

**COMPARISON BETWEEN  
PERDANA HIJAU<sup>19+3</sup> NANOCOMPLEX FERTILIZERS  
AND OTHER COMMERCIAL FERTILIZERS**

|     | Perdana Hijau <sup>19+3</sup><br>Nanocomplex Fertilizers                                                                                               | Commercial Compounds                                                                                                                 |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | Uses Mechanochemistry Technology which renders all active ingredients directly to the cell in its pure state.                                          | Uses blending, mixing and other conventional methods to make the fertilizers.                                                        |
| 2.  | Contain 19 elements of macro and micro importance such as N, P, K, Mg, Ca, S, Co, Cu, Si, B, Fe, Mo, Zn, Cl, Mn, Ni, S, and 3 organic acids.           | Only contain N, P, K and minimum of TE if any.                                                                                       |
| 3.  | Made specifically for Crop be it Monocot or Dicot.                                                                                                     | Based on fixed ratios eg. 12:12:17:2 or 15:15:15                                                                                     |
| 4.  | Uses Natural Plant Lignin in the form of organoligands as its chelating agent.                                                                         | Do not use chelates for commercial grades only high end products which are relatively expensive.                                     |
| 5.  | Balanced nutrient input enabling high efficiency of applied nutrients.                                                                                 | Nutrients given not proportionate with excesses of some elements and insufficiency of others.                                        |
| 6.  | All nutrients present at all times strengthening plant against stress and diseases.                                                                    | Not all nutrients are present.                                                                                                       |
| 7.  | Slow release components with Nano bonding that allows minimal leaching qualities even with heavy rains.                                                | Heavy leaching occurs when rainy season or floods.                                                                                   |
| 8.  | Fertilizer not visible after just 7 days if no rains or drought season.                                                                                | Fertilizer still visible on the ground even after 3 months if no rains.                                                              |
| 9.  | Contain Soil Conditioning components that initially stabilize soil pH to ideal condition for nutrient uptake. Continued use helps condition soil more. | Soil becomes acidic over continued use. Have to use soil conditioners or other soil fertility enhancing components that add on cost. |
| 10. | Increases effectiveness of fertilizer reducing crop production cost.                                                                                   | Increased nitrate and nitrite content in plant after long usage will reduce quality of product and impede production.                |
| 11. | Will increase yields by between 25 to 100% with continued use.                                                                                         | Cannot guarantee high yields.                                                                                                        |
| 12. | Fertilizer form doesn't change with time as long as packaging is not compromised or torn.                                                              | Fertilizer form changes if kept too long.                                                                                            |

