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### Note:

1. Pesticides should be applied before bagging.
2. After bagging, check for damage in the bagging material and change it if applicable, especially following continuous heavy rain.



**A comparison of bagged (right) and non bagged longan fruits (left)**



## Enhance color by bagging

### Right time for bagging

Bagging should start 3-4 months after fruit set or at least 8 wk. before harvest.



### Bagging materials

Any material that light cannot pass through such as brown paper bag can be used. If newspaper is used, two layers is recommended and should cover an entire fruit panicle.





## Fruit thinning for bigger fruits

### Procedures

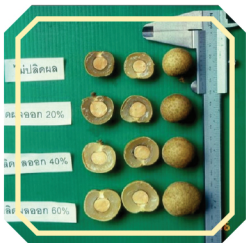
1. When fruit set is heavy (more than 100 fruits/panicle) fruit thinning is recommended. Thinning should be done early on, about 2-3 months after fruit set when the fruit is about the size of a soy bean seed (0.5cm.) This will increase the size of the remaining fruits.



2. Using secretia to cut, remove 1/3 to 1/2 of the panicle length, leaving 40-60 fruits2 panicle.



3. After thinning, the remaining fruits will become bigger than the non thinning panicle fruits. If this is performed on side controlled trees such as flat shaped training trees, it can be done more efficiently and faster.



## Applying fertilizers

Fertilizer recommendation for improving fruit quality should be applied from fruit set to harvest as follows:

1. Mix equal parts of compound fertilizers, 46-0-0, 15-15-15, and 0-0-60.
2. Calculate the amount of fertilizer needed based in estimated yield as shown in the table below. Split into 2-3 applications during fruit development (April – June).

### Procedures

Estimate yield Per tree (kg)	Recommend fertilizer per tree (kg)
50	1.3
100	2.7
200	5.5

Folia fertilizer application (alternative method for heavy cropping only)

1. Apply while fruits are still small (March – May) with mixed liquid fertilizers.  
50 g of 13-0-46  
10 g of 0-52-34 and Dissolve in 20 L of water. Folia spray one a month.  
30 g of 46-0-0
2. One month before harvest (June – July), folia spray with 50 g of 13-0-46 in 20 L of water to increase sweetness.



Longan fruits show signs of nutrient insufficiency.

## Longan Quality Improvement

### METHODS OF IMPROVEMENT

## Nutrient Management



MEAJO LONGAN RESEARCH & DEVELOPEMENT