

Cultivar Selection

May 2019



Cultivar Selection

- What Cultivar must I Plant.....??



Cultivar Selection



George

Weather averages

Overview **Graphs**

Temperatures (°C)



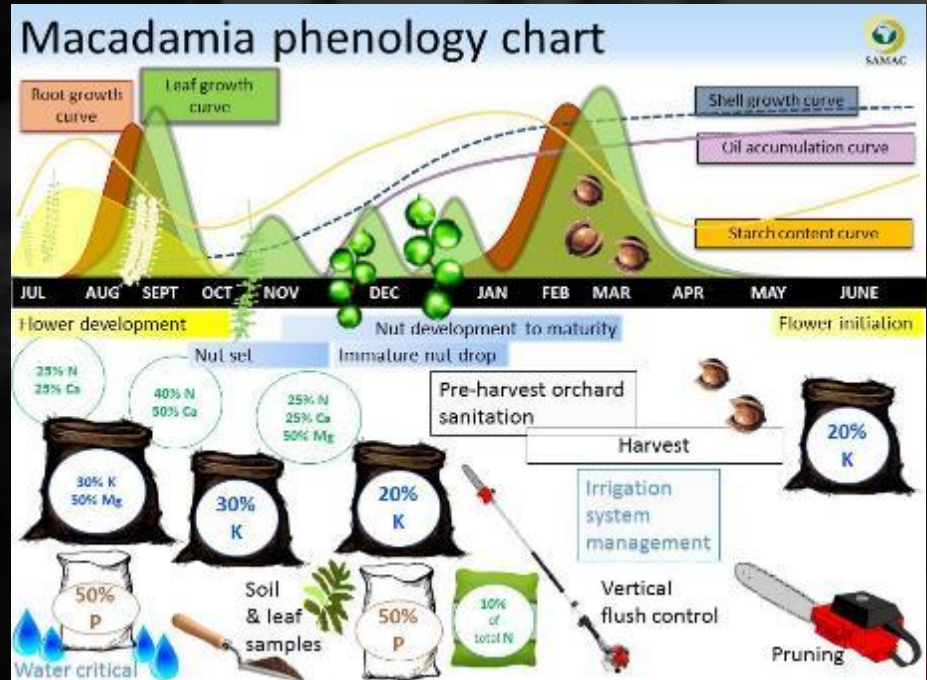
CultiCultivar Differences

- Different Phenology
- Different Seasons
 - Early
 - Mid
 - Late
- Demand on fertilizer & Water
- Cross Pollination



Cultivar Differences

- Phenology
 - Flushes
 - Flowering
 - Demand on:
 - Fertilizer
 - Irrigation



Cultivars

Early Season

- 788
- 791
- 814
- 816
- 842
- 849
- Nelmac 2



Cultivars

- Mid Season
 - A4
 - A16
- Late Season
 - Beaumont (695)



Harvesting

- Early Season – April / May

- 814
- 816
- 842
- 849
- 788
- 791
- Nelmac 2



Harvesting

- Mid Season – May / June
 - A16
 - A4



Harvesting

- Late Season – July / August
 - Beaumont



Flowering

- Early Flowering – June to August
 - '700' & '800' varieties
 - 'A' Varieties
 - Nelmac 2
- Fruit Set – End August to October



Cultivars

- Late Flowering – August / October
 - Beaumont (695)
- Fruit Set
 - End October / November



Jan Feb March April May June July Aug Sept Oct Nov



Early

Harvest

Pruning

Flowering

Fruit Set



Jan Feb March April May June July Aug Sept Oct Nov

Mid

Harvest
Pruning
Flowering
Fruit Set



Jan Feb March April May June July Aug Sept Oct Nov Dec

Late

Harvest
Pruning
Flowering
Fruit Set



South Coast

Cultivar	Ave Age	Spacing		Trees/Ha	Kg DIS / Tree	WIS / Ha.	DIS / Ha.	USKR %	SKR %	TKR %	Value / Kg SK	Gross (R) / Ha.
695	8.5	5	3.3	600	6.6	4.1	4	0.5	35.8	36.3	228.76	325,487
788	9	8	4	313	6.7	2.1	2.1	4	36.5	40.6	226.28	176,060
816	8	7.5	4	333	9.1	3.1	3	1.9	41.4	43.3	234.98	287,978
Nelmac D	10	9	4	278	14.6	4.2	4.1	0.6	37.6	38.2	239.49	365,318



Kearsney (Upper Stanger)

Cultivar	Ave Age	Spacing		Trees/Ha	Kg DIS / Tree	WIS / Ha.	DIS / Ha.	USKR %	SKR %	TKR %	Value / Kg SK	Gross (R) / Ha.
695	10.5	9	3	370	6.6		2.9	0.3	36.65	36.95	219.05	232,817
788	10.5	8	4	313	6.7		1.85	0.3	40.05	40.35	225.82	167,316
816	10.5	8	3	417	9.1		2.4	0.3	43.75	44.05	228.95	240,398
814	10.5	8	3	417	14.6		3.1	0.3	35.1	35.4	219.02	238,316



