Quality management in supply chains

Disinfestation updates

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Summary of fruit fly disinfestation projects

- 3 trials
- 5 cultivars
- Irradiation, Vapour Heat Treatment (VHT) and Hot Water Treatment (HWT)
NMBP 1243 with higher brix* at ripe were found to have lower lenticel severity after gamma irradiation.
2. Pre-treatment Quality

Lenticel severity increases after Hot Water Treatment and Gamma irradiation if lenticels are already present.
Fruit treated with VHT or HWT had significantly lower incidence of RCD and stem end rot across.
4. Pre-ripening for Irradiation
Fruit stored at 30°C for 12 hours prior to HWT reduced the incidence of jelly seed.
6. Cultivar Specific Treatment

Very different cultivar response to gamma irradiation treatment demonstrated by the incidence of green skin.