

## *Sports Turf Ltd*

**Keighley, West Yorkshire**

Dear Scientists,

We are a firm that lays grass turf for sports grounds around the country. We have been asked to grow some grass for a new community sports ground. The ground will be used for playing football, rounders, tennis, hockey and cricket. We need to grow a type of grass that will not wear away easily from all the different sports. As users and spectators will bring drinks into the ground, we also want to select a grass that will not be damaged by any spillage of these drinks.

Finally, we need to know how much watering the grass will need to keep it healthy. We have to get permission to take water from the nearby river to water the sports ground. The more water we take, the more expensive it is, so we want to apply for the right amount of water. Can you investigate the amount of water the grass needs, and how much is soaked up by different types of ground? The usual three sorts of soil we find are sandy, fine soil and heavy clay types.

Therefore, in summary, we would like your help to find out:

- whether grasses are damaged by spilled drinks
- the wear on different grasses
- how much watering the grass will need, depending on the soil type.

Any information you can give us will be useful.

Yours faithfully,

*Ruth Petera*

Research Director

***Sports Turf Ltd***  
**Keighley, West Yorkshire**

Dear Scientists,

We are a firm that lays turf for sports grounds around the country. We have been asked to prepare the surface of a new ground with turf. The ground will be used for playing football, rounders, tennis, hockey and cricket.

We understand that your group is investigating types of grass, and the conditions in which they grow.

We need to know how much watering the grass will need to keep it healthy. We have to get permission to take water from the nearby river to water the sports ground. The more water we take, the more expensive it is, so we want to apply for the right amount of water. Can you investigate the amount of water the grass needs, and how much is soaked up by different types of ground? The usual three sorts of soil we find are sandy, fine soil and heavy clay types.

Any information you can give us will be useful.

Yours faithfully,

*Ruth Petera*

Research Director