The Effect of Soil Moisture Content in Soil Microbial Biomass Loblolly Pine Stand

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Results

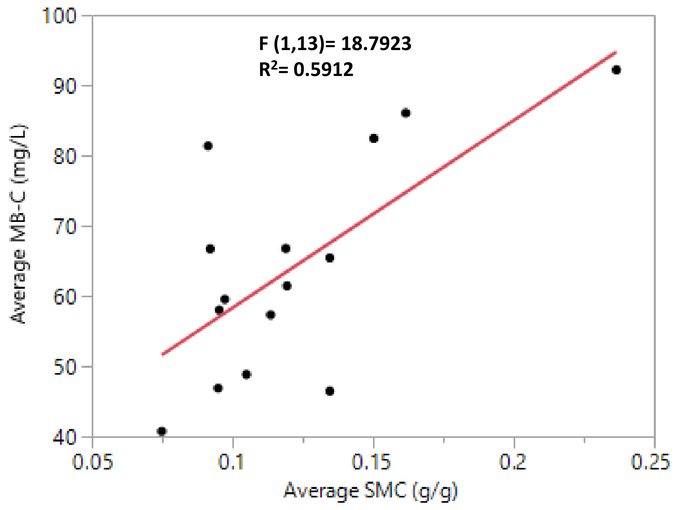

Fig 1: Bivariate fit of MB-C by SMC during Winter 2017.

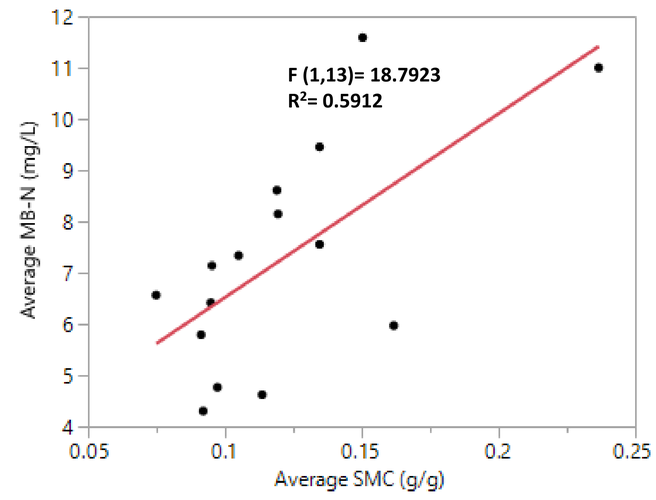

Fig 2: Bivariate fit of MB-N by SMC during Winter 2017.

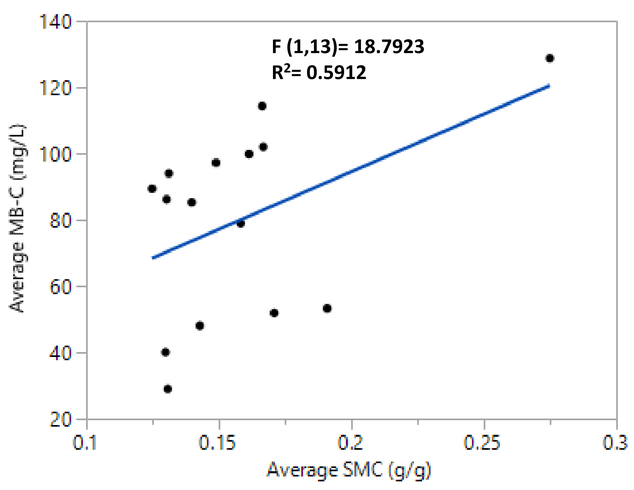

Fig 3: Bivariate fit of MB-C by SMC during Spring 2017.

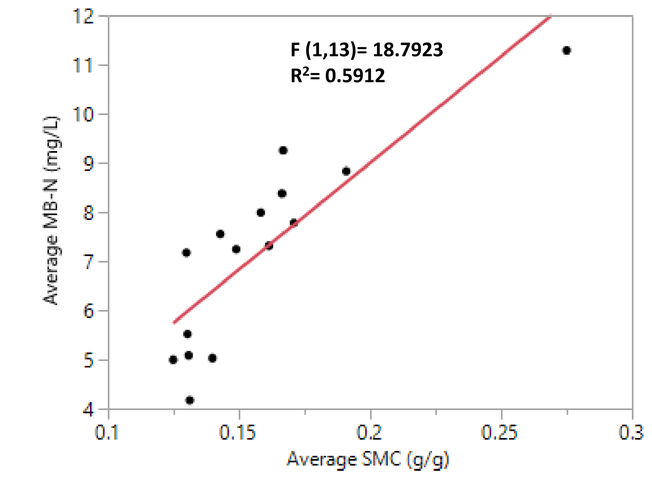

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Fig 4: Bivariate fit of MB-N by SMC during Spring 2017.

