

# Joybells

RSA HARVEST TIME



EU AVAILABILITY



**SELECTION NUMBER** C3335  
**OWNER & BREEDER** ARC Infruitec – Nietvoorbij  
**LICENSEE IN RSA** Culdevco (Pty) Ltd

**GRAPE TYPE** Red seedless  
**PLANTING STATUS** Commercial  
**VARIETY STATUS** Protected

## General characteristics



**HARVEST DATE**  
 Week 3 – 4 in  
 Hex River Valley



**COLOUR**  
 Bright red at  
 pedicel-end  
 Darker at  
 stylar-end



**SUGAR AT HARVEST**  
 20° Brix



**BERRY SIZE TREATED**  
 19 to 22 mm



**SEED CHARACTER**  
 Seedless



**FLAVOUR**  
 Very good,  
 sweet neutral



**FLESH TEXTURE**  
 Meaty flesh,  
 crunchy and  
 juicy



**BUNCH SHAPE & SIZE**  
 Medium to  
 short conical



**COLOUR DEVELOPMENT**  
 Very good,  
 berries fully  
 coloured



**BERRY ATTACHMENT**  
 Good



**CAP STEM SIZE**  
 Medium



**FERTILITY**  
 High



**VIGOUR**  
 Medium on  
 Ramsey



**YIELD**  
 5 000 – 5 500  
 cartons /  
 ha, 4.5 kg



**HANGING ABILITY**  
 Good



**STORABILITY**  
 Very good



**RAIN TOLERANCE**  
 No cracking  
 after two seasons  
 of rain (35 mm &  
 75 mm)



**PRUNING**  
 Spur pruning

## Suggested protocol

### THINNING STRONG VINES

Natural thinning only, 2 ppm GA3 @ 6 – 8 mm size, no Ethephon for colouring.

### THINNING WEAKER VINES

2 ppm GA3 @ 110% flower for thinning, no spraying for size needed. Promote natural thinning by inducing growth vigour. Additional GA3 for thinning may delay colouring and cause loose berries.

### SIZING

1 x 2 ppm GA3 (no sizing sprays necessary if spraying for thinning). Too much GA3 affects colour.

### GIRDLING

Sizing sprays can be replaced by girdling.

### ETHEPHON

No Ethephon required in Hex River.

### PICKING

Harvest at minimum 20° Brix due to high acidity level to ensure optimum eating quality.

### LOOSE BERRIES

Sizing application of 5 ppm GA3 and higher can increase the occurrence of loose berries.

- 1 Productive and reacts good on thinning sprays, needs medium work in vineyard, but minimal in pack house.
- 2 Sugar increases easily to 25° Brix.
- 3 Test ripeness by assessing firmness of lowest berries in bunch – firm lower berries indicate optimal sugars.
- 4 Above protocol applied in Hex River only. Currently tested in Trawal, Orange River and Northern Province of South Africa.



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*Music to your taste*

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