



Magyar Golf Club

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We used the Water Retainer (in Hungarian: VízŐr) in 2015 on the Hungarian Golf Club's course located in Kisoroszi, in its smaller areas for testing purposes. The soil of our course is heavily sandy in many parts, with the poor water retaining capacity typical for this.

We decided to apply it in 2016 in all parts of the course where, in our experience, the grass "burns out".

We performed the first treatment by using the WR on 1-2 June, in two phases:

In the first 9 sections, the burnout-prone hilltops, the parts with highly sandy soil and on sections 15-18 a total of 20 pcs of greens of the entire surface and the course received a treatment with a dose of 15 l/ha. On 2 June we treated the entire surface of the first 9 sections with a dose of 15 l/ha.

Therefore, in the first nine sections, the burnout-prone areas were treated with a total dose of 30 l/ha. The reason for the different treatment applied in the specific parts was that, knowing the course well, we had an assumption about the treatment by which we can achieve the desired result, with a possible correction, if necessary.

On 10 August, we applied a repeated treatment, all the green surfaces and the burnout-prone areas received a treatment of a dose of 10 l/ha.

As a result of treatments, it can be said that on the entire surface of the course, evenly, the irrigation water - reduced by half - was sufficient. Before the use of the Water Retainer, in order to ensure an adequate water supply of the problematic parts, we had to irrigate also the areas which do not require excess water, with a double water volume. By placing out the Water Retainer (VízŐr) to the proper places, the optimal watering of the total area became possible, and the areas not prone to desiccation were not irrigated with too much water. There was no dessication.

The year of 2016 was relatively wet, but it was not particularly significant because it influenced only the total water consumption for irrigation.

We noticed also an other significant effect: We started to apply a fungus-eating fungus-based preparation in 2015 to protect against fungal diseases on the green. In addition to this, we also had to apply chemicals - in a relatively drier year, just like 2016 - to protect against fungal infections. This year, in addition to the application of the Water Retainer, it was enough to use the fungus-eating fungus, we did not have to use chemicals. The nutrition extent of the area was the same as in the previous years.

On the fairways, we treated *Agrostis stolonifera* 07 grass. On the green surfaces, we treated 50-50% *Agrostis stolonifera* 007 and *Agrostis stolonifera* Pennlinks 1 grass mixtures.

In our opinion and also according to the golfers, our grass surfaces were more beautiful than in the previous years.

Kisoroszi, 11 January, 2017

István Nagy
Chairman

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