

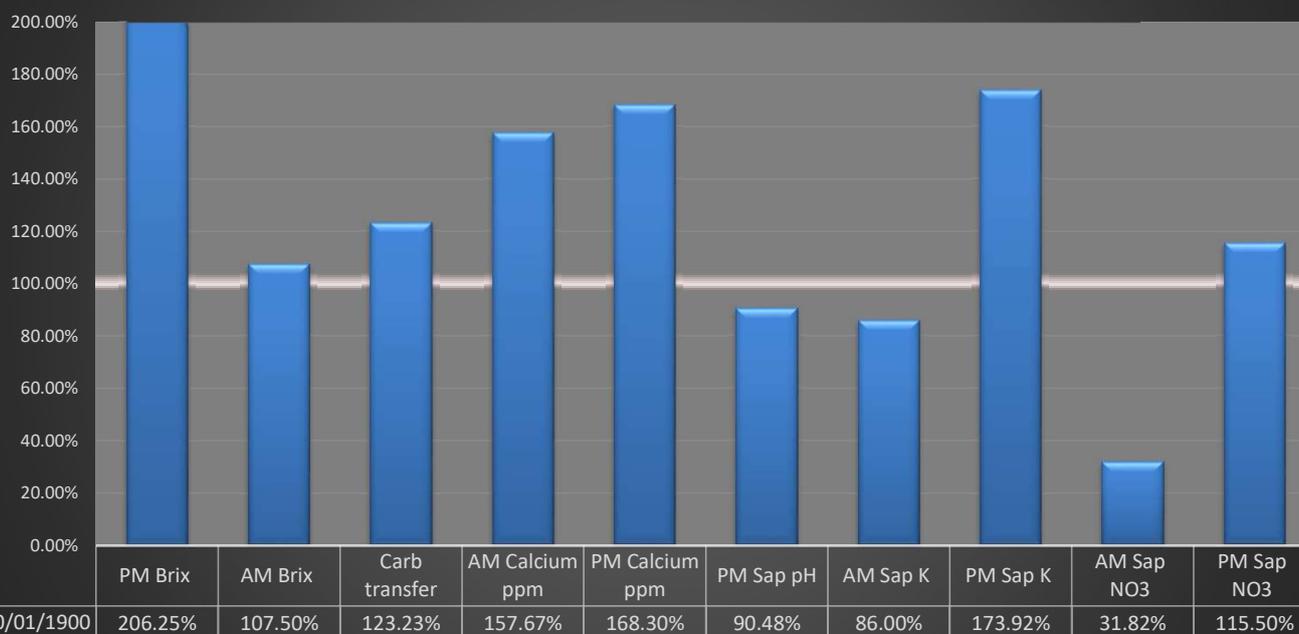
# Sap Analysis



Customer:	XXXX Golf Course		
Sample description	Greens		
Sampled (AM):	0/01/1900	Sampled (PM):	0/01/1900
Time of sample (AM):	?	Time of sample (PM):	?
Plant/Crop:	Bent	Sample ref:	0

Mobile: 0407 284051  
email: paul@soilsmart.com.au

## Sap results compared with ideal/target levels (set at 100%)



### BRIX

Peak carbohydrate production (PM Brix) is 206% of target, indicating a good level of carbohydrate production and an adequate supply of the minerals which support this process. The level of carbohydrate transfer is also very good at 123% of target.

### Calcium

Both AM and PM Calcium levels are above target at 158% and 168% respectively. The variation (uptake) from AM to PM (132%) is good, indicating an adequate supply available to the plant and good root uptake.

As Calcium has a role in the uptake and mobilisation of other minerals, adequate levels need to be maintained within the soil and plant.

### pH

The PM pH level (5.7) is below the optimal level of (6.2 - 6.4). As Calcium and Potassium levels are OK, there is a strong possibility that the low pH is reflecting a low Magnesium status, although we are unable to test this via sap currently.

### Potassium

The AM Potassium level is slightly low whilst the PM Potassium level is above target (86% and 174% respectively). The variation (uptake) from AM to PM (550%) is high, indicating good root activity, strong plant demand and an adequate soil supply.

### Nitrate

The AM Nitrate level is slightly low whilst the PM Nitrate level is above target (32% and 116% respectively). The variation (uptake) from AM to PM (657%) is high, indicating good root activity, strong plant demand and an adequate soil supply.

### Nutrition

There are few deficiencies highlighted by this analysis, however an increase in Magnesium levels within the plant may provide a boost to plant health. In the short term, and to ensure the plant doesn't remain deficient, we would suggest adding two applications of **Micro Mag** to the existing program, apply @ 750ml/1000m<sup>2</sup> twice, two weeks apart, followed by retesting.

### General Notes

Sap results should be viewed in conjunction with any recent applications of nutrients as these may have had an influence on readings, consequently if these are available it would greatly assist us in interpreting these results. This is particularly relevant to recent foliar applications, however you can also use the sap results to gauge the effectiveness of soil applied nutrients.