Rootmoist

for oil palm, turf and plant

water retaining polymer

drought rescue
last more than 5 years

- **Weather is unpredictable. Agronomy and horticultural activities depend heavily on water supply; in large scale planting (plantation), the planting tasks are schedule based on weather prediction. These cause tremendous uncertainty that lead to delay of work and high casualty rate.; and end up incurred of unexpected extra cost.**
- **Rootmoist can perfectly overcome the unpredictable weather condition. Planting work can be carry out whole year round.**
- **Reduces labour and material/seedling cost due to replacement of unsurvive seedling.**
- **Rootmoist absorbs water up to 250 times of its weight and up to 400 times of its volume when apply into soil medium in planting hole/bed.**
- **Rootmoist forms hydro gel suspended around roots. Hydrates, then releases water on demand, over and over for years.**
- **Nontoxic, biodegradable, safe to use.**
- **Result in higher quality plants that consume lesser water; makes inputs more efficient.**
- **Proven by field trial conducted by plantation research center.**

Packing

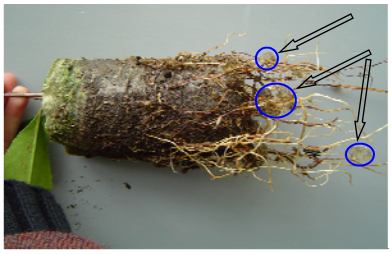




20 kg per bag

Benefits

1. **Higher germination rate and rapid emergence when apply to newly sowing seed.**
2. **Provide cooling effect and moistening root zone of newly planted seedling or turf.**
3. **Enhanced root development; hence, produce lush and healthy vegetative growth.**
4. **Help plant to overcome the hard surviving drought period.**
5. **Result in more consistent and healthy stands in plantation.**
6. **Potential for holding water-soluble nutrients held in root zone for longer period, less leaching.**
7. **Efficient utilization of inputs (water and fertilizer).**
8. **Less watering, fewer irrigation cycles, less labor and cost.**
9. **The polymer is fully decomposable.**





Root penetrate through Rootmoist hydro gel.



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Technical Specification

Appearance	:White crystal/granule
Particle size	: 1.6 to 4.0mm
Moisture	: 10%
Usage pH range	: 5-9
Usage lifespan (room)	: 8 years
Shelf-life in store	:16 years



Application Method/Rate

1. Seedling in polybag
   - Apply 0.1% to 0.3% of planting medium weight.
   - Mix the dry Rootmoist at the high of 1/2 — 2/3 from bottom of container/polybag.
   - Usage rate guide:

Container/ polybag size	Rootmoist (g)
1 L	2
2 L	4
4 L	8
8 L	16

Container/ polybag size	Rootmoist (g)
10 L	20
20 L	30
30 L	40
40 L	50

2. Incorporate into planting hole
   - Sprinkle the dry Rootmoist into planting hole before erect the plant/seedling.
   - Usage rate guide:

Planting Hole Size	Rootmoist (g)
0.03 m^3	30
0.5 m^3	200
1 m^3	300

3. Incorporate into planting bed
   - Sprinkle and mix the dry Rootmoist into 50mm depth of the planting bed before shrubs, ground covers planting or lay the turf (sod/stolon).
   - Usage rate guide: 40g per m^2.

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