



Maluma

A new generation cultivar

Allesbeste

Nursery

Dr A A Ernst



INTRODUCTION

Maluma®, a predominantly Guatemalan with some Mexican genes, was selected in the early 1990's by Mr Dries Joubert at Maluma farm, South Africa, as a chance seedling of unknown parentage due to its similarity to Hass. Allesbeste nursery evaluated the variety.

Plant breeder's rights (Za 20043215) was granted in South Africa. Registration of plant breeder's rights for Australia, New Zealand, USA, South America and Africa is pending. Maluma has been approved in South Africa as an export cultivar since 2006.

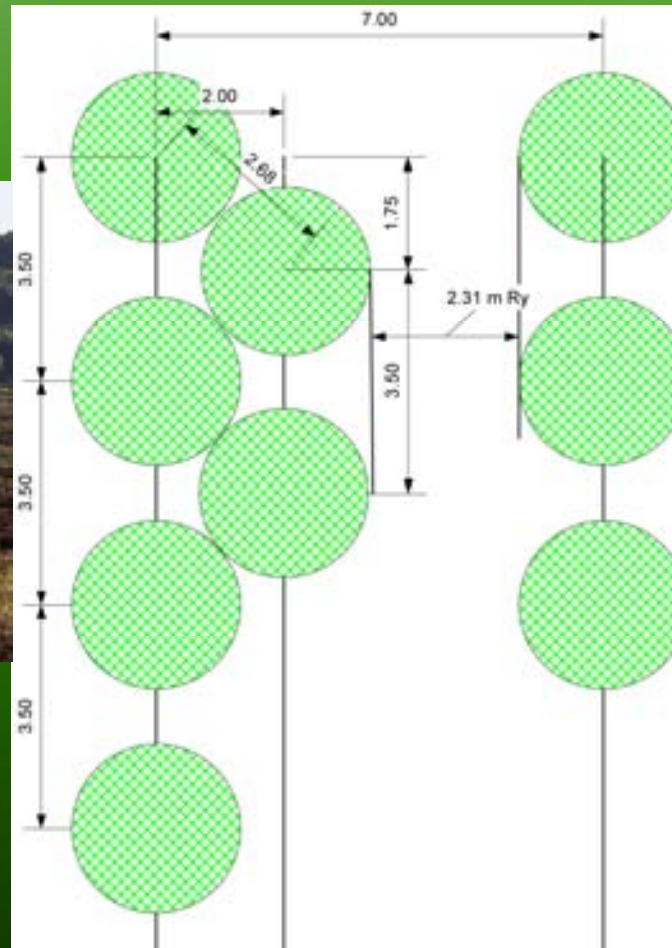
PLANT DENSITY : LOW (Recommended)

