

## Phuong's Improvements as Fruit per Plant and Kg per m<sup>2</sup>

Below is a summary of Phuong's planting and production output from a block of 8 small glasshouses.

Output before improving production practices **Crop value at \$1.80/kg**

Glasshouse size 150m m <sup>2</sup> x 8 glasshouses	1,200m <sup>2</sup>	
Plants per block (600 per house)	4800	
Plants per m <sup>2</sup>	4	
Average number of fruit per plant	10	
Total fruit per block	48,000	
Average Kg of fruit per plant	3.75	
Total Kg per block	18,000	<b>\$32,400</b>

Current output at the same value

Glasshouse size 150m m <sup>2</sup> x 8 glasshouses	1,200m <sup>2</sup>	
Plants per block (600 per house)	3996	
Plants per m <sup>2</sup>	3.33	
Average number of fruit per plant	20	
Total fruit per block	79,920	
Average Kg of fruit per plant	7.5	
Total Kg per block	29,970	<b>\$53,946</b>

## SUMMARY OF IMPROVEMENTS

	Phuong's Farm ( Before Improvements)	Phuong's Farm ( After Improvements)
<b>Number of plants per square metre</b>	4.0	3.33
<b>Fruit per plant</b>	10	20.0
<b>Kilograms per square metre</b>	15	24.975
<b>Farm Returns per square metre</b>	\$27.00	\$44.96
<b>IMPROVEMENT IN TOTAL YIELD</b>	<b>+ 11,970 Kgs</b>	<b>+ \$21,546 at 1.80/kg</b>
		<b>+ %66.5</b>

### Comments on Improvements:

- The number of plants per square metre decreased from 4 to 3.33 (a reduction of 16.8%).
- However the number of fruit per plant increased from 10 to 20 (an increase of 100%).
- Clearly the increase in fruit per plant is a key benefit of this improved management system.
- Kilograms per square metre were reasonably high (for a glasshouse operation) at 15 Kgs per sq metre. However as a result of the changes this increased to 24.98 Kgs per square metre (an increase of 66.5%).
- Farm returns increased significantly from \$32,400 to \$53,946 an increase of 66.5%