

Marlborough Focus Vineyard

Nutrient Requirement Project – Part One

Methodology 2004-2005 Season

Aims

1. To determine vine nutrient requirements throughout the growing season and to perhaps challenge the current fertiliser recommendation practice
2. To assess nutrient use, in selected nutrient zones (5 rows by 4 bays), by collecting petiole and blade samples, and determining soil types and nutrient levels within the zone
3. To compare nutrient use across all three focus vineyards and benchmark these with the district soil test results

Nutrient Analysis

1. Soil Pits

- ❑ 4 holes were dug to 1m deep, on each focus vineyard block
- ❑ Profiles and horizons were sampled, and described
- ❑ The root depth was recorded
- ❑ Samples were taken for nutrient analysis of each soil profile
- ❑ Data collated and presented in spreadsheets

2. Blades and Petioles

- ❑ Samples were taken for analysis at various growth stages; 80% flowering and pre-harvest
- ❑ Data presented in spreadsheets

3. Wood samples

- ❑ Samples of new and old wood, at pruning, were collected from the nutrient zones and analysed for nutrient content.
- ❑ Data presented in spreadsheets

Note: raw data presented yet to be compared and analysed

See the individual vineyard results by clicking on the PDF documents ‘nutrient analyses’ for each vineyard