400 trees/Ha – 7x3,5m



PLANT DENSITY : HIGH

Diagonal tramline design – 800 trees/Ha



CANOPY SHAPE

Upright and triangular



CANOPY STRUCTURE

Central leader with lateral branching



GROWTH MANIPULATION

Pruning without growth retardant



LEAF



CANOPY DENSITY

Good light penetration



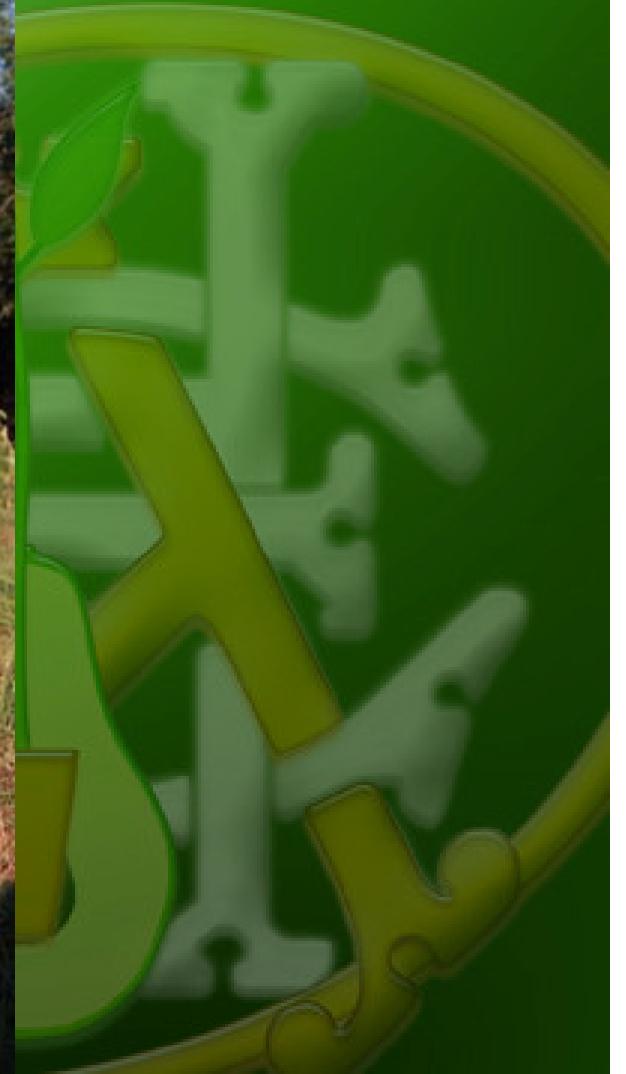
FLOWER



A - Type

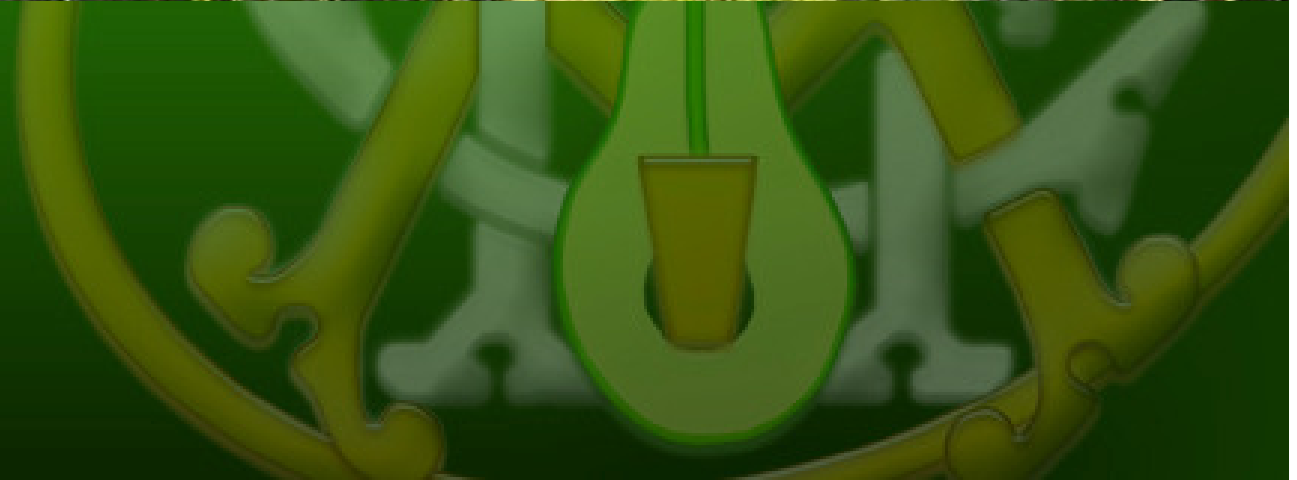


PRECOCITY



