

# *Turf Solutions*

## Cobtree Manor Golf Club

- New Putting Green constructed April 2007.
- Over seeded twice in April with a Fescue/Bent seed mixture application rate 35 grams/m<sup>2</sup>.
- Plan is for green to be open for play late 2007

### Weather Conditions

- April 2007 was the hottest and driest on record with 1mm rainfall recorded and temperatures consistently over 25 degrees C.
- May, June, July record wet temperatures.
- August also wet with below average temperatures making grow in very challenging for Greenstaff.

### April 2007

- Rootzone 80/20 sand/soil mixture - prior to initial Hydro seeding operation.

### Fertilizing & Overseeding

- Seed mixture Colonial Bent, Slender CRF and Chewings Fescues application rate 35 grams/m<sup>2</sup> sown in 4 directions ( @ 8.75 grams/m<sup>2</sup> per pass).



*Growing success*

## Fertilizer Programme

- Pre-seed:
  - Step Hi Mag @ 11 grams/m<sup>2</sup>.
  - Greenmaster Pro Lite 6.5.11+3MgO @ 50 grams/m<sup>2</sup> (as part of UK trial).
- Post Germination:
  - Sierraform GT 16.0.16 @ 20-25 grams/m<sup>2</sup> every 3-4 weeks.
  - Primo MAXX PGR 20ml tank mixed with 3 litres Greenmaster Blade and 2 litres Greenmaster 10.0.10 every 3-4 weeks from 2 leaf stage.

## First Overseeding Early April

- Green was initially Hydro seeded in early April but was unsuccessful and decision was made to rake off after 3 weeks and re seed onto bare rootzone.
- Picture shows newly Hydro seeded golf green.
- Air temperature 27 degrees C and zero rainfall.



## Rootzone Profile

- Picture taken 4 weeks after Germination.
  - Late May 2007.
  - Germination period 2-3 weeks.
  - Rootzone depth 300mm.



## Rootzone Close Up & Sward Coverage

- Note very even and consistent rootzone mix.



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### Sward Coverage After 4 Weeks

- First mow with cylinder mower 22mm.
- Fox damage evident (left hand of picture).



### Sward Density 4 Weeks After Germination

- Ready for first cut at 22mm.



### Root Development After 4 Weeks

- Root depth approximately 20cm.



### Root Development After 6 Weeks

- Root mass rapidly increasing density and length 280mm.



### 7 Weeks After Germination

- Root depth 29cm.
- Sward density approximately 90%.
- Odd weed or weed grass was hand picked.



### Sward Density

- Cutting height 14mm July 2007.



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## Fungicide Programme

- Heritage sprayed @ 500 gram/m<sup>2</sup> label rate for Leaf spot and as a preventative against Tale All Patch, Microdochium Patch and Leaf spot.

## Mowing Height Reduction

- Cutting height gradually reduced from 22-14mm over 3 weeks.
- Root mass very dense as well as long!



## 22<sup>nd</sup> August 2007

- Green now 16 weeks after germination.



## Cobtree Manor Roots & Sward

- August 22<sup>nd</sup> 2007.
- Sward density 98%.
- Root Depth 290mm.



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