

**NOTICE** the use of rubber crumb on grass is Patented the licensed product is Crown III. See our web site  
[www.tebbuttassociates.co.uk](http://www.tebbuttassociates.co.uk)

**TEBBUTT ASSOCIATES**  
**581, LYTHAM ROAD,**  
**BLACKPOOL**  
**FY4 1QU.**

**Phone UK 01253 342003**  
**Int. 00 44 1253 342003**

**Fax UK 01253 346644**  
**Int. 00 44 1253 346644**

**E-mail [tebbuttasso@btconnect.com](mailto:tebbuttasso@btconnect.com)**

**Note new Email**  
**August 2008**

## **CROWN III ON BOWLING GREENS**

**Crown III is a rubber crumb produced from used truck tyres that is designed to assist wear resistance on natural grass.**

**This is a Patented process and Crown III is the licensed Product.**

**The idea was discovered at the Hancock Turf Research Institute in Michigan University. It was so unique that they were granted a world wide Patent on the use of rubber on natural grass. The European patent was granted in April 2002 Ref.EP 0788301 B1.**

**After the success achieved on football pitches, golf courses, lawns, play areas and other activity grass surfaces trials were carried out on Bowling Greens. Some of the results are reported below.**

**It is recommended that the edge of the green is treated with 3kilos/sq/m after the area has been hollow tined to a depth of three inches. Drop spread the Crown III on the surface and brush into the tine holes. Overseed the area and allow as long as possible before play recommences.**

**This will reduce compaction, improve drainage and aeration and prevent the edges sinking.**

**The cost of £1.00 /sq/m is minimal for the effect obtained. Normally an area 1-1.5 metres in from the edge is treated. This takes about 500 kilos of Crown III per green at an approx. cost of £160**

**The treatment will last for 3-4years, after which a repeat is suggested.**

**A few case histories are listed below.**

### **Hedgend District Council**

**Cyril Mason had a compaction problem around the edges of his Bowling Green and after using the Crown III successfully in goal mouths he decided to use it on the edge of the green in a strip 1.5metres wide.**

**In Sept 99 he hollow tined the whole green using a 19mm tine and brushed 2 kilos per sq/m of Crown III Grade 1-3mm into the tine holes around the edge. The rest of the green was treated in the usual way.**

**In March 2000 the green had recovered well and he remarked on the absence of moss on the treated areas**

**In October 2000 he reported that the green had played well all season without any sign of compaction or wear around the edges. March 2004 still working on two greens will be topped up on the one that had vandal damage. March 2007 excellent results PLEASE TURNOVER**

### **London Borough of Merton**

In September 2000 they treated four greens by window framing them and applying to the ends at 3 kilos per sq. m.. They all have been much improved during the season, have not compacted and the grass has stayed green all summer.

John Tweedle the Parks Operation Manager says that the other greens in the Borough will be treated as soon as they have the money. April 2002 "has made the heck of a difference" They now have nice green area around the edges of the four greens, the brown areas are in the centre where they have not used the treatment as yet.

Sept 2005 is still working very well on the greens, particularly through the dry spell, did not compact and stayed green.

### **London Borough of Southwark**

In the winter of 2002 Terry Graham the North Area Manager , used Crown III 1-3mm on two greens in both Southwark and Peckham Parks. Early signs from the 2003 season are that the sward has improved.

### **Newtonabbey Northern Ireland**

Used successfully on two greens in Oct 2003. Reporting good improvement during the summer of 2004 compared to previous year.

### **Reigate and Banstead Borough Council**

Used on two greens in Sept 2003, to prevent the edges from sinking and wearing out. Appears to have been successful in both aspects.

### **Gosport Borough Council**

Tried on two Greens by David Ternent the Parks Manager in Autumn 2003, these were very successful in eliminating the wear and compaction at the edges. April 2005 the Greens are playing well and they will extend the work as soon as money is available.

### **North West Leicestershire District Council**

Applied Crown III to one green in the Autumn of 2003, report received in April 2005 was that it had been successful .

## **DITCHFIL 410**

**Ditchfil 410 is a rubber/fibre particle between 4-10mm in size that is designed to fill the ditch bags on a Bowling green to prevent damage to the woods.**

**The particles are inert and non toxic and will last for many years. They are contained in yard long ditch bags designed to fit the ditches. These cost £3.00 to £3.30 each**

One ton of Ditchfil 410 costs £320 delivered UK mainland plus VAT.

Concrete Gulleys, back wall protectors or ditch grass and other accessories can be provided.