

Laser etching, a future tool for *Citrus* labeling



Ed Etxeberria



Produce are labeled following the Price-look-up (PLU) system.
Four digit ID code

Traceback component – aimed at identifying source and transfer links to retail marketing. Additional information.


Adhesive Tags




- Detachable
- Tag Build up in packingline
- Special Storage Rooms
- Permanent print

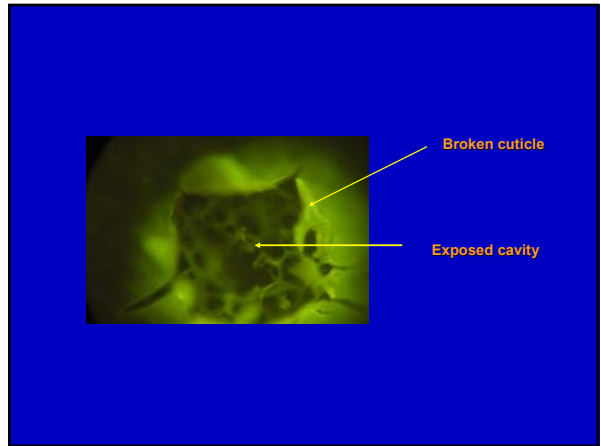
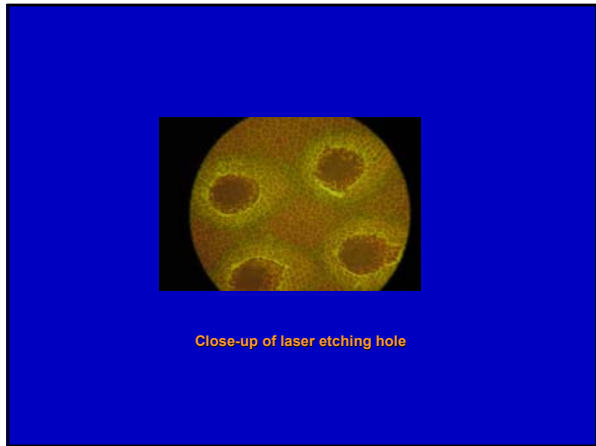
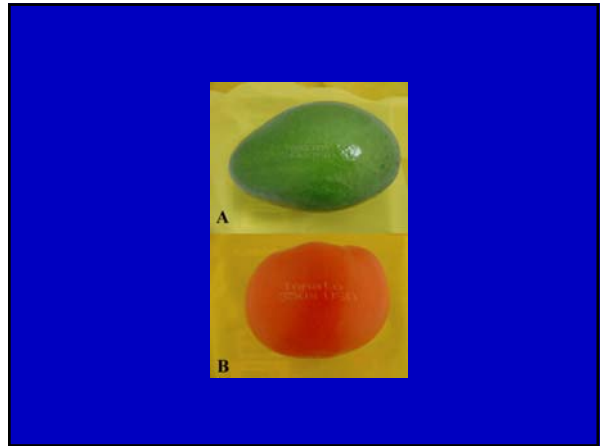
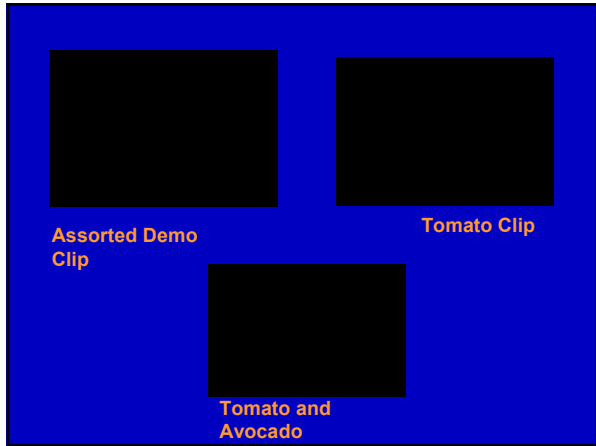
Labeling with low energy Carbon dioxide laser beam

