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Trees per Hectare		
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
Least	Medium	Most
277	463	1,110

	Planting Orientation		
L	ow Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
	Contour	North/South preferred	No specific orientation since trees are equidistant



Tree Height		
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
Highest	Medium	Lowest
Unpruned	Depends on distance between rows	Depends on distance between trees

Tree Dimension		
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
4 sides plus top (until trees grow into a solid canopy)	2 sides plus top	4 sides plus top

Exposed	canopy sur	face area
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
Good only until trees touch; then only top of tree and sides of the block	Acceptable if N/S planting is achievable	Best since all sides exposed















Tree Removal			
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)	
Yes	No	No	



Rejuv	renation Str	ategy
Low Density	Hedge Row	High Density
(6 x 6)	(3.6 x 6)	(3 x 3)
Stump trees;	Side	Tree
keep same	replacement	replacement
trees forever	every 3 years	every 10+ years







Pruning Costs		
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
Least	Intermediate	Highest
Low branches only	Some annual pruning with aggressive pruning every 3 years	On-going



Branch support (staking) and probability of branch breakage





Cost and ease of spraying for pests and foliar nutrition		
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
High	Medium	Low
Requires helicopter in most cases when trees are mature	Helicopter and some ground application depending on slope and accessibility	Ground application feasible



Pathw	ay for hone	ybees
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)
Good in early years	Medium	Always



Ea	arly productio	on
(on p	er hectare b	asis)
Low Density	Hedge Row	High Density
(6 x 6)	(3.6 x 6)	(3 x 3)
Least	Medium	Most

Kilograms of fruit needed per tree to achieve production goal

Tree	Target Production (Kg/HA)		
(m)	10,000	15,000	20,000
3 x 3	9.0	13.5	18.0
6 x 6	36.0	54.0	72.0
		<u> </u>	

Productivity loss as trees mature and crowd				
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)		
Low until shading occurs	Loss occurs every 3 rd year when one side is severely pruned	Least		



Size picking accuracy in mature trees				
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)		
Low	Medium	Best		

Impact of planting density on ease of harvesting				
Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)		
Good as long as trees are relatively small	Depends on orientation of hedge row relative to the slope	Always easier to pick		

Harvest equipment required (ladders and picking poles)

Most Medium None

Worker environment					
	Low Density (6 x 6)	Hedge Row (3.6 x 6)	High Density (3 x 3)		
Worker Efficiency	Low	Medium	High		
Worker Friendly	Least	Some	Most		

Picking from the ground



Even the inexperienced can do this!



More experience is needed here to use the picking pole



























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