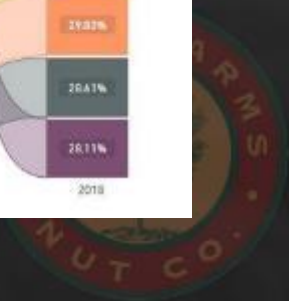
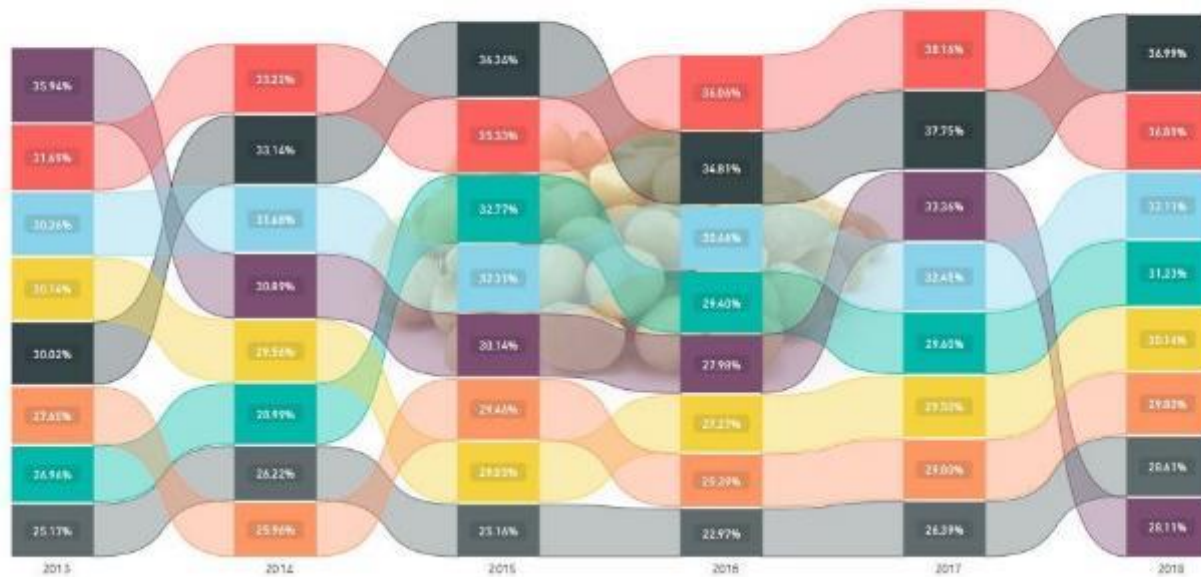
W Cape

Cultivar	Ave Age	Spacing		Trees/ Ha	Kg DIS / Tree	Tons WIS / Ha.	Tons DIS / Ha.	USKR %	SKR %	TKR %	Value / Kg SK	Gross (R) / Kg DIS	Gross (R)/Ha
Mix	8	8	3	417	9.5	4.0	3.75	0.63	30.48	31.11	211.2	64.37	241,202



Sound Kernel Recovery - Regional Movement (% of DIS)

Region ● Eastern Cape ● Gauteng & Highveld ● KZN North ● KZN South ● Letaba ● Levubu ● Mpumalanga ● Unknown



60 / 30 /10 ??

- Early Cultivars - 60%
- Mid Season - 30%
- Late Season - 10%



60:30:10

Early Cultivars 60%

- '700' / '800' Cultivars
 - High Quality
 - Whole Nuts
 - Snack Market
 - High End Market



60:30:10

Mid-Season Cultivars 30%

- A4 / A16
 - High Quality
 - Whole Nuts
 - Snack Market
 - High End Market



60:30:10

End Season Cultivars 10%

- Beaumont (695)
 - Halves
 - Commercial / Ingredient Market



Logistics

- Early 60%
 - Larger % of farm's high income cultivars
 - Spread of Income – 70% pd 5 weeks from delivery
 - Spread of Labour & Equipment Utilization
 - Start Pruning – 60% complete



Logistics

- Mid 30%
- Continue with high end cultivars
- Start Pruning – 30% of farm



Logistics

- Late 10%
 - Finish off Harvesting 10% of farm
 - Pruning
 - before flowering starts
 - Complete 'low end' of income



Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan
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Harvest (blue bar)
Pruning (yellow bar)
Flowering (green bar)
Fruit Set (orange bar)



- First Plantings

1. 814

A4 / A16

Beaumont

2. 849 / 842

- Follow up Planting

1. 816

2. Nelmac 2

3. 788



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