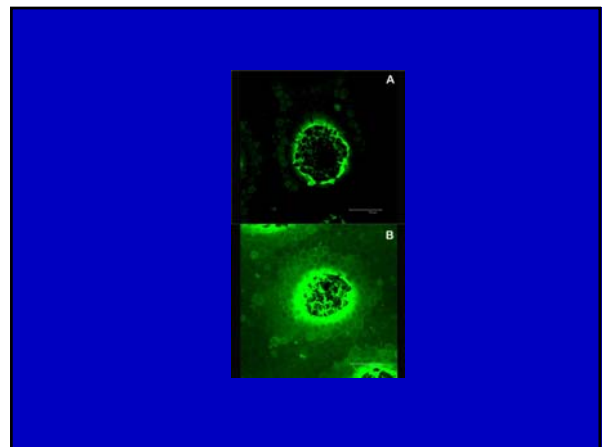
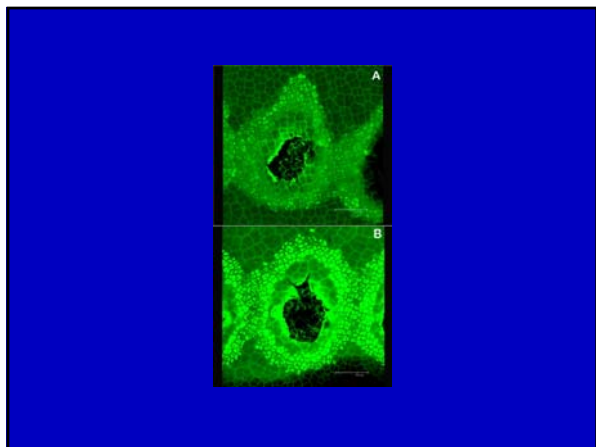
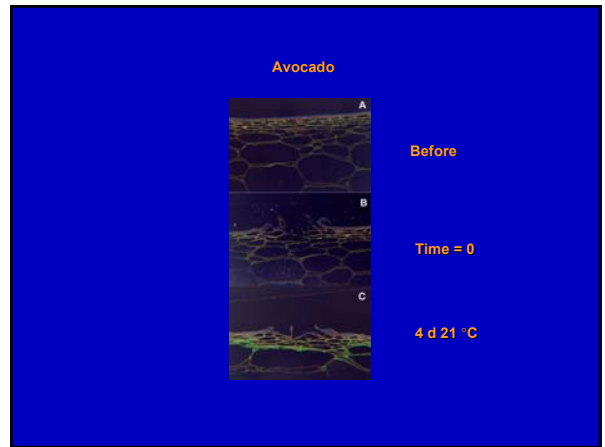
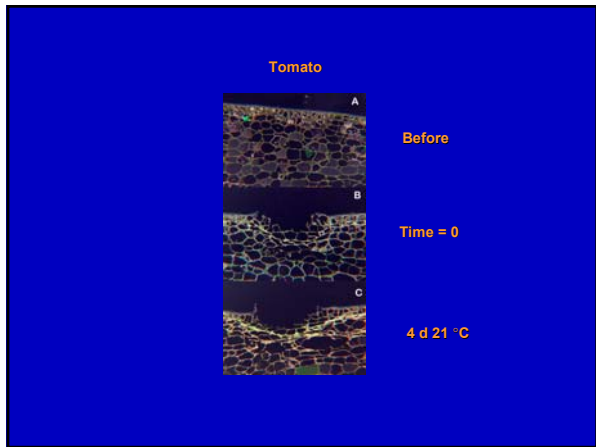
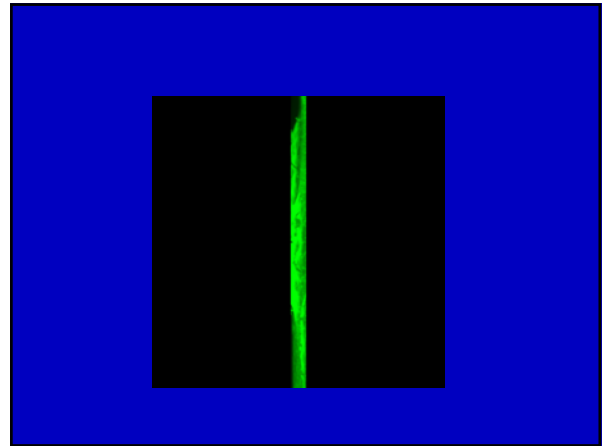
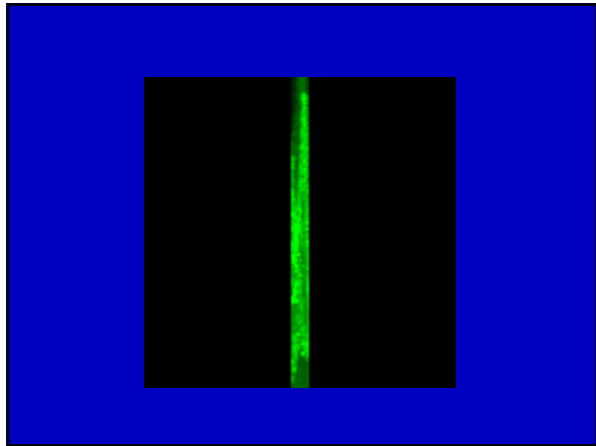
Permanent
Labeling information changed quickly
Clean
No storage Needed











Future work on Citrus



- Prevent dehydration
- Prevent mold
- Enhance appeal
- Optimize laser energy
- Timing of wax application