



### **Solid Tine Aeration**

Over time through continued use the soil on sports pitches becomes compacted especially in high use areas. This compaction prevents surface water drainage and slows grass regeneration. We recommend aeration is carried out on a regular basis through tine spiking. We carry this out by means of a solid tine Wiedenmann Terra Spike which mechanically forks the ground to a depth of approx 250mm cracking the soil which breaks the compaction; aiding root and grass expansion as well as improving drainage.

### **Shallow tine Aeration**

This is carried out using a Torro Pro Core which aerates the surface to a depth of 100mm allowing quicker surface drainage and allows air into the root system of the plant. This process compliments the above aeration and also gives a superb seed bed for any sown grass seed.

### **Grass over seeding**

We carry this out using a Wiedenmann spiked Terra Seed which allows the seed to penetrate the surface at the optimum germination depth. The Terra Seeds inquisitive spring tines open up the ground's surface to create a seed bed. The integrated agitator shaft ensures uniform, stripe-free seed distribution. A parallelogram-guided seed brush places the seeds into groove created by the spring tine. The rear tyre seed roller very effectively presses the seeds into the ground for optimum seed/soil contact. We use Agrovista Techni Turf 4 sports renovation grass seed.

### **Fertilising**

We recommend spreading fertiliser on the pitch over the growing season to encourage grass regeneration and root expansion; this helps with the grass recovery and enables the pitches to be in a better playing condition for the start of the new season. We fertilise our pitches using an Amazon 300 spreader with a fully computerised system for more accurate and efficient coverage.

### **Herbicide Application**

Weeds within the grass can become a problem causing uneven surfaces and areas of ground that become worn very quickly as the weeds break down over the winter months. We apply selective herbicides to the pitches to contain the weeds by means of a computerised tractor mounted boom sprayer providing accurate and economical application of herbicides.

### **Scarifying**

We will scarify the playing surface in 2 directions using a Wiedenmann Terra Rake to remove thatch from the surface of the soil. We then use an Amazon Proffi Hopper to carry out a final scarification and remove all the thatch from the surface of the pitch. This thatch prevents the surface from draining properly and can also slow down nutrients that are available to the plant.

### **Top Dressing**

Top dressing helps improve surface levels, stimulate new root and shoot growth, increase soil structure by adding a medium that will improve infiltration rates, soil strength, aeration capacity, nutrient retention, and fertility levels within the soil. We use a Wiedenmann Pro-Cast PC4 top dresser to spread sand, compost and soil on sports pitches, the material used would depend on the individual requirements of the pitches.