



## Biogreen turf wicket soil

Biogreen turf wicket soil is distributed through Green Turf it is a merry creek type turf wicket soil. Biogreen turf wicket soil has a high clay content.

Our clay has between 50% to 80% clay particles. Biogreen turf wicket soil is Smectite clay and the mineral particle is Montmorillonite which swells when wet and shrinks when dry. This is very important when selecting a turf wicket soil as aeration is essential for good root development and recovery after a match.

Biogreen turf wicket soil will provide a hard wearing firm surface that will resist breaking up.

Biogreen turf wicket soil can be used for both construction and repairing a wicket.

<b>Biogreen Turf Wicket Soil Analysis</b>	<b>Ideal Range</b>		
<b>Result</b>	<b>Comments</b>		
Shrink Swell	0.09-0.15	0.098	Suitable
PH	5.0 -7.0	6.2	Slightly acidic
EC	<0.35	0.3	Suitable
Soluble salts	<1,000	685	Suitable
Clay	50%-80%	75%	Suitable
Cracking pattern	2-8	4	Suitable
Organic matter	4-8%	4.4%	Suitable
Silt and Fine Sand	10%-30%	22.58	Suitable

### Biogreen use the following:

Sydney Environmental Soil Laboratory, Ground science & Sports turf consultants P/L

### Biogreen Turf Wicket soil analytical parameters

PH	5.2 – 6.0
Moisture when packed	15-20 % by weight
Cation Exchange Capacity (CEC)	50-60 meq /100gm
Exchangeable Calcium	16-20 me/100g of soil
Exchangeable Magnesium	13-17 me/100g of soil
Exchangeable Sodium	1.5-2.5 me/100g of soil
Exchangeable Potassium	0.4-0.5 me/100g of soil
Total Iron	125-150 mg/kg soil
Total Sulphur	800-1000 mg/kg soil
Total Organic Matter (DWB)	10-20 % of dried weight
Humic Acids (DWB)	5-10% of dried weight

### DWB: Dry weight basis.