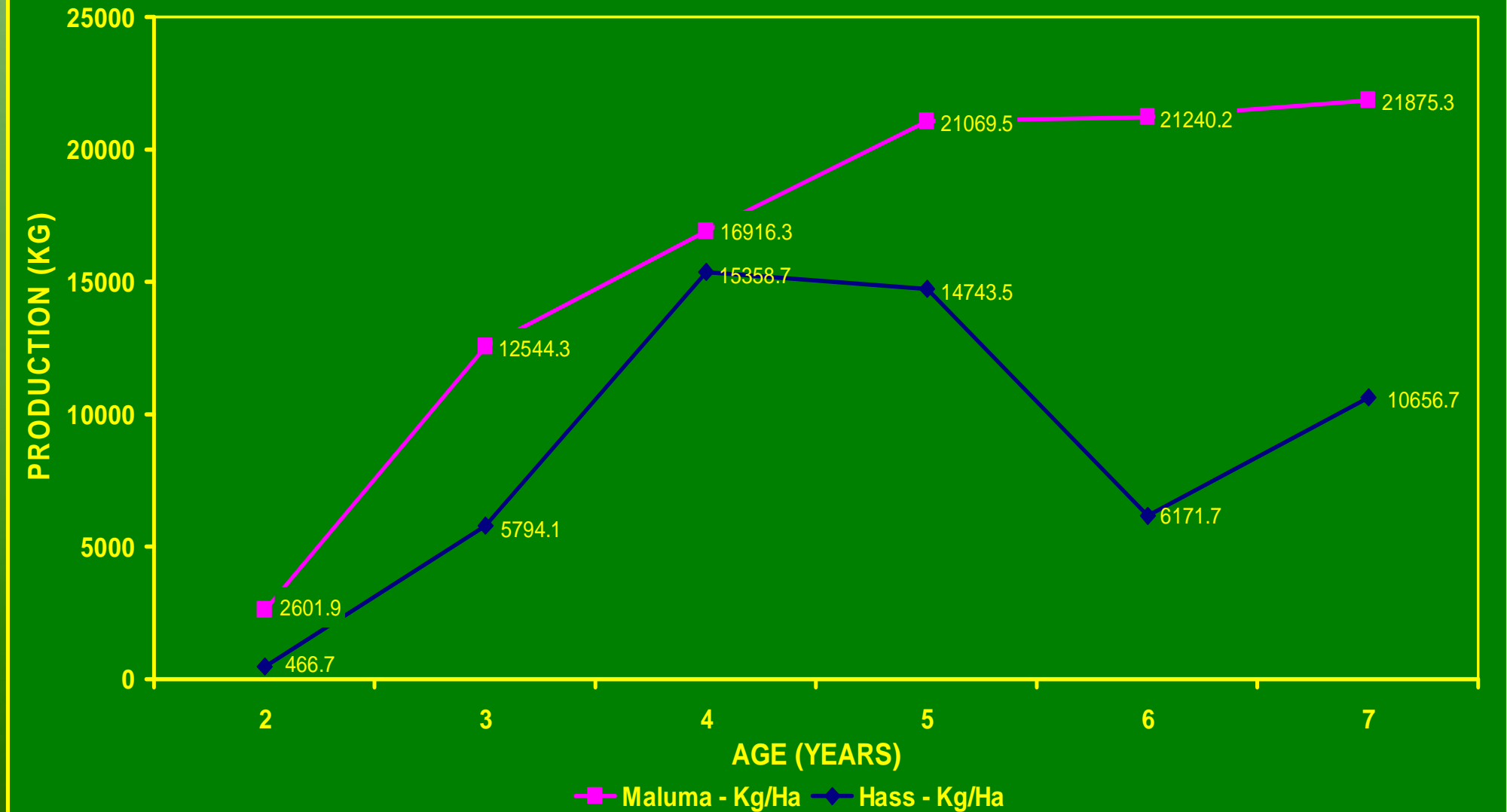
BEARING PATTERN AND PRODUCTIVITY

Constant and high



BEARING PATTERN AND PRODUCTIVITY

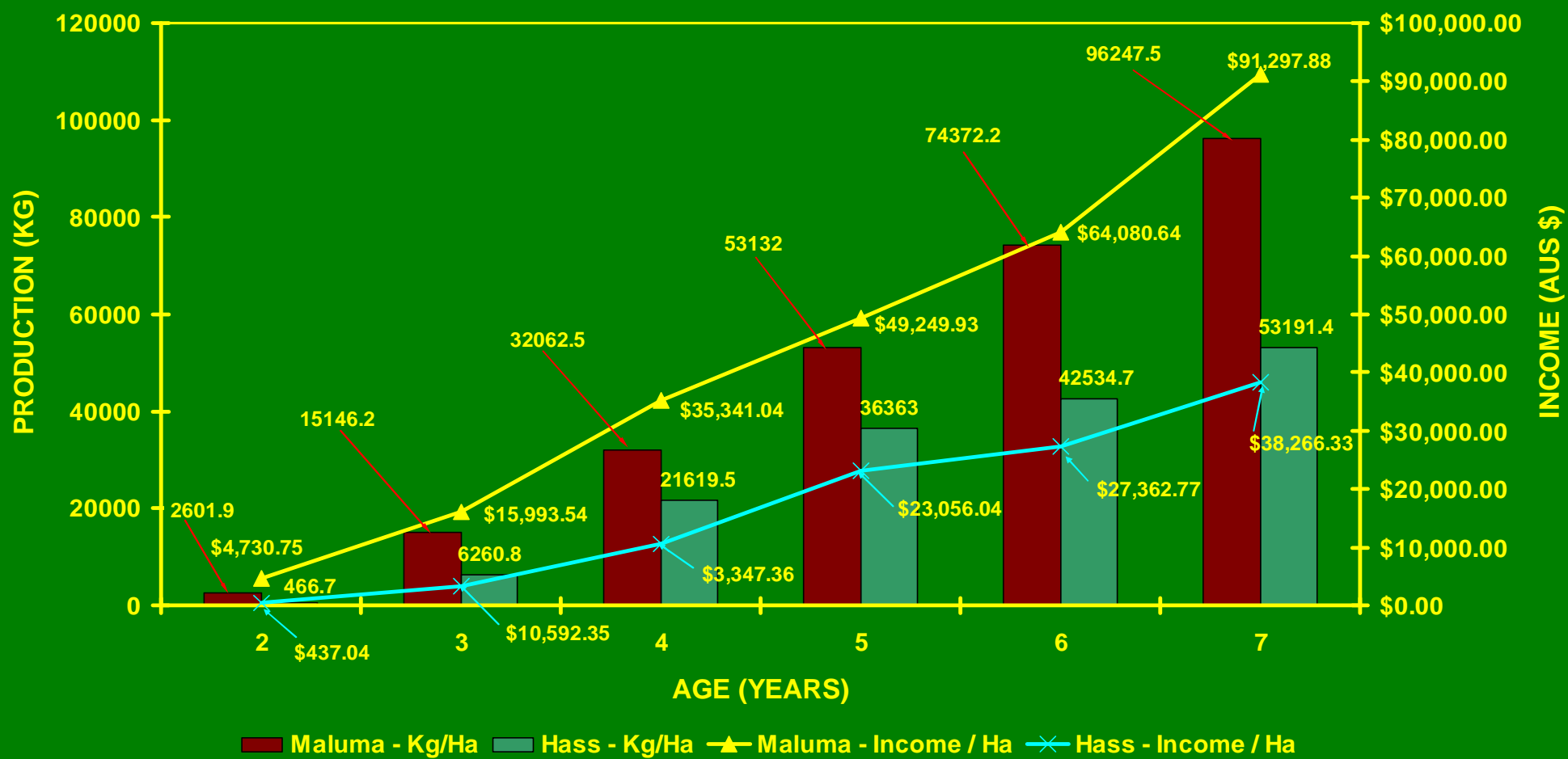
MALUMA vs HASS PRODUCTION PER HECTARE PER YEAR





