



## Flamingo (17) Red grapefruit

- The Flamingo (17) cultivar is owned by the Agricultural Council of South Africa (ARC).
- The Flamingo (17) is protected by the Plant Breeders' Rights Act, of South Africa, 1976 (as amended), and unlawful propagation is not permitted (PBR pending).
- The Flamingo (17) will be marketed under the Redstar™ trade name to ensure that fruit meet exceptional fruit quality specifications, and the marketing of those fruit will be coordinated by Citrogold (Pty) Ltd via a single-desk, multi-channel marketing system.

### Origin and use

Flamingo (17) was developed through induced mutations at the Musina Experimental Station by the ARC-ITSC.

Flamingo (17) is a novel sweet red-pigmented grapefruit that can be differentiated by the trade and identified by the consumer due to its external blush, red internal pigment and exceptional taste.

### Fruit Characteristics

- The fruit size is similar to that of Star Ruby under similar crop load conditions.
- Time of maturity is 4 weeks later that of Star Ruby.
- The fruit has a lower naringin content compared with Star Ruby with high sugar content.

### Tree characteristics

The tree is vigorous, precocious and highly productive and has a similar growth habit to that of Star Ruby.

Flamingo trees are compatible with most trifoliolate hybrid rootstocks, such as the citranges (Troyer and Carrizo) and Swingle citrumelo. The compatibility on C35 is unknown.

### Climate requirements

Climatic suitability is similar to Star Ruby grapefruit, for all high quality grapefruit producing areas in South Africa.

The internal lycopene (colour pigment) will be accentuated in hotter grapefruit production areas.



Tree with fruit



Leaf shape



Fruit shape

## Henderson mutant – Flamingo (17) Red grapefruit: Technical information

<b>Hybrid</b>	Induced mutation from Henderson pink grapefruit.
<b>Origin</b>	ARC-ITSC, Musina Research station, Musina, Limpopo Province, South Africa.
<b>Ownership</b>	ARC-ITSC, South Africa
<b>Selected</b>	Was selected in 1997 season
<b>PBR registration</b>	PBR pending
<b>Status</b>	Experimental

Internal quality tests				
Test date	Juice %	Brix°	T.Acid %	Brix / TA Ratio
19 July 2007	63.8%	11.1%	0.83%	13.30

<b>Optimum ripening date</b>	Hot, humid area (Malelane): mid June
<b>Alternate bearing or other problems</b>	None noted
<b>Rootstocks used in evaluation</b>	Carrizo citrange, Minneola x Trifoliate

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<b>Tree characteristics</b>	Tree shape expected to be similar to Henderson grapefruit, slightly smaller than Star Ruby grapefruit.
<b>Fruit size</b>	Expected to be the same as Star Ruby grapefruit.
<b>Fruit shape</b>	Round to slight neck
<b>External appearance</b>	Pink with a deep red blush
<b>Internal appearance</b>	Red, slightly lighter than Star Ruby grapefruit.
<b>Peelability</b>	Same as Star Ruby grapefruit
<b>Seed</b>	Virtually seedless
<b>Flavour</b>	Boasts a unique flavour, with high sugars and low acids, low naringin levels. The taste is superior to other red grapefruit selections.



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