



Demonstration 5: Flowering – Alternative to PBZ

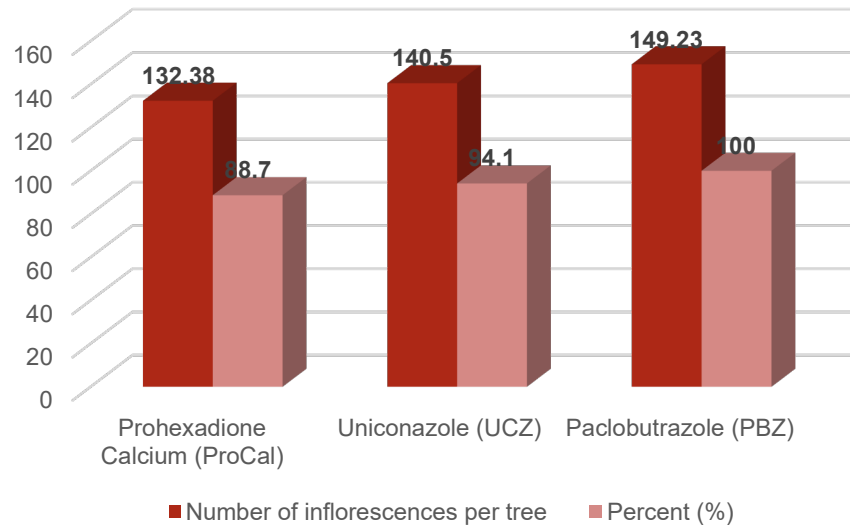
Aim

- Evaluate an alternative to Paclobutrazol (PBZ) &
- can chemical inputs can be reduced using alternative gibberellin synthesis inhibitors
- Build capacity to manipulate flowering & fruit production that will help farmers reliably access off-season markets

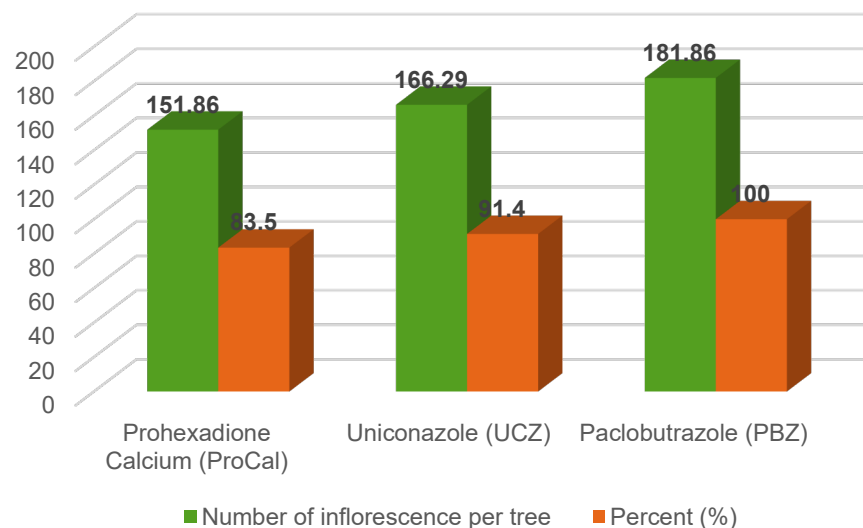
Method

PGRs applications

- Prohexadione calcium 10% - using 120g/10 litre water spray on leaves
- Uniconazol 5% - using 140g/15 litre water spray on leaves for 2 times weekly internally
- Paclobutrazol 20% - using 250g/10 litre water drench in the soil



Effect of PGRs on flowering of Cat Chu



Effect of PGRs on flowering of Cat Hoa Loc

What we learnt

Prohexadione calcium & Uniconazol does not affect:

- number of inflorescences,
- flower size,
- total number of fruit per tree,
- yield, fruit weight &
- fruit quality

What we recommend

- Prohexadione calcium & Uniconazol are replacements for PBZ
- Further studies are needed to determine reliable production for off-season fruit – including refinement of rates & application timing