BEARING PATTERN AND PRODUCTIVITY

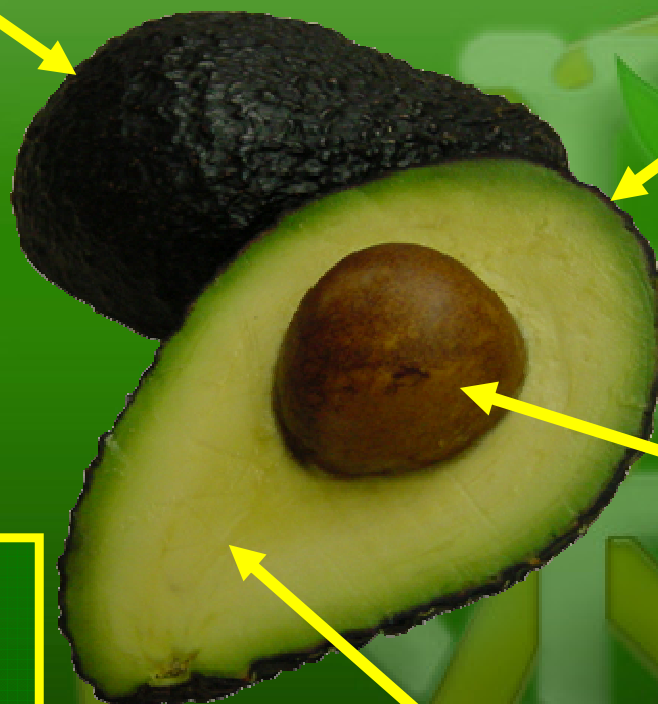
MALUMA vs HASS CUMULATIVE PRODUCTION & INCOME PER HECTARE



FRUIT CHARACTERISTICS

Pebbly and shiny, purple-black skin

1 – 2 mm



10 – 15 % of fruit,
obovate, with flat
base

Other Characteristics:

- Lenticel tolerant
- Pick ready at 22% dry matter
- Smooth flesh with slight fiber
- Excellent, rich and tasty

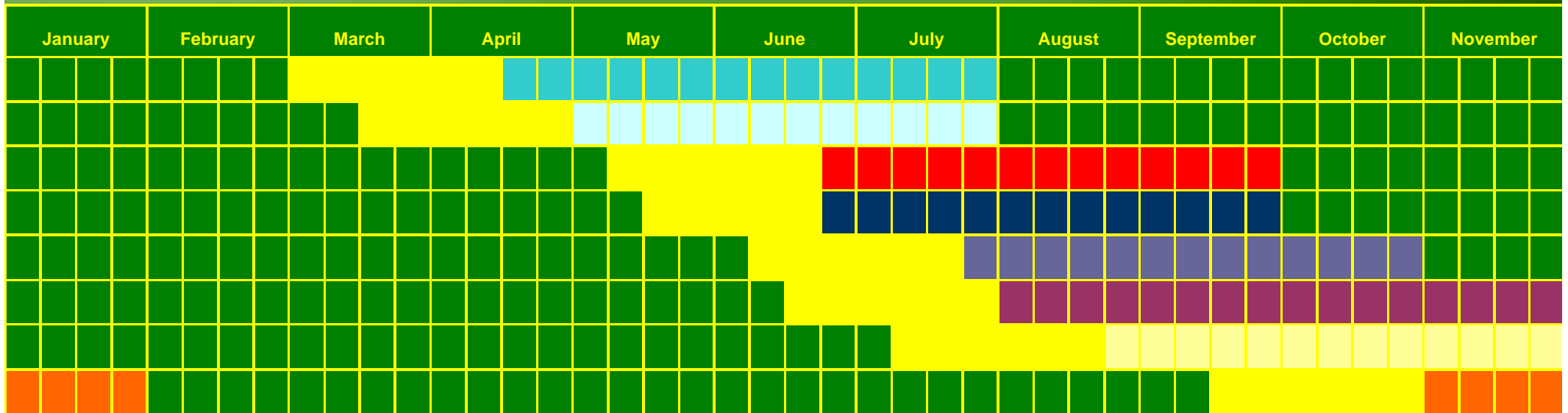
Creamy-yellow with
light green rind

VERY SUITABLE FOR RIPE AND READY



EXPECTED HARVEST PERIOD (4 to 6 weeks earlier than Hass)

Australian regions:



Maluma	Yellow	Atherton Tablelands	Light Blue	Coffs Harbour	Purple
		Bundaberg	Light Blue	Western Australia North of Perth	Purple
		Sunshine Coast	Red	Mildura	Yellow
		Hampton	Dark Blue	Western Australia SW Pemberton	Orange

MALUMA KEY SUCCESS FACTORS

- **Early bearing – extend Hass season by one month**
- **Precocious with high and constant bearing pattern annually**
- **Allowing for good light penetration and high productivity**
- **Productive without the use of growth retardants**
- **Suitable for high-density plantings (800 plants/Ha)**
- **High cold tolerance**

MALUMA KEY SUCCESS FACTORS

- **Resistant or tolerates the most important fruit diseases and disorders**
- **Less obvious lenticel damage**
- **Attractive external and internal colour and gloss**
- **Excellent taste and flavour**
- **Accepted by the leading U.K. supermarkets for its ripe-and-ready programmes**

Maluma, a cultivar for tomorrow



“It takes courage to discover, develop and donate your genius to the world.”

Robert T. Kiyosaki