

Orchard management: January to March

Tshifhiwa Radzilani

SUBTROP

Phenology

Ripening of mid-late cultivars

Vegetative flushing of early cultivars



	Details	Recommendation	January	February	March	
Fertilisation	Foliar spray	<i>Zn, Cu as additional spray if required and only on young flush</i>				
	Soil applications	<i>Maintenance programme according to leaf and soil analysis results (lime, gypsum & magnesium)</i>				
	N & K	<i>30% of annual application</i>	<i>2 weeks before end of harvest or directly after harvest</i>			
Tree management	Mulch	Apply mulch to drip area of trees				
	Irrigation	Ensure optimum irrigation for good recovery and starch accumulation	<i>Shallow tensiometer readings (0 - 30 cm)</i>		'Micro: -10 to -30 kPa Drip: -4 to -15 kPa	'Micro: -20 to -30 kPa Drip: -10 to -20 kPa
			<i>Deep tensionmeter readings (30 - 60 cm)</i>		'Micro: -15 to -30 kPa Drip: -10 to -20 kPa	'Micro: -30 to -50 kPa Drip: -20 to -30 kPa
	Flush control	Control late autumn flush with Ethapon. Girdling for flush control after last desired post-harvest flush hardened (optional)				
	Propagation	Cut air layers				
	Pruning	<i>Prune directly after harvest</i>				
Insect control	Fruit fly	Eco Fruitfly Bait GF-120 or *GF-120 NF; M3 bait station; Bait application; bagging fruit	Apply at GF-120 20-100 ml/ 400 ml *(or 1-1.2 L/ 19-29 L) of water at a rate of 60 ml *(or 20 - 30 L) spray mixture per tree. Use mixture within 12 hours. Do not add any other products to mixture.			
	Nematodes	Control with contact or systemic nematicide such as Rugby 10G/10 ME or Nema-cur GR after harvest if necessary	Apply Rugby 10G at 15 g/m ² or Rugby 10ME at 15 ml/m ² tree drip area. Application must be followed by 35 mm irrigation/rainfall on sandy soils and 15 mm irrigation/rainfall (on heavy clay soils) within one week of application & repeat annually Apply Nema-cur GR at 30 g/m ² basin area at initial treatment and 15 g/m ² on follow-up treatment (NB: Apply only during spring)			
	Litchi moth	Delta traps	Monitor population numbers with traps; threshold = 3.5%			
Harvesting	<i>Pick fruit selectively according to SALGA standards and export regulations. Maturity (TSS:acid) test minimum 25:1. Pick in the morning (not mid-day) and keep fruit in the shade at all times. Use clean crates and picking ring. Do not mix good and bad fruit.</i>					
Post-harvest	<i>Sulfur fumigation (international market: treat dry fruit with SO₂ within 3 hours after picking) / Prochloraz treatment (local market: 180 ml/100 L water for 30 seconds) directly after harvest and cold storage at 1°C.</i>					
Land preparation	<i>Start fertiliser programme according to soil analysis when trees are actively growing.</i>					