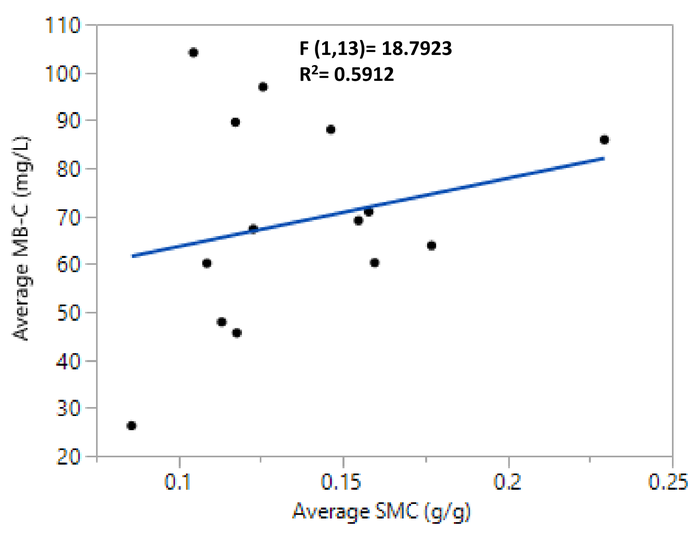

Fig 5: Bivariate fit of MB-C by SMC during Summer 2017.

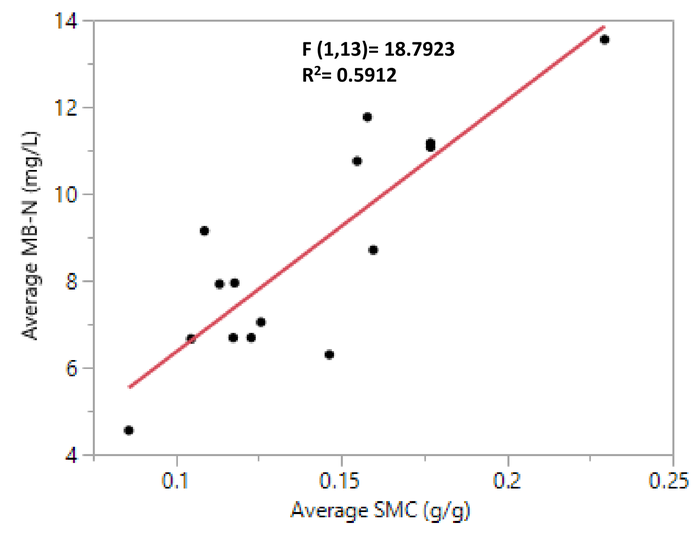

Fig 6: Bivariate fit of MB-N by SMC during Summer 2017.

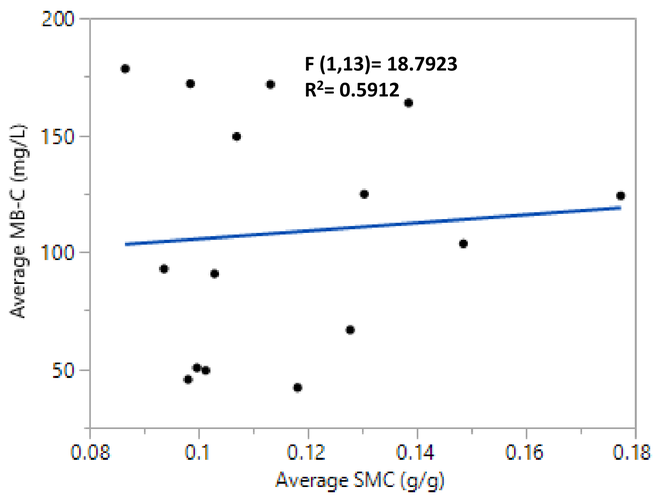

Fig 7: Bivariate fit of MB-C by SMC during Fall 2017.

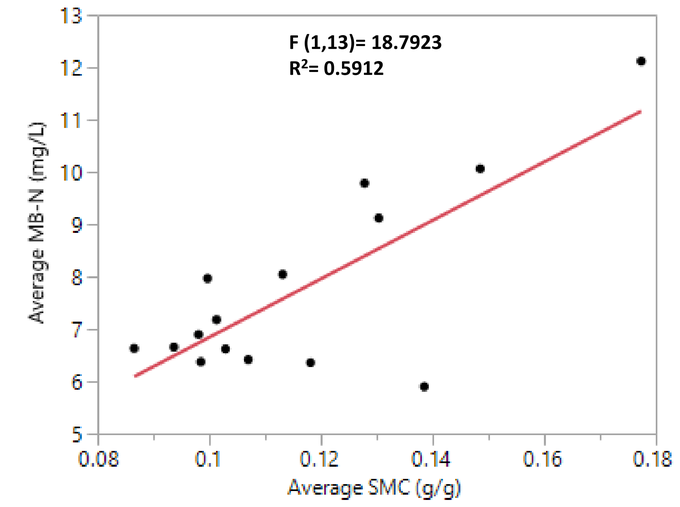

Fig 8: Bivariate fit of MB-N by SMC during Fall 2017.

Summary

- SMB-C was found to be significantly affected when the average SMC was ≤ 0.12 g/g while SMB-N was significantly affected when the average SMC was ≤ 0.16 g/g.
- The study showed that SMB-N is more sensitive to change in SMC than SMB-C in loblolly pine stand.