

Hand Labor Cost vs Machinery Cost

10,815 grams of green leaf

Hand Plucked

- 700 g per person per hour
- 15.45 hours of labor
- \$15.00/hr
- \$231.75 total

Machine Harvested

- 10,959 g harvested in 45 mins
- 2 people using machine @ \$15/hr
- 1.5 hours of labor
- Sorted in 20 mins
- Additional 40 mins labor
- \$32.50 total

How Much Tea Is Made

- 10,815 g green leaf
- 4.5 to 1 ration green to made
- 2403g / 5.29lbs made
- Hand Plucked – \$43.81/lb pluck labor
- Machine Harvested- \$6.14/lb pluck labor

Anticipated Estimation Of Cost Of Machine - \$15,000
If you make 400 lbs of tea, you pay for the machine.
(This can be made from 500-800 plants in the US in 1 Year)

