

Project No.: AM 1/05

Project Title: Using Water Measurements to Improve N Fertiliser Decisions in Wheat.

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Executive Summary

Final simulated yields for wheat crops throughout Australia , using appropriately measured soil characterisation data, was 75% of the measured yields.

With accurate and persistent calibration, the soil moisture measuring equipment has the potential to provide useful information. However, measuring PAWC, crop rooting depth and soil chemistry and using the information in conjunction with crop yield simulation models like APSIM will provide a much easier and reliable estimation of soil water and crop yield.