

**TRELLIS SYSTEMS FOR DECIDUOUS FRUIT**

	<b>V-Trellis</b>	<b>Palmet</b>	<b>Support Trellis</b>
Block Specs	1 ha = 133m x 75m	1 ha = 133m x 75m	1 ha = 133m x 75m
Strands on trellis	18	11	3
No. Rows	39	39	34
Row length in Meters	75	75	75
Anchor poles (Treated & SABS Std)	3.6m (100:125mm)CL4	3.6m (100:125mm)CL4	4.2m (100:125mm)CL4
No. Anchor poles/ha	78	78	68
Pole price	R232,92	R232,92	R282,79
<b>Cost of Anchor Poles (excl Vat)</b>	<b>R18 167,53</b>	<b>R18 167,53</b>	<b>R19 229,48</b>
In-row poles (Treated & SABS Std)	3.2m (50:75mm)CL2	3.2m (50:75mm)CL2	3.6m (80:100mm)CL3
No. In-row poles/ha	156	195,4887218	170
In-Row Pole Price	R81,42	R81,42	R178,19
<b>Cost of In-Row Poles (excl Vat)</b>	<b>R12 701,75</b>	<b>R15 916,98</b>	<b>R30 291,54</b>
In-row Pole spacing	19	15	15
Poles per row	4	5,012531328	5
Strand wire - 2mm High Tensial Full Galv	52 650	32 256	7 650
<b>Cost of HT 2mm wire</b>	<b>R41 418,00</b>	<b>R25 374,44</b>	<b>R6 018,00</b>
Anchor wire - 4mm Mild Steal Full Galv	1 560	1 560	544
<b>Cost of MS 4mm wire</b>	<b>R4 951,44</b>	<b>R4 951,44</b>	<b>R1 726,66</b>
Length of anchor wire in meters	20	20	8
Anchors/ha- Concrete block, 600x600x600mm	156	156	136
U' nails - 25mm (256 nails/1kg)	4 212	3 008	714
No. Kg's U' nails - 25mm (256 nails/1kg)	16	12	3
<b>Cost of U'nails</b>	<b>R1 152,43</b>	<b>R823,11</b>	<b>R195,36</b>
Top trellis Pole	3.6m(1.8m) split pole or 12mm rod		
Cost of Top Trellis pole	R7 303,51		
<b>Total Trellising Cost:</b>	<b>R85 694,66</b>	<b>R65 233,50</b>	<b>R57 461,03</b>

\*Per hectare

\*Palmet structure: 11 strand on trellis and in-row pole every 15 meters

**DRAPE NET COSTS PER HA**

ITEMS	POME FRUIT	APRICOTS & NECTARINES	PLUMS	CHERRIES	PRUNE
PLANT SPACING	4M X 1.5M	4M X 2M	3.28M X 2M	4.5M X 1.5M	2.5M X 4.5M
NUMBER OF TREES PER HECTARE	1 667	1 250	1 524	1 481	889
METER SQUARE	6	8	7	7	11
NUMBER OF ROWS PER 1HA (100M/4M ROW TO ROW LENGTH)	25	25	30	22	40
COST OF NET PER ROW	R5 926	R7 901	R7 901	R7 901	R9 877
COST OF NET PER 1HA	R148 151	R197 525	R240 884	R175 578	R395 068
EMPLOYEE COSTS	R6 997	R6 997	R6 997	R6 997	R6 997
<b>TOTAL COSTS PER HECTARE</b>	<b>R155 148</b>	<b>R204 522</b>	<b>R247 881</b>	<b>R182 575</b>	<b>R402 066</b>

