



53205

Fruit pressure tester

fruit firmness tester

fruit firmness

pulp hardness

handheld

analog

destructive



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Fruit pressure tester

fruit firmness tester

DESCRIPTION

This tool is perfectly fit to detect proper picking maturity and control fruit softening during cold storage. It measures the pressure necessary to force a plunger of specified size into the pulp of fruit.

SPECS

FEATURES

- 20 kg, wide capacity, high resolution, high accuracy, high repeatability
- 3 kind display unit: kg, lb, Newton
- full capacity zero (calibration) control capability
- fast/slow response time push button
- positive or reverse display direction select
- accessories (plungers 8 and 11 mm) are included
- table test stand is available (ref. 53205 SP)
- low power consumption gives long battery life
- build in low battery indicator

PREPARING SAMPLES

About ten days before normal picking time, control pulp firmness, repeat control each 6-7 days for winter pome-fruits, each 2-3 days for summer pome-fruits, and stone fruits. Take samples from several plants and several spots of each plant as a random sample will be more representative of the lot.

A suitable sample will be composed of 15-20 fruits; 2 measures have to be taken on each fruit at opposite sides, at the middle point of each side, after removing 1/2"-3/4" diameter disc of peel.

To avoid possible personal errors of measurement, you should place the left hand with the fruit to a wall or the ground, and while the right arm remains rigid push the penetrometer.

HAND HELD MEASUREMENT

Hold the fruit firmly in the left hand, hold the fruit tester between thumb and forefinger of the right hand, push button-commanded indicator hand, place the plunger against the fruit and press with increasing strength until the plunger tip is penetrated into the pulp up to the notch.

Slow penetration of the plunger is essential. Sharp movements and sudden pressure application may impair your measurements. In order to avoid mistakes and to assure slow penetration of the plunger, make sure that the hand holding the fruit is firm, leaning it on the table, and keep the arm rigid.

TEST STAND MEASUREMENT

When make the measurement, the SENSING HEAD along the adapter has to be on a line with measuring fruit.