



## SUMMARY TRIAL REPORT

# The Use of TerraCottem<sup>®</sup> Universal in Roof Gardens



**Fairplay Golf Hotel & Spa**  
Benalup, Spain (2009)



**Bratislava Business Center**  
Slovakia  
J. Brabac design



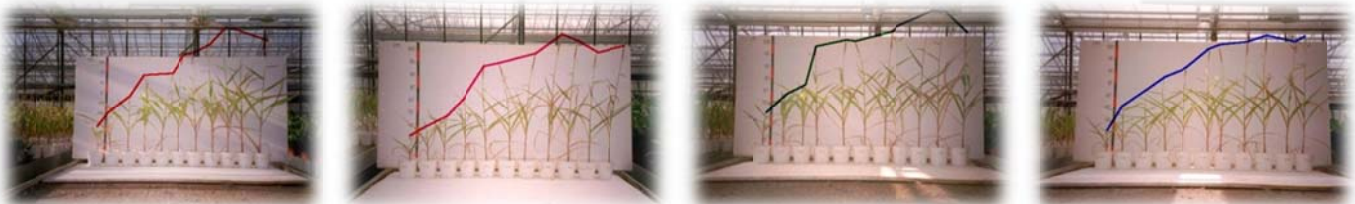
**Darling Harbour Park**  
Sydney, Australia

A roof garden is generally a garden in an unusual place, often with limited access where plants are devoid of a nourishing soil. The plants on roofs, balconies (pots) and walls (green walls) are often confronted with a low volume of substrate that needs a substantial amount of input of water and nutrients.

By incorporating the TerraCottem<sup>®</sup> soil conditioner into the growing media, plant growth is improved as well as the substrate's water and nutrient holding capacity which increase plant survival rate and help maintain healthy looking plants.

### 1. Rates

- Metric  
100 grams per m<sup>2</sup> area or 500 grams per m<sup>3</sup> growing media mixed off-site
- Imperial  
3 ounces per yd<sup>2</sup> area  
or 20.5 pounds (avoirdupois) per 1,000 square feet  
or 13.5 ounces per yd<sup>3</sup> growing media mixed off-site



*Growth of Zea mays L. in various roof garden substrates with different application rates of TCU  
(from left to right: 0, 1, 2, 3, 4, ..., 10 kg / m<sup>3</sup>) at the Belgian Experimental Station for Ornamental Plants PCS*

### 2. Application Method

- Apply TerraCottem<sup>®</sup> Universal to surface area at recommended rate with a fertilizer spreader or mix off-site with growing media and apply this mixture to surface or apply TerraCottem<sup>®</sup> Universal manually at recommended rate (for smaller areas)
- Mix into the root zone to a depth of 20 cm/8 inches
- Firm soil.
- Prepare soil for seeding
- Seed, sod, sprig or plant shrubs and flower beds.
- Water thoroughly.

*TerraCottem<sup>®</sup> Universal can be used alone or to complement other methods, materials and techniques*

### 3. References

#### Administration Centre

Palmovka, Czech Republic, 2000



*Just after completion (Root zone depth: 20cm)*



*Six weeks after completion*

#### KOC Smichov

Czech Republic

Root zone depth: 10cm; Rate: 500g TCU per m<sup>3</sup>



*First spring after planting (03/2001)*



*Seven months later (06/2002)*



*Wall, first spring after planting*



*Seven months later*