









- Little known about Postharvest quality and storage potential of Local cultivars.
- Increase in production in recent years largely in response to consumer demand.
- Global production increase: fresh fruit and juice.





- Harvest stages: Early (2<sup>nd</sup> week September) and Late (4<sup>th</sup> week September)
- Regular air and controlled air storage; 3 months; 5° C, 90-95% R.H.
- Controlled air: 3% O<sub>2</sub>, 5% CO<sub>2</sub>, 5 °C, 90% to 95% R.H



## **Fruit Evaluation**

- Physical
- ≻Weight
- ≻ Color (Colorimeter)
- ➢ Skin smoothness (1-5)
- Disease incidence; Cercospora (0-3)
- ≻ Sunscald (0-3)
- ≻ Cracks, bruises (0-3)











## Physiochemical

- Titratable acidity: titrated to pH 8.2 with Mettler Toledo automatic titrator.
- 0.5µl juice+25 ml distilled water
- Expressed as % acidity.







<mark>% Formic A</mark> jection me	HPLC cid; Acetonitri thod: 0.4ml/n	le nin @ 74 bar.	
Time	% Formic Acid	% Acetonitrile	
2:00	95.0	5.0	
19:00	85.0	15.0	
20:00	80.0	20.0	
21:00	0.0	100.0	
24:00	0.0	100.0	28.57
24:01	95.0	5.0	3 1/
28:00	95.0	5.0	
		1. 1. 1. 1.	











• Fruit harvested unripe had lesser total soluble solids, less acidity and lower phytonutrient (anthocyanins) concentration.

