





















SUMMARY

- 1. Alive green area's advantages and beneficial Impact on environment
- 2. Alive Green Area's Inconvenient
- 3. What is possible to do to reduce Inconvenient
- 4. This grass is Zoysia Tenuifolia coming from the volcano slop of Mascareigne
- 5. Zoysia Tenuifolia can reduce the Inconvenient better than others Grass
- 6. Maintenance Schedule of Zoysia Tenuifolia
- 7. Qatar Green and Qatar Eco-label (non Official- Draft)







1- ALIVE GREEN AREA"S ADVANTAGE & BENEFICIAL IMPACT ON ENVIRONMENT

- ➤ Reduce atmospheric Pollution & contribute to the GHG reduction like CO2
- Dust and fine particles trap
- Cooling Catalyst: Cooling effect by Evapotranspiration
- ➤ Purifying water filter: Capacity to fix Chemicals elements through its Rhizome network
- ➤ Soil protection against erosion: Roots & Rhizome network
- Noise reduction : Sound Wave Attenuation & Diffusion







2-ALIVE GREEN AREA'S INCONVENIENT



✓ CO2 Release :

Photorespiration: Release a little part of fixed CO2

Maintenance Activities: Normal Mowing little quantity released – Hard Maintenance high Quantity released

COST of water consumption and Maintenance







3-WHAT'S IS POSSIBLE TO DO TO REDUCE INCONVENIENT

✓ Decreasing Water Consumption: HOW ?

In using the Grass having the Lowest growing and Evapotranspiration rate of C4 Plant.

✓ Decreasing CO2 Release: HOW ?

In using the Grass which have the lowest water consumption, and Mowing Frequency of C4 Plant and if possible No HARD MAINTENANCE (Aeration & Verti-cutting) too,

✓ Saving COST on the water consumption and Maintenance, can allow to use a part of this saved amount to support Sustainability initiatives







4-THIS GRASS IS ZOYSIA TENUIFOLIA COMING FROM VOLCANO SLOP OF MASCAREIGNES















5-ZOYSIA TENUIFOLIA CAN REDUCE THE INCONVENIENT BETTER THAN OTHERS GRASS

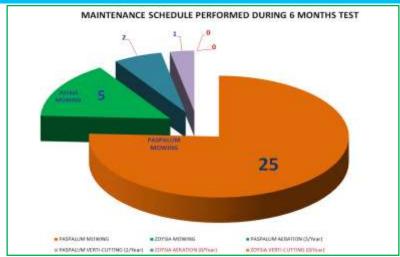
Rhizomes Runners C4-Zoysia Tenuifolia



Stolon Runners C4-Paspalum Vaginatum (All Paspalum)















6-MAINTENANCE SCHEDULE OF ZOYSIA TENUIFOLIA

| | J | F | M | А | М | J | J | Α | S | 0 | N | D |
|---|----------------|----------|---------|------|--------------------|--------------------|--------------------|---|--------------------|------|------|------|
| Watering L/Sqm/Day | 2 | 2,5 | 2,5 | 3 | 5 | 5 | 5,2 | 5,2 | 5 | 3 | 2,5 | 2,5 |
| Mowing Mow/xDays | 0 | 1/60 | 1/30 | 1/30 | 1/20 to 1/30 | 1/20 to 1/30 | 1/20 to 1/30 | 1/20 to 1/30 | 1/20 to 1/30 | 1/30 | 1/30 | 1/60 |
| Fertilizer N2 or NPK Depend what need grass | | | | | 1 x | | | | | 1 x | | |
| Aerification Not Mandatory | 1 x (optional) | | tional) | | | | | 3 | 1 x (optional) | | | |
| Anti-germination Not Mandatory | 1 x (o | ptional) | | 2 | 8 3 | | 8 | | | | 8 8 | |
| Herbicide Only if required | | A | | ě | | | | ŭ : : : : : : : : : : : : : : : : : : : | | | 0 0 | |

DURING QATARI SUMMER WITH ZOYSIA TENUIFOLIA WATERING CAN BE ONLY: 5,2 L/Sqm/DAY

- ZOYSIA TENUIFOLIA have 2 inconvenient:
 - 1) Only Helicoidal Reel Mower can be used otherwise a risk of Engine Damage exist on the Rotary Mower and the cut is less quality and clean than a reel mower.
 - 2) The Mowing Schedule shall be respected ± 1 week in summer due to the difficulty to mow when is to high.





7-GREEN & ECO-LABEL QATAR



