**CROP USAGE**

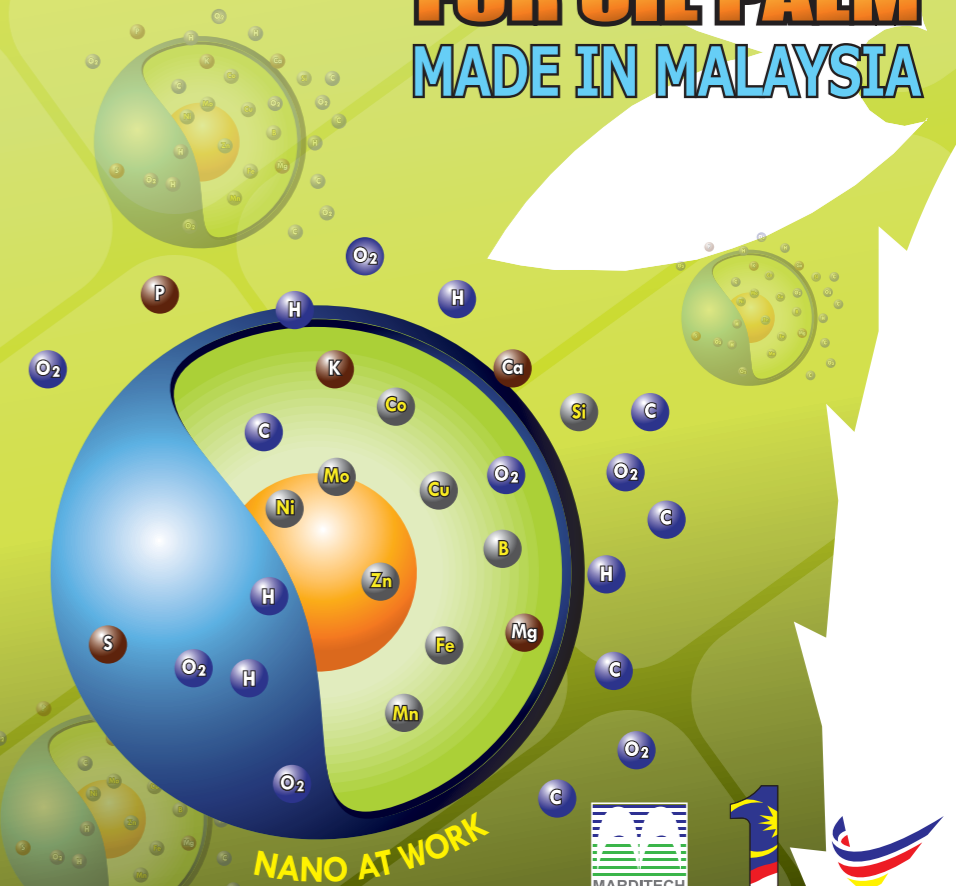
| MONOCOT               |                    | DICOT               |                     |
|-----------------------|--------------------|---------------------|---------------------|
| Oil Palm I (Immature) | Bananas            | Cocoa I (Immature)  | Chilli              |
| Oil Palm II (Mature)  | Turf Basal         | Cocoa II (Mature)   | Sweet Potato        |
| Padi I                | Turf Maintenance   | Rubber I (Immature) | Potato I (Immature) |
| Padi II               | Turf Greening      | Rubber I (Mature)-S | Potato I (Mature)   |
| Pasture               | Onion I (Immature) | Citrus              | Tapioca             |
| Coconut I (Immature)  | Onion II (Mature)  | Tropical Fruits     | Tomato              |
| Coconut II (Mature)   | Ginger (Peat)      | Mango               | Leafy Vegetables    |
| Legumes               | Ginger (Upland)    | Papaya              | Tea                 |



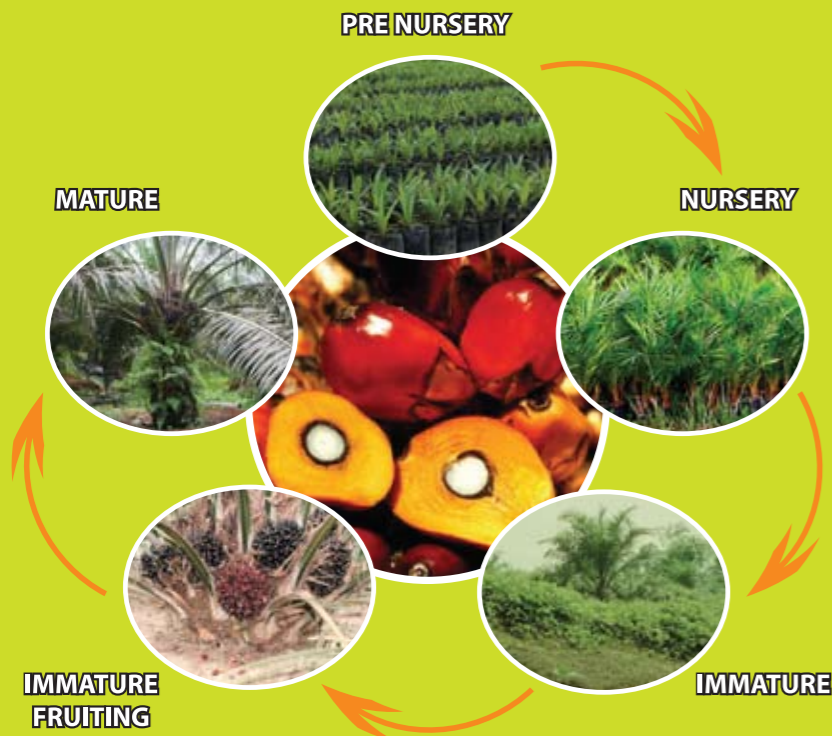
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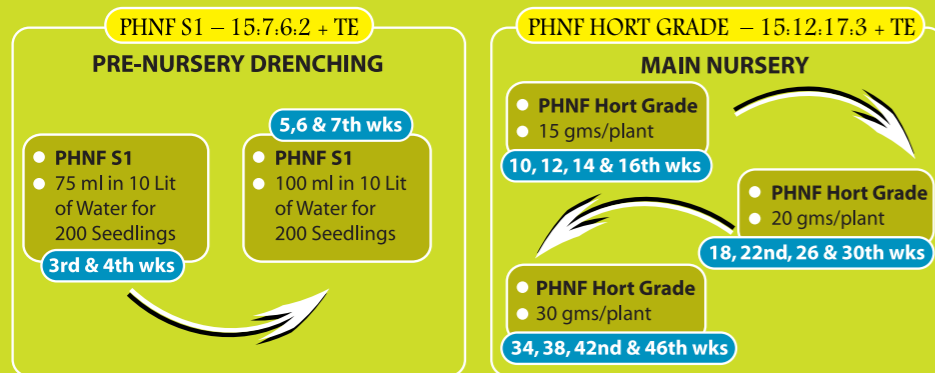
**NANOCOMPLEX FERTILIZER  
FOR OIL PALM  
MADE IN MALAYSIA**



