



# FRUIT FIRMNESS TESTING

## Approximate Firmness Levels for Acceptable Flavor Quality

The Fruit Firmness Chart will assist in selecting the appropriate Wagner FT Fruit Tester.

The fruit firmness levels in the chart are an approximate guide for harvesting, shipping and eating of the more popular fruits. Local experience of acceptable firmness levels of the specific fruit variety is most important.

### FT Fruit Tester Selection

Consider your use for correct FT Fruit Tester selection.

- For harvest and ship, use the HARVEST column (lbf or kgf)  
For example: Apple, 16 lbf / 8 kgf, select: FT30 (30 lbf / 14 kgf) for firmness readings approximately 1/2 the FT capacity.
- The Firmness numbers in the EAT column are for reference only since testing is not normally performed at this point.

### Niveles Aproximados de Firmeza Para la Calidad Aceptable del Sabor.

La gráfica de la firmeza de la fruta le ayudará en la selección del apropiado probador de fruta de Wagner - FT Fruit Tester.

Los niveles de firmeza en la gráfica son una guía aproximada para la recolección, envío, y consumo de las más populares frutas. La experiencia local de los niveles de aceptación de la firmeza específica en la variedad de los frutos es lo más importante.

### FT Fruit Tester - Selección del probador de Fruta

Considere su uso para la selección correcta de su probador de fruta - FT Fruit Tester.

- Para la recolección y envío, use la columna de recolección; HARVEST - lbf o kgf  
Por ejemplo: apple (manzana), 16 lbf / 8 kgf, selección: FT30 (30 lbf / 14 kgf) para la lectura de la firmeza aproximadamente la 1/2 de la capacidad FT.
- Los números de la firmeza en la columna de **EAT**, son únicamente para referencia. Puesto que la prueba no se realiza normalmente en este momento.

FRUIT	FT MODEL	TIP SIZE	HARVEST lbf [kgf]	SHIP lbf [kgf]	EAT lbf [kgf]
APPLE	30	7/16" [11 mm]	16 lbf [8 kgf]	10 - 14 lbf [5 - 6 kgf]	8 lbf [4 kgf]
APRICOT	20	5/16" [8 mm]	12 - 14 lbf [6 - 7 kgf]	12 lbf [6 kgf]	—
AVOCADO	40	1/4" [6 mm]	30 - 32 lbf [14 - 15 kgf]	18 - 22 lbf [8 - 10 kgf]	—
CANTALOUPE	20	5/16" [8 mm]	8 - 9 lbf [4 - 5 kgf]	6 - 7 lbf [3 - 4 kgf]	5 lbf [3 kgf]
HONEYDEW	20	5/16" [8 mm]	10 lbf [5 kgf]	7 lbf [4 kgf]	5 lbf [3 kgf]
KIWI	30	5/16" [8 mm]	14 - 18 lbf [7 - 8 kgf]	5 - 10 lbf [3 - 5 kgf]	2 - 3 lbf [1 - 2 kgf]
MANGO	30	5/16" [8 mm]	16 - 18 lbf [8 - 9 kgf]	6 - 10 lbf [3 - 5 kgf]	3 lbf [2 kgf]
NECTARINE	20	5/16" [8 mm]	12 lbf [6 kgf]	10 - 14 lbf [5 - 7 kgf]	2 - 3 lbf [1 - 2 kgf]
ORANGE	10	5/16" [8 mm]	—	4 - 5 lbf [2 - 3 kgf]	—
PEAR/ANJOU	30	7/16" [11 mm]	15 lbf [7 kgf]	10 - 14 lbf [5 - 7 kgf]	3 lbf [2 kgf]
PEAR/ASIAN	30	7/16" [11 mm]	13 lbf [6 kgf]	7 - 10 lbf [4 - 5 kgf]	3 lbf [2 kgf]
PEAR/BARTLETT	30	7/16" [11 mm]	19 - 22 lbf [9 - 10 kgf]	15 - 18 lbf [7 - 9 kgf]	3 lbf [2 kgf]
PEAR/BOSC	30	7/16" [11 mm]	16 lbf [8 kgf]	11 - 13 lbf [5 - 6 kgf]	3 lbf [2 kgf]
PEACH	20	5/16" [8 mm]	12 - 14 lbf [6 - 7 kgf]	12 lbf [6 kgf]	2 - 3 lbf [1 - 2 kgf]
PERSIMMON	10	5/16" [8 mm]	—	5 lbf [3 kgf]	—
PLUM	10	5/16" [8 mm]	6 lbf [3 kgf]	4 - 5 lbf [2 - 3 kgf]	2 - 3 lbf [1 - 2 kgf]