



SWEP
PTY.LTD.

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**ANALYTICAL
LABORATORIES**

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FILENO: EXAMPLEPLANTANALYSISREPORT

DATEISSUED: 30/05/2007

CLIENTNAME
ADDRESS1
ADDRESS2

CLIENTID:
PHONE:

REFERENCE: AGENTNAME

REFERENCEID:

AGENTID

SAMPLEID: Paddock1

REFERENCEPHONE:

AGENTPH#

PLANTTYPE: LETTUCE

DATERECEIVED:

PLANTPART: LEAF

ANALYSISREQUIRED:

Full

PlantTissueNutrientLevelAnalysis

This report includes all the information you will need to monitor the nutritional status of your crop or pasture, or confirm the diagnosis of any nutritional disorders.

Important:

Plant tissue results can show the level of nutrients present in the plant tissue and identify nutrients that may be deficient or in excess, but CANNOT be used to directly determine appropriate application rates of fertiliser. The best strategy is to use tissue results to fine tune the application program developed from the soil test recommendations.

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1. SampleType

Sample of: LETTUCE

2. Analysis Results

| ITEMS | | | RESULTS | DESIRABLELEVEL | |
|--------------------------|----|-----|-------------|----------------|-------|
| NITROGEN | N | % | 4.90 | 3.30 | 4.00 |
| PHOSPHORUS | P | % | 0.51 | 0.55 | 0.76 |
| POTASSIUM | K | % | 5.79 | 8.20 | 10.50 |
| SULPHUR | S | % | 0.28 | 0.30 | 0.32 |
| CALCIUM | Ca | % | 1.00 | 1.40 | 1.70 |
| MAGNESIUM | Mg | % | 0.40 | 0.31 | 0.39 |
| SODIUM | Na | % | 1.02 | 0.16 | 0.40 |
| IRON | Fe | ppm | 1330 | 192 | 300 |
| MANGANES | Mn | ppm | 87 | 30 | 200 |
| ZINC | Zn | ppm | 58.8 | 39 | 71 |
| COPPER | Cu | ppm | 30.8 | 7 | 11 |
| COBALT | Co | ppm | 1.64 | | N.A. |
| BORON | B | ppm | 27.1 | 16 | 30 |
| MOLYBDENUM | Mo | ppm | NotRequired | | |
| CHLORIDE | Cl | % | NotRequired | | |
| SELENIUM | Se | ppm | NotRequired | | |
| TOTALNITROGEN(asNitrate) | | % | NotRequired | | |

3. Calculated Surplus/Deficient Nutrients

Elements found to be **below** the desirable levels for this specific sample:

| | | | | |
|------------|------------|-----------|-----------|--------|
| Calcium | 29% | Iron | | Cobalt |
| Magnesium | | Manganese | | |
| Sodium | | Zinc | | |
| Potassium | 29% | Copper | | |
| Nitrogen | | Boron | | |
| Phosphorus | 7% | Sulphur | 7% | |

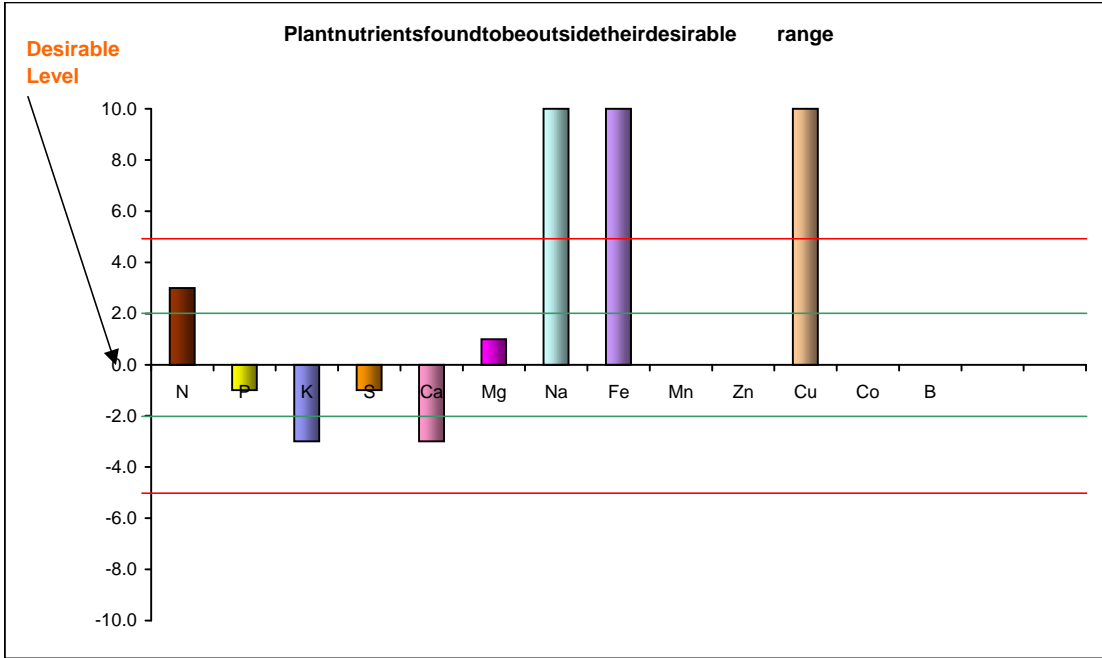
Elements found to be **above** the desirable levels for this specific sample:

| | | | | |
|------------|------------|-----------|------------|--------|
| Calcium | | Iron | 77% | Cobalt |
| Magnesium | 3% | Manganese | | |
| Sodium | 61% | Zinc | | |
| Potassium | | Copper | 64% | |
| Nitrogen | 18% | Boron | | |
| Phosphorus | | Sulphur | | |

**Percentages above are only approximate, presented as a general guide only. They are calculated as either above the upper desirable limit or below the lower desirable limit for the species and are limited to a maximum of 100%.*

4. Guideto NutritionalImbalances

Thegraphbelowgivesyouaquickoverviewofnutrient sfoundtobeeitheraboveorbelowtheirdesirable nge. Anythatfallbetweenthe GREENlinesareunlikelytorequireaction.Thosethatfall betweenthe REDlineswillat leastrequirefurthermonitoringandperhapsecorrection atsomestage.Thoseoutsidethe REDlinesmayrequire immediateaction.Seethenotesbelowformoredetail s.



| KeytoEssentialPlantNutrients: | | | | Non-essentialem ents: | | | |
|-------------------------------|----------|-----------|-----------|-----------------------|-----------|----------|-----------|
| Carbon | C | Calcium | Ca | Copper | Cu | Iodine | I |
| Hