

Example Golf Club Soil Report

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ASIAN TURFGRASS CENTER

Example Greens

This is a summary and recommendations for the 2 samples from these greens.

pH A median pH of 6.8 is an optimum level for soil nutrient availability and soil microbial activity.

Organic matter The average of 0.6% is normal for a sand-based rootzone on putting greens.

Available nitrogen At about 6 ppm, this amount of nitrate and ammonium in the soil is normal. It indicates that the grass roots have been able to use almost all the nitrogen in the soil.

Potassium An average of 56 ppm is a good level of K availability in the soil, remaining safely above the minimum recommended level of 37 ppm. I suggest adding N and K in a 3:2 ratio for the next year. This will supply just the amount of K that the grass is using, and should keep the soil at a similar level of K.

Phosphorus The average P is up to 18 ppm from the low level of 9 ppm in the previous samples from last year. I would add another 10 g P/m² in the next year, with that amount divided into at least 4 applications. This should increase the soil P to ensure the grass will have access to all the P it can use.

Calcium The average is 416 ppm. This is more than enough to meet the grass requirements. No Ca fertilizer is required.

Magnesium The average is 110 ppm. This is more than enough to meet the grass requirements. None is required as fertilizer.

Sulfur 8 ppm is normal. No S is required as fertilizer.

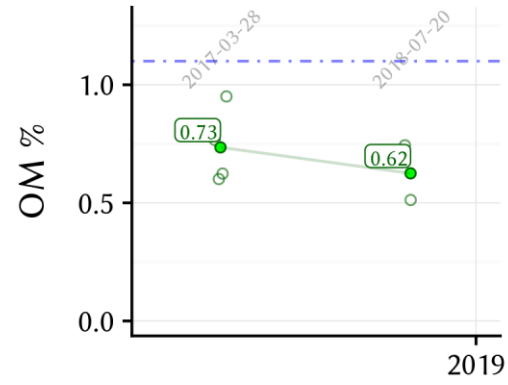
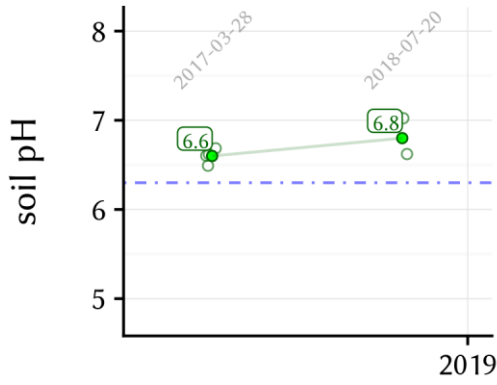
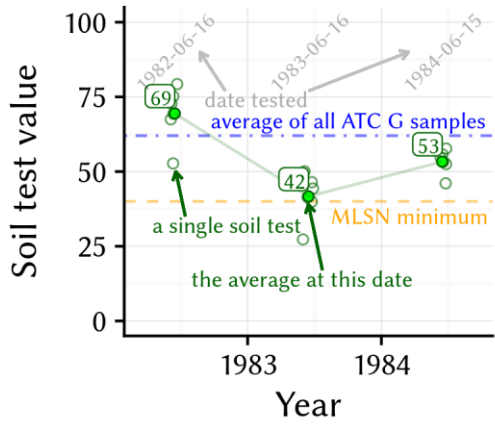
Micronutrients Iron is a bit lower than usually seen in putting green soils; the other micronutrients are all at normal levels. If any micronutrients are applied, I'd make sure there is a high amount of iron in the product.

Soil salinity Salt in the soil is low and will have no effect on turfgrass performance.

Soil pH in 1:1 H₂O

Soil organic matter

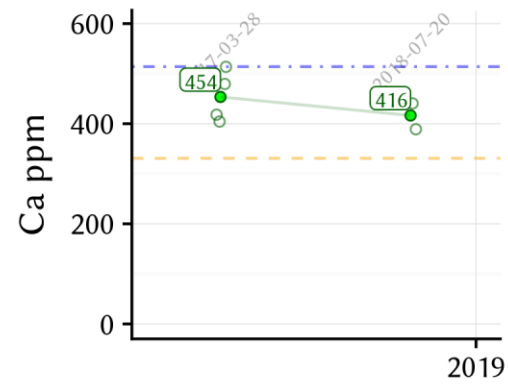
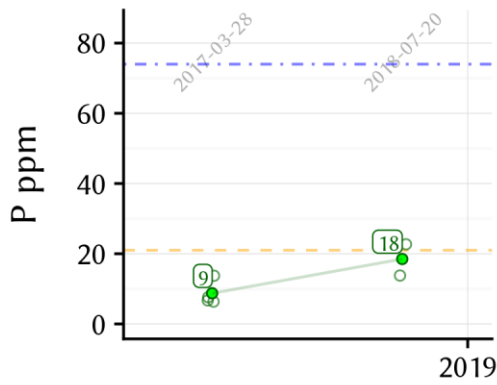
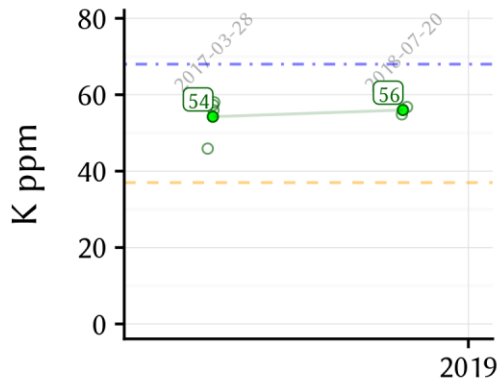
Annotated sample chart



Potassium

Phosphorus

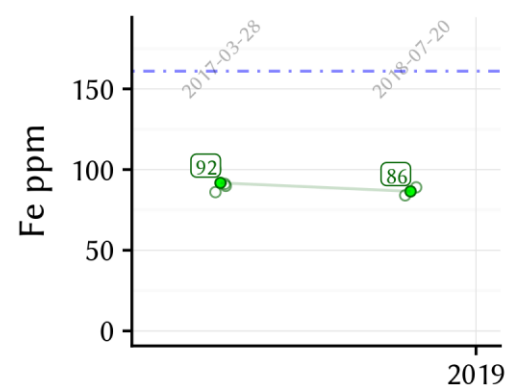
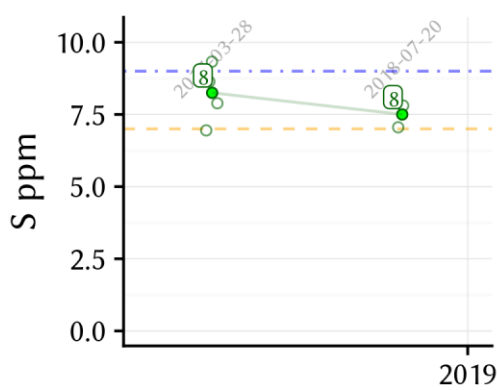
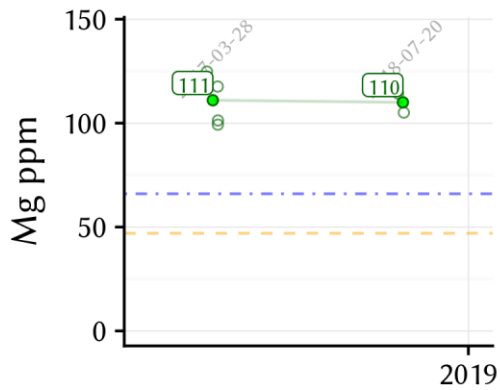
Calcium



Magnesium

Sulfur

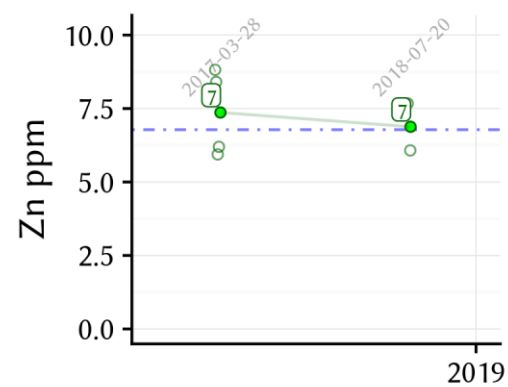
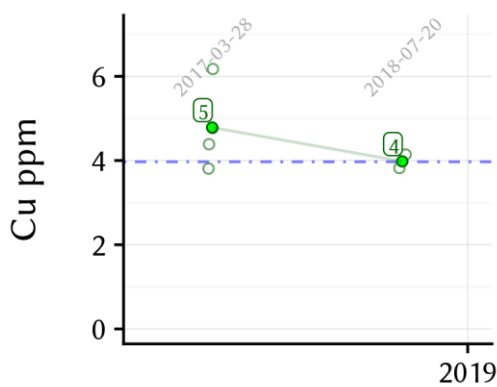
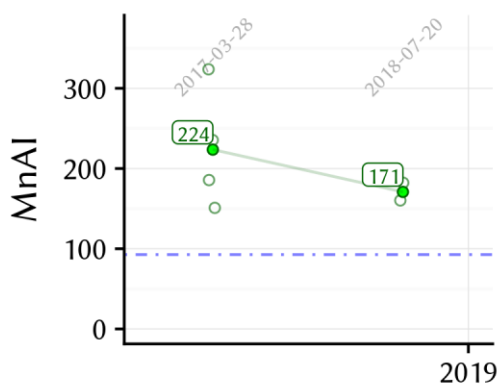
Iron



Mn Availability Index

Copper

Zinc



Example Tees

This summary and recommendation is based on 1 sample from the tees.

pH 6.2 is normal. This is an optimum level for soil microbial activity and soil nutrient availability.

Organic matter 0.9% is normal for tees.

Available nitrogen 6 ppm of available N in the soil is normal; it indicates that the roots have been able to use almost all the N applied as fertilizer.

Potassium 47 ppm is above the minimum guideline of 37, but also down significantly from the 101 at the previous year's sampling. I suggest applying N and K in a 3:2 ratio to the tees. This will supply all the K the grass is using.

Phosphorus 104 ppm is more than enough to meet the grass requirements. No P fertilizer is required for the next year.

Calcium 411 ppm is more than enough to meet the grass requirements. None is required as fertilizer.

Magnesium 131 ppm is more than enough to meet the grass requirements. None is required as fertilizer.

Sulfur 9 ppm is normal. None is required as fertilizer.

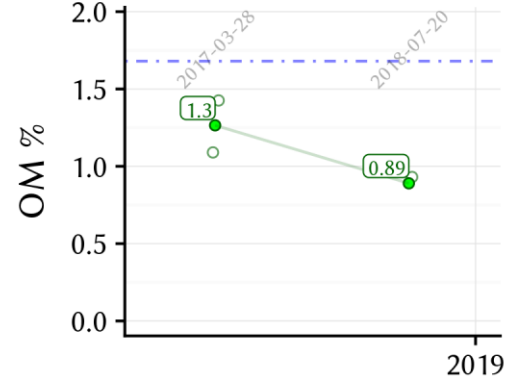
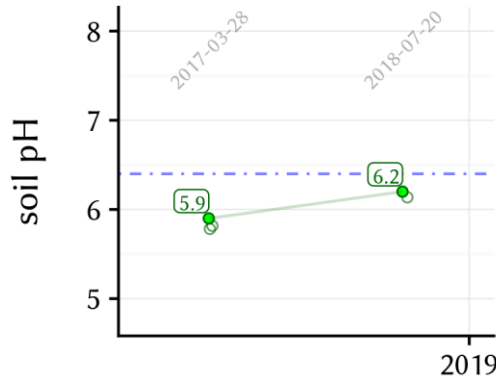
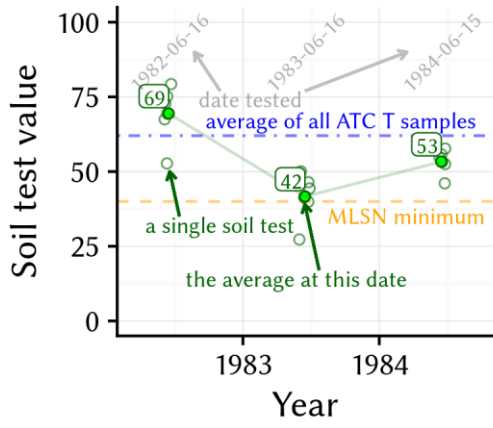
Micronutrients All are present at normal levels in the soil. None are required as fertilizer.

Soil salinity The salt in the soil is low and will have no effect on turfgrass performance.

Soil pH in 1:1 H₂O

Soil organic matter

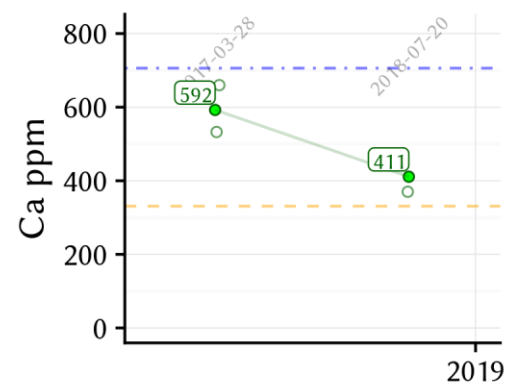
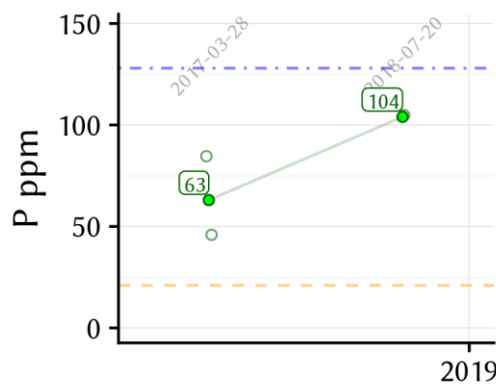
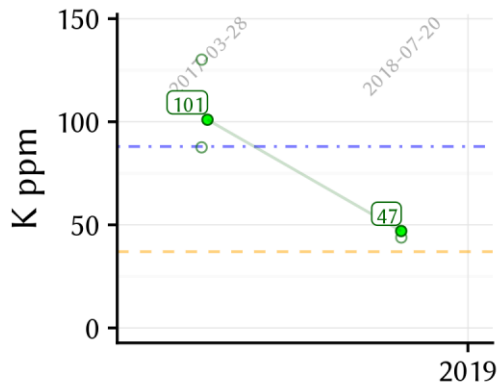
Annotated sample chart



Potassium

Phosphorus

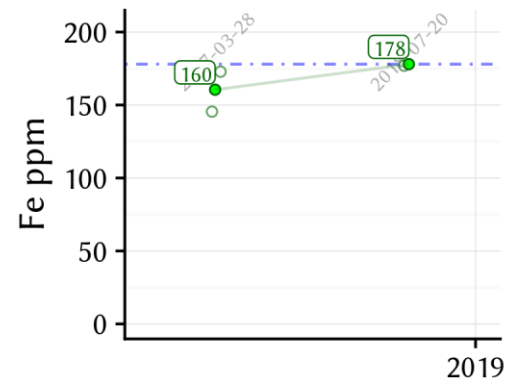
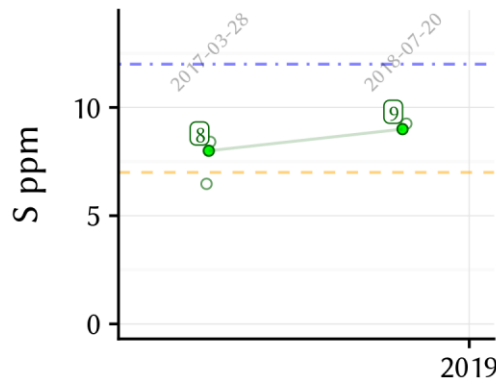
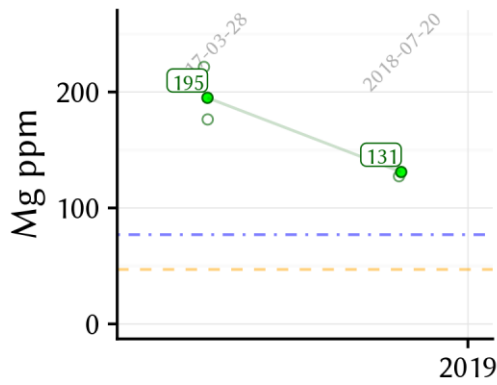
Calcium



Magnesium

Sulfur

Iron



Mn Availability Index

Copper

Zinc