Additional info

*\*\*use white nets for red and bi-colour apples*

*\*\*Black nets for green apples*

*\*\*contractor fees is around R5200/ha to erect, take down and repair nets*

*\*\*with proper care each net should last 10 to 15 years*

*\*\*standard length of each net is 100 meters*

*\*\*note net prices differ from each supplier*

NETTING COSTS ON A PER HA BASIS

ASSUMPTIONS	Unit	Open-Close System	Flat Anti-hail	
TOTAL SURFACE	m2	10 000	10 000	
DISTANCE BETWEEN ROWS	Meter	4	4	
NUMBER OF ROWS	no	10	10	
TOTAL ROW LENGTH	Meter	2500	2 500	
NUMBER OF CROSS CONNECTIONS	No	4	4	
TOTAL CROSS CONNECTION LENGTH	No	897	897	
FRONT SIDES TOTAL LENGTH	No	75	75	
NET WIDTH	Meter	4.4	4.4	
DISTANCE BETWEEN TOP CLIPS	Meter	0.75	-	
DISTANCE BETWEEN OPEN-CLOSE CLIPS	Meter	1.3	-	
DISTANCE BETWEEN POSTS ALONG ROW	Meter	10.5	-	
NET STRUCTURE	SPECS	QTY	OPEN-CLOSE SYSTEM	FLAT ANTI-HAIL SYSTEM
SUPPORT MATERIAL			RAND/HA	RAND/HA
POLES				
PERIMETER POLES (4,8M - PINE- Class 5)	Class 5	47	R23 838	R23 838
INSIDE POLES (4,8M - PINE- Class 4)	Class 4	201	R83 874	R83 874
<b>TOTAL POLE COST</b>			<b>R107 712</b>	<b>R107 712</b>
ANCHORAGES				
CONCRETE PLATE	300mm	29	R1 849	R1 849
GALVANIZED POLES FOR ACHORING	AB-30	29	R2 130	R2 130
GALVANIZED STEEL ROPE: UPPER CONNECTION - 19 WIRES	7mm	220	R2 737	R2 737
GALVANIZED STEEL ROPE: LOWER CONNECTION - 19 WIRES	7mm	190	R2 372	R2 372
CLAMP FOR WIRE	8mm	229	R1 124	R1 124
<b>TOTAL ANCHORAGE COST</b>			<b>R10 212</b>	<b>R10 212</b>
STRUCTURAL WIRES				
GALVANIZED STEEL ROPE: TRUSS CONNECTION - 19 WIRES	7mm	81	R1 004	R1 004
PLASTIC COATED ROPE: HEAD TRUSS	4-6mm	86	R959	R959
ZN-AL GALVANIZED WIRE COMAVIT PLUS	4mm - 4-5% elongation	266	R10 009	R10 009
GALVANIZED ROPE: TRANSVERSE CONNECTION - 19 WIRES	5mm	962	R6 302	R6 302
<b>TOTAL STRUCTURAL WIRE COSTS</b>			<b>R18 274</b>	<b>R18 274</b>
NET & OTHER ACCESSORIES				
GREY ANTI HAIL NET	4,4m	11 440	R65 610	R65 610
CLAMP FOR TRANSVERSAL ROPE FIXING		18	R58	R58
CLAMP FOR TOP WIRE FIXING		38	R125	R125
CLAMP FOR GALVANIZED RING FIXING		19	R94	R94
CLAMP FOR HEADBOARD PLASTIC WIRE		19	R92	R92
ROPE BLOCK BAND: HEAD POSTS	M10	29	R1 053	R1 053
POLE COVER WITH FLAT NET KIT (DIAMETER)	160cm	19	R1 030	R1 030
POLE COVER WITH FLAT NET KIT (DIAMETER)	160cm	28	R1 505	R1 505
POLE COVER WITH FLAT NET KIT (DIAMETER)	130cm	201	R9 078	R9 078
OPEN-CLOSE NET CLOSE NET PLATE COMAVIT		1 923	R17 332	-
NET PLATE PLATE FOR LATERAL TENSIONING		48	R277	R277
GALVANISED S GALVANISED S HOOK		19	R94	R94
CLIP FOR FOR TOP WIRE FIXING		3 333	R9 285	-
GALVANIZED RING		19	R218	R218
NET BLOCK BAND: NET WRAPPING		1 099	R4 682	R4 682
<b>TOTAL NET AND ACCESSORY COSTS</b>			<b>R110 533</b>	<b>R83 916</b>
INSTALLATION FEE	PER HA		R109 250	R109 250
<b>TOTAL COST</b>			<b>R355 982</b>	<b>R329 365</b>

Notes:

\* Open-Close system would require platform for opening and closing and require additional capital layout.

\*Note that prices are influenced by block size, block shape, row width, soil conditions, pole type and spacing

\*All prices exclude VAT except for pine poles