



Hi – tech production tips to double the yield in Cashew

High yielding varieties

	
VRI-3	VRI (CW)H-1

Planting

Spacing: <ul style="list-style-type: none">i. Conventional method -7x7m (80 tree/acre)ii. High density Planting -5x4m (200 tree/acre)iii. Ultra high density planting – 4x2m (480 tree/acre)	Technologies: <ul style="list-style-type: none">i. Drip irrigationii. Fertigationiii. Pruningiv. Foliar applicationv. Pest and disease management
---	--

Ultra high density planting



**Planting – 4x2 m - intercropping – Ground nut,
black gram, Aloe vera, Tulsi**



Support – Casuarina/ bamboo poles







**Removal of terminal buds at 60-70cm height to
induce lateral branching**



Pruning of first and second tier branches

Pruning and foliar spray

	
<p>Pruning of third tier branches during July month</p>	<p>Foliar spraying of 1% NPK 19:19:19 during August</p>
	
<p>Foliar application of 1.0% mono ammonium phosphate and 0.1% boron micronutrient mixture during flowering season</p>	<p>During fruit set, foliar application of 3.0% Panchakavya</p>

Drip irrigation

- i. Saving water
- ii. Weed control
- iii. 50 % higher yield

Fertigation

- i. 225:75:75kg/ha of NPK
- ii. Applied through water soluble fertilizer

Following the above hi-tech production tips at correct time increase the yield to 42%

Tea mosquito bug

- First Spray (Dec-Jan)- Profenophos 50 Ec- 1ml/lit.
- Second spray (Jan-feb) – Chlorpyriphos 20 EC – 2.5 ml/lit.
- Third spray (Feb- Mar) – Carbaryl 50 % - 2 gm/ lit.

Stem and root borer

- i. Swab the tree trunk with 3.0% neem oil during June – July and Dec –Jan.
- ii. Remove the grubs from infested trees and drench the damaged portion with 20 EC Chlorpyriphos@ 0.15%

High density planting - Comparison

Particulars	Conventional method	High density Planting	Ultra high density planting
Tree no	20/acre	200/acre	480/acre
Spacing	-	5x4 m	4x2 m
Year of yielding	6-7 year	2 nd year	2 nd year
Production(kg/acre) 2 nd year	-	600	1440
Production(kg/acre) 6 th year	-	1000	2400
Production(kg/acre) 8 th year	400	1600	2640
Income (Rs.) after 8 years	20625 /acre	89375/acre	137000/acre
Expenditure(Rs.) 1 st year	8000	25000	25000
Expenditure(Rs.) 2 nd year	8000	15000	20000
Intercropping	Initial 3 years	Initial 5 years	Every years
Pruning	-	Easy	Easy
Foliar spray	-	Easy	Easy

Profit	12000/acre	74000/acre	1,17,000/acre
--------	------------	------------	---------------

Source:

Regional Research Station
Tamil Nadu Agricultural University
Coimbatore