OLIVE OIL PROCESSING COURSE

Receival Area Fruit Classification & Sampling Washing – Storage



Processing Plant Manager

- Maximise oil yields.
 Minimise production costs.
 Obtain maximum quality oils.
 Make the most cost effective decisions at all
- Liaise with the grove manager/s.Liaise with marketing department.



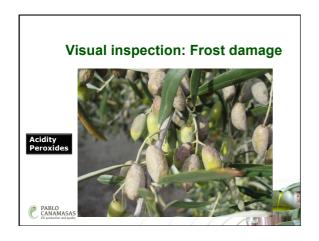
Fruit receival



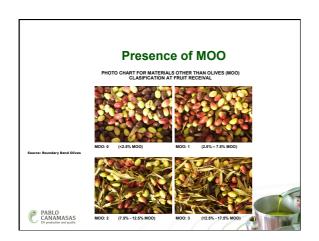












Presence of MOO

< 5.0% (0-1) 5.0-15.0% (2-3) 15.0-25.0% (4-5) > 25.0% Optimal: Good: Dangerous: Not acceptable:

- Feedback to grove manager about harvesters.
 Avoid astringent leaf flavours in the oil (More than 1% MOO).
 Avoid problems with washing equipment.

Leaves and branches should be removed at farm level!



Fruit temperature

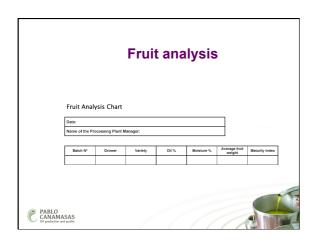
Fruit Temperature

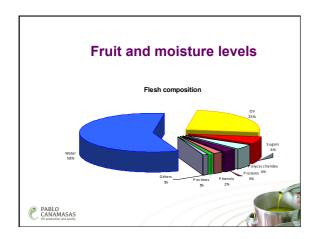
Optimal Good Increasing risk Quality affected Not acceptable < 5°C (9°F) above air T°
5-10° (9-18°F) above air T°
10-15° (18-27°F) above air T°
15-20° (27-36°F) above air T°
>20° (36°F) above air T°



Source: Boundary Bend Olives

Fruit sampling PABLE CANAL CA



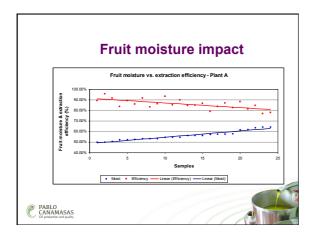


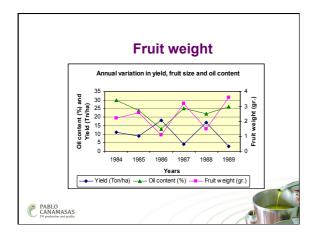


Oil and moisture content

Fruit moisture measurement

- Weigh cup without sample ("pc")
- Weigh fruit sample, approx. 5 grams ("pm")
 Put cup and sample in oven at 130°C/266°F for 1
- Take sample, turn it over and put it back in the oven for another 1 hour at the same temperature. Ensure no sample is lost during this step
- Take sample from oven and let it cool down in a dry place
- Weigh cup and dried sample ("pc+r")
- Fruit moisture $\% = (("pc"+"pm") ("pc+r")) \times 10$ "pm"



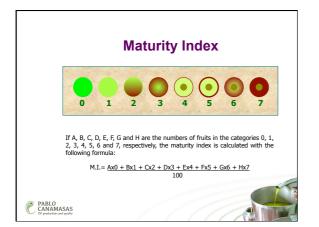


Flesh to pit ratio

Variety	Ratio	
Arbequina	3.7	
Barnea	4.3	
Coratina	4.1	
Koroneiki	3.2	
Picual	5.3	
Kalamata	5.9	
Manzanilla	10.0	
Leccino	3.5	

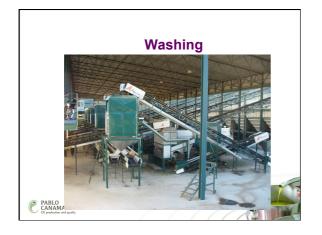


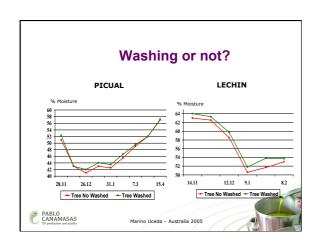


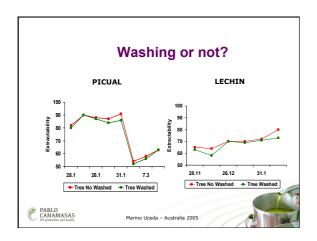


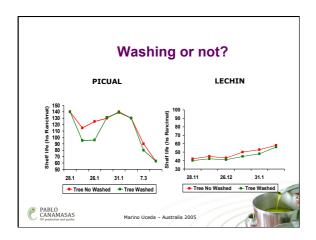


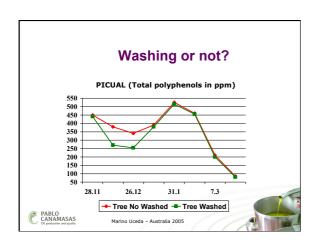


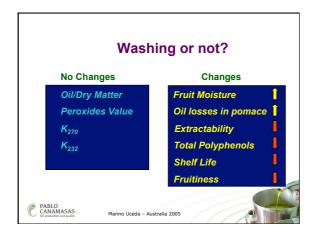


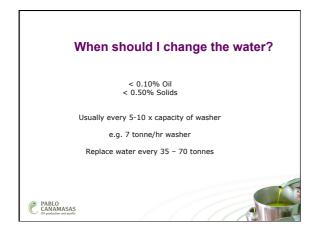


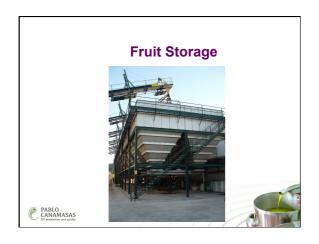
















Receival area assistant

Before the season:

- Suggest improvements in the receival area.
 General cleaning and maintenance of the receival equipment.

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 Inspection of the fruit and directing lines or washing needs.
 Fruit sampling.
 Changing washing water.
 Evaluating MOO after washing.
 Rotating fruit in clean fruit hoppers.