## THE PLANT CYCLE



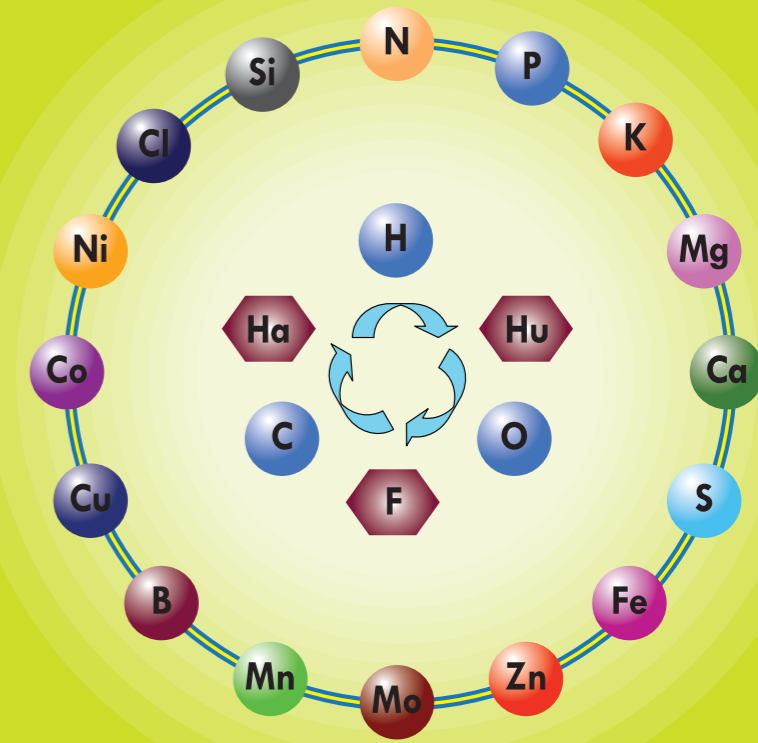
## RECOMMENDATIONS



## THE BENEFITS OF USING PERDANA HIJAU<sup>19+3</sup> NANOCOMPLEX FERTILIZERS

1. Activates Bio Catalytic processes in the soil
2. Balances soil pH
3. Soil water holding capacity Improves
4. Induces root growth
5. No water needed for absorption into soil
6. Tailor made for monocots and dicots
7. Total balanced nutrition with growth regulators
8. Increases leaf and frond size
9. Increases photosynthetic activity
10. Stimulates flowering
11. Reduces disease proliferation
12. Reduces nutrient volatilization
13. Creates healthier and more vigorous plants
14. Minimal loss due to leaching
15. Crops require lesser time to mature
16. Boosts heavier crop sets
17. Generates sweeter fruits
18. Yield increases significantly
19. Higher oil extraction ratios over time
20. Input cost is lowered
21. Value for money

## THE COMPLETE NUTRIENT CYCLE



## RECOMMENDATIONS

