deep red, firm and oval in shape.
- Resistance to: Alternaria stem canker, Verticillium, Fusarium wilts as well as nematodes.
- Early maturing; 75 days from transplanting.
- High yielding variety with an average 18 Kg per plant over 8 months of harvest.
- Long harvest period(8 months plus)



#### Benefits

- Profits: High profit margins due to high yields; 1000 plants (240m<sup>2</sup> Greenhouse) each producing 18kgs = 18,000kgs, each estimated @Ksh\*. 40/= per kg = Ksh.720,000
- Harvesting: Long harvesting period (8 months plus)
- Taste: Sweet with long keeping quality

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### GROWING TOMATO ANNA F1

#### Transplanting

- Seedlings are ready for transplanting after 4 weeks in the nursery.
- Transplanting is best done in the evening when the weather is cool
- Transplant directly into already prepared holes.
- Spacing ranges from 60 by 45 or 60 by 60 depending on soil condition and water availability.

#### Support

- This is essential with greenhouse production of tomato to allow continuous growth.
- Usually done early (3 weeks after transplanting) to avoid plant damage.
- Tie a string lightly on the tomato and then gently twine the string around the plant and finally tie string to the barbed wire above.
- Ensures free air movement and reduces disease incidences.



#### Pruning

- Remove side shoots, laterals, old leaves, diseased leaves & branches and overshadowed lower leaves by hand.
- Flowers should be pruned to 6-7 per cluster for medium-large sized fruits.



#### Irrigation

- Watering should be done in the morning and avoid irrigating in the evening to prevent disease development.
- Approximately ½ litre of water per plant per day is sufficient though this depends on prevailing weather conditions and stage of growth.

#### Nutrient Management

- Apply phosphate fertilizer such as D.A.P during transplanting. (10gms per plant)
- Top dress 3 weeks later with N: P: K at the rate of 10-15gms per plant.
- Avoid excess nitrogen; it leads to excess vegetative growth, poor fruit set, smaller fruits, hollow fruits and poor keeping quality.
- Apply Calcium fertilizers to curb Blossom end rot disease.
- To correct micro-nutrient deficiencies, foliar feeds can be applied alongside the regular pesticide applications.

#### Pests and Diseases

- Always scout for pest and diseases in the morning hours.
- Common pests: Whiteflies, Red spider mites, aphids, thrips, cutworms, nematodes, bollworms and leaf miners.
- Common diseases: Wilts, blights, mildews & leaf spots.

#### Control

- Cultural methods such as, use of certified seed, destroying alternate hosts e.t.c are the best.
- For diseases e.g. Blights and mildews sulphur based or copper based fungicides are used.
- Note the active Ingredient (AI) so as to avoid doing one kind of spray all the time which could lead to build up of pest and disease resistance.

#### Maturity & Harvesting

- Anna F1 is ready for harvesting after 70-75 days. Harvesting period may continue for 8 months plus.