

Peach Rootstock Trials Update, 2017

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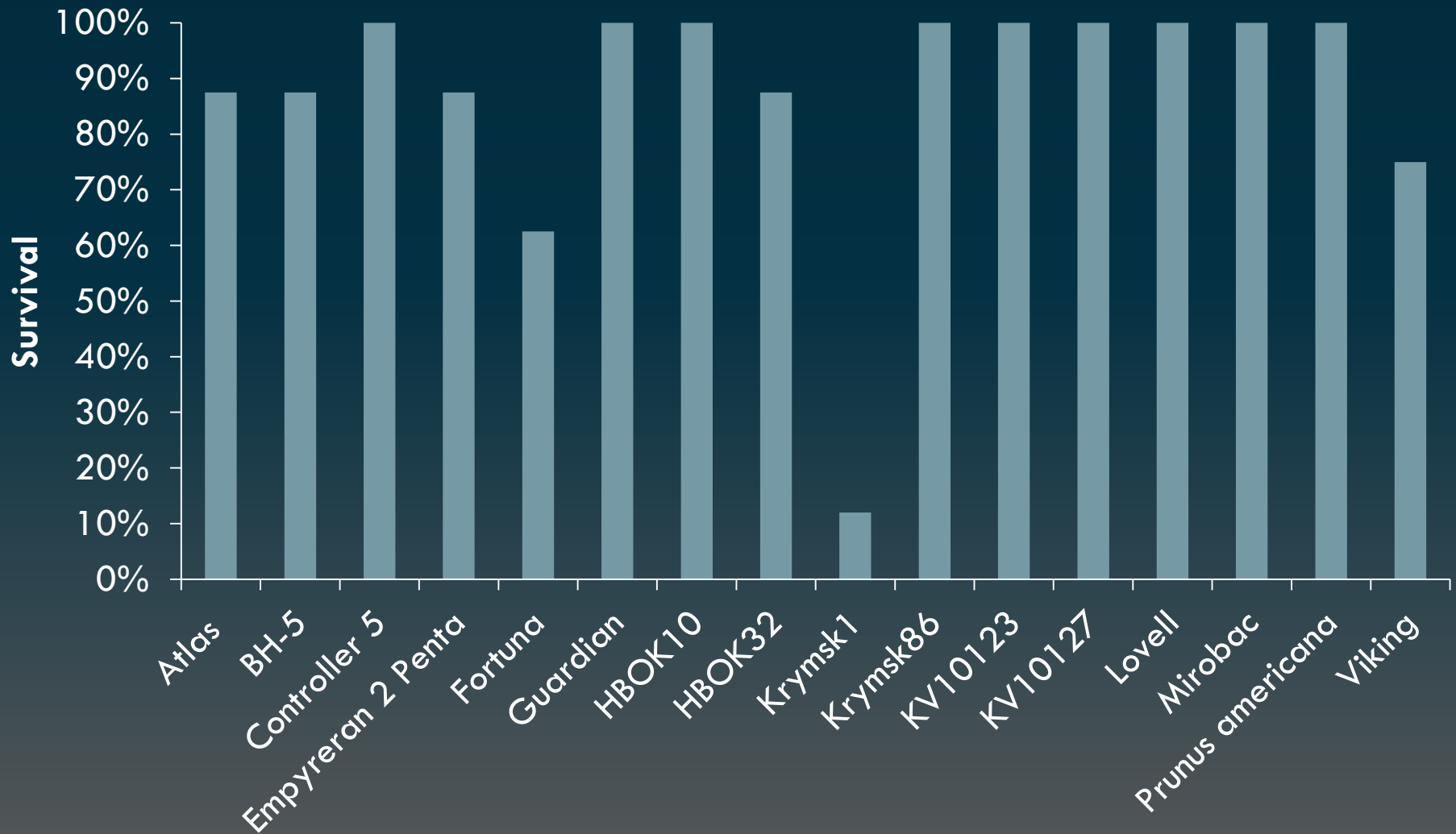


2009 NC140 Peach Rootstock Trial (P9)

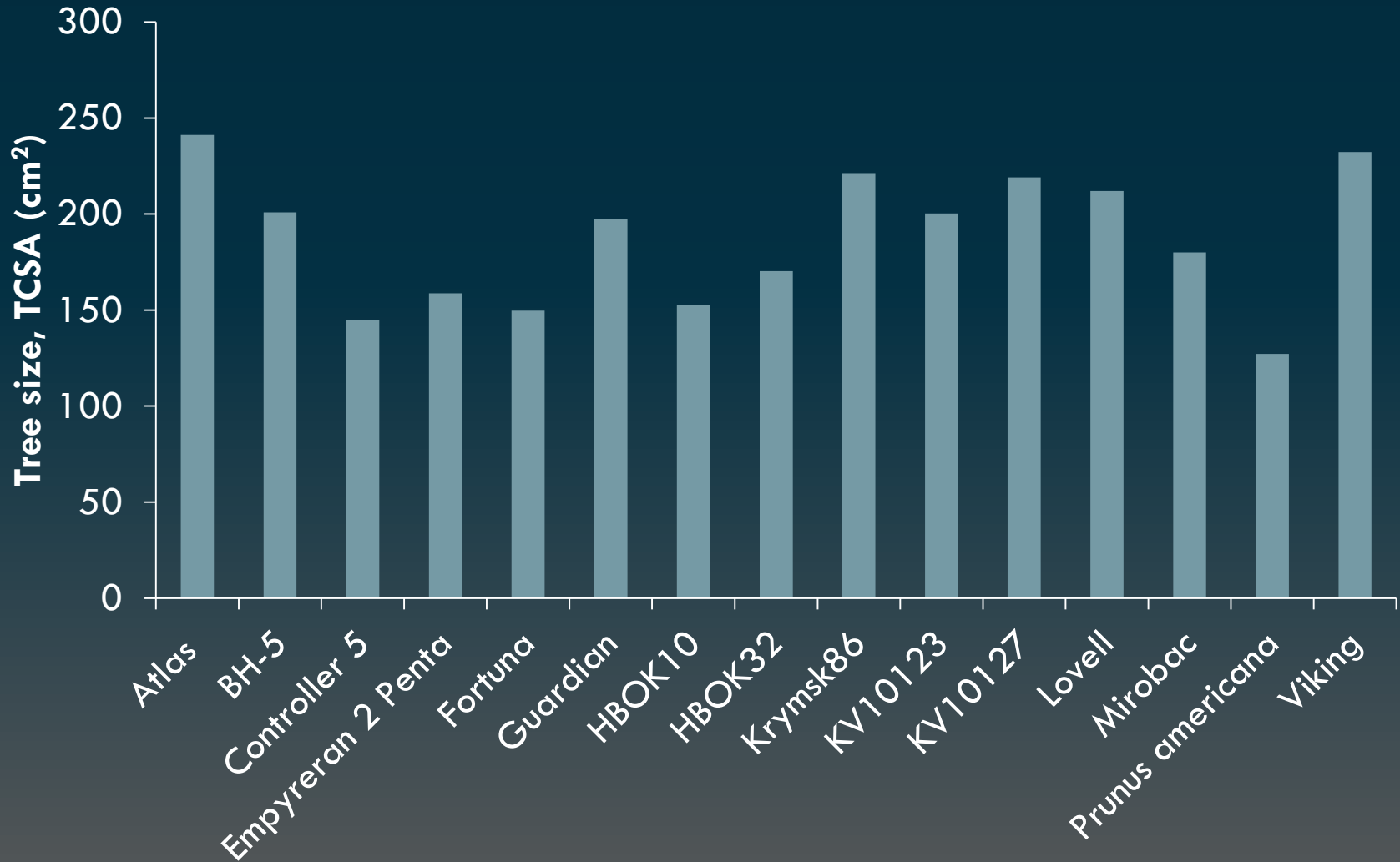
- Redhaven
- 17 Rootstocks Std= Lovell
- Open vase
- FREC (PA)- 1 of 14 sites



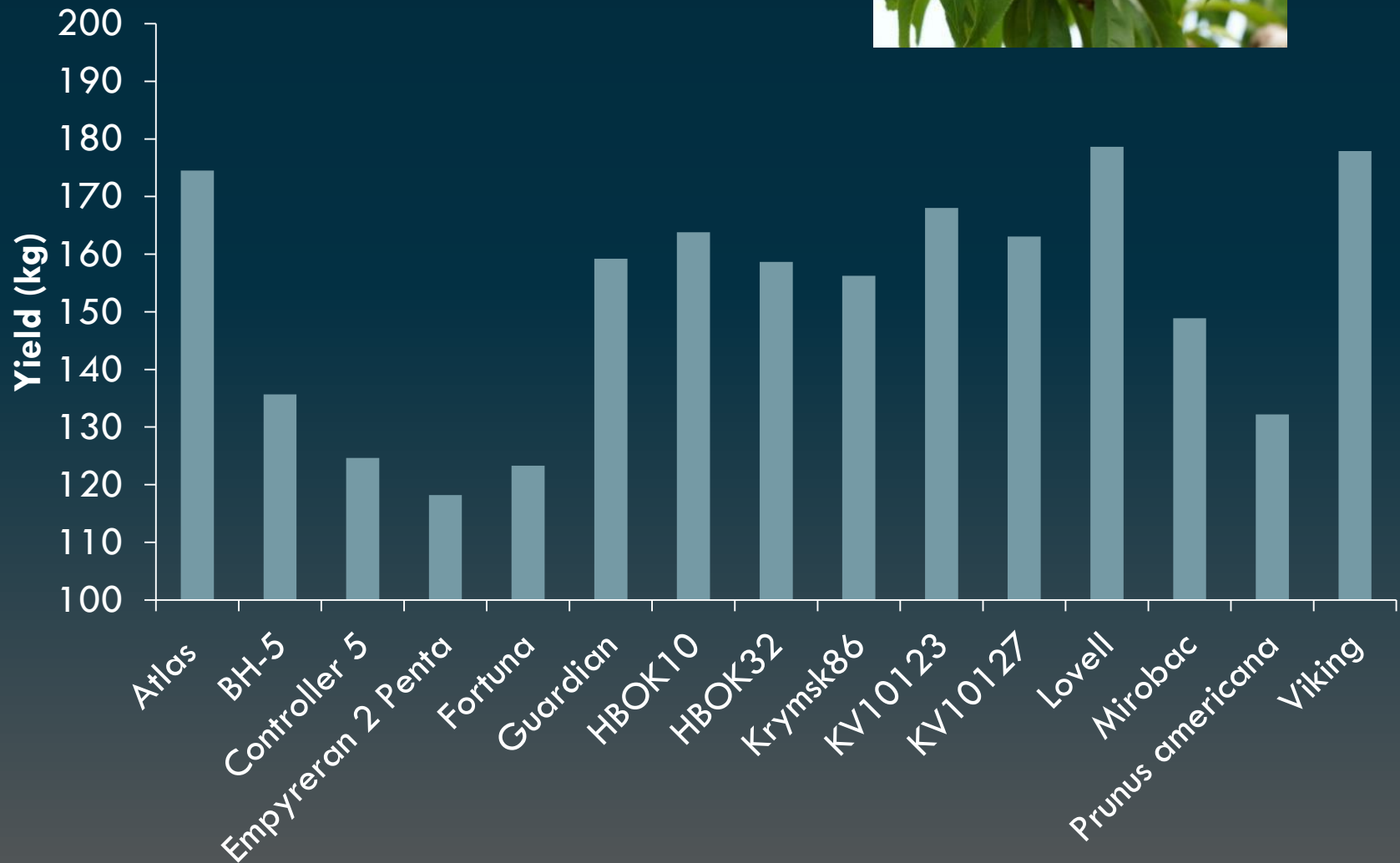
P9 Rootstock Survival



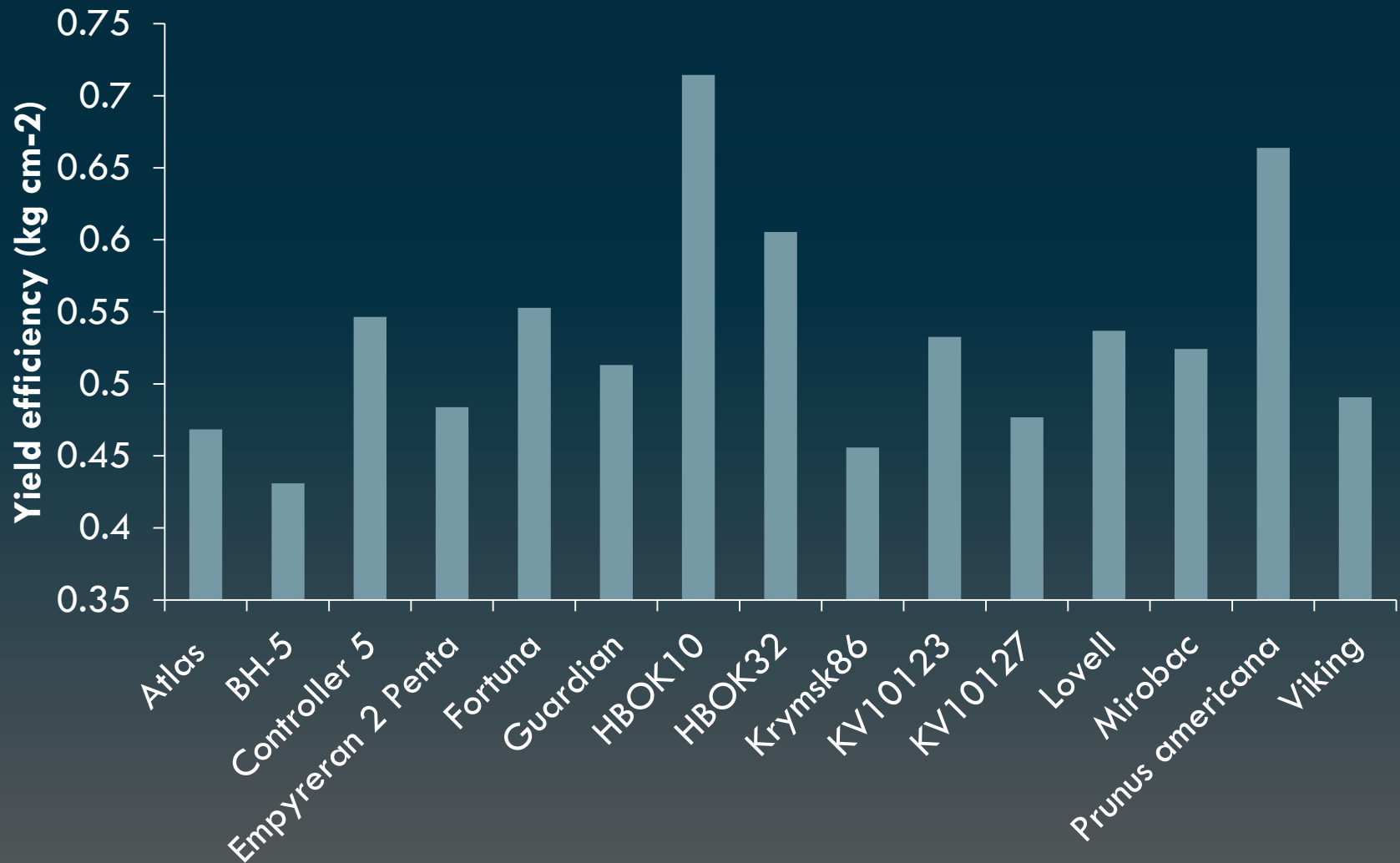
P9 – Tree Size



P9 – Cumulative Yield



P9 – Cumulative Yield Efficiency



2009 NC-140 Size-controlling Rootstocks

- Nine stocks give some tree size control
- Four (Imperial California, Krymsk 1, Viking & Fortuna) have unacceptably high mortality
 - In PA and in other NC-140 plantings

HBOK 10 – Controller™ 8

- Harrow Blood x Okinawa cross
 - P. persica cross from UC Davis
- A small semi-dwarf: 70% Lovell
- High cumulative yield
 - Similar yield to trees on standard rootstocks
- Yield efficiency (1st)
- Precocious
- Mortality = 0

HBOK 10, aka Controller 8™



Other Interesting Rootstocks in this Trial:

- KV10123
- Empyrean II (Penta)
- HBOK 32 (Controller 7™)

Conclusions

- Several promising new rootstocks with a range of tree size control
 - Good survival, productivity and free of flaws
 - Some are *P. persica* (HBOK 10 & 32, KV 10123, Guardian): less risk of incompatibility
- Reason for some optimism that we may soon have the missing key!