



## Plantation Applications

**Two types of TEMESI Compost are available** (both types are free of weed seeds, pests and pathogens)

1. Raw Compost (Kompos Mentah): **Only for top-dressing**  
Specification: Nitrate/Ammonium Ratio = 2 to 20, therefore not fully cured, might smell of ammonia  
Note: If raw compost is mixed with soil it will continue to cure. Instead that compost adds nutrients to the soil, the curing microorganisms rob nitrogen from the soil to build their own body mass.
2. Cured Compost (Kompost Matang): **For all other applications**  
Specification: Nitrate/Ammonium Ratio = minimum 20, therefore virtually cured with pleasant earthy smell.

### Advantages of compost applications in plantations:

- Slow release fertilizer  
compost releases nutrients continuously over a year or more
- Replacement of chemical fertilizer  
should be done by gradually phasing out chemical fertilizers and phasing in compost
- Recycles vital minerals that improve taste  
these compost minerals improve the taste of fruits and vegetables
- Growing the humus layer  
compost enriches the soil with humus and beneficial microorganisms

### Recommended use:

1 kg compost = ~ 1.5 liter

Plant Type	Use per m <sup>2</sup>	Use per are	Compost Type
<b><u>If applied as top-dressing:</u></b>			
Turf in parks, gardens, golf courses, etc	2 - 4 kg/m <sup>2</sup>	200 - 400 kg/are	Raw Compost
Trees like mango, apples, clove, oil palm, tea, etc	3 - 4 kg/m <sup>2</sup>	300 - 400 kg/are	Raw Compost
Rice fields	2 - 4 kg/m <sup>2</sup>	200 - 400 kg/are	Raw Compost
<b><u>If mixed with top soil:</u></b>			
Flowers	2 - 3 kg/m <sup>2</sup>	200 - 300 kg/are	Cured Compost
Vegetables (lettuce, cabbage, tomatoes, corn, etc)	4 - 6 kg/m <sup>2</sup>	400 - 600 kg/are	Cured Compost
Vegetables (spinach, beans, salad, etc)	2 - 4 kg/m <sup>2</sup>	200 - 400 kg/are	Cured Compost
Fruits	3 - 4 kg/m <sup>2</sup>	300 - 400 kg/are	Cured Compost
Staple food (rice, soya, etc)	2 - 4 kg/m <sup>2</sup>	200 - 400 kg/are	Cured Compost
Plants (sugar cane, tobacco, cotton, etc)	3 - 4 kg/m <sup>2</sup>	300 - 400 kg/are	Cured Compost
New landscaping, garden soil and lawn renovation	up to 40 kg/m <sup>2</sup>	up to 4 tons /are	Cured Compost

Notes: Turf applications: See also Technical Note No. 7: Turf Applications

Tree applications: See also Technical Note No. 5: Tree and Shrub Applications.

### Useful hints for application:

- Bali compost has a relatively high salt content. If compost has been blended with top soil, the area should be watered to wash out excess salt that could potentially hurt the new plants.
- Only fully cured compost should be mixed with soil as explained above in 1. Raw Compost (nitrogen rob).
- Raw compost will continue to cure, if applied as top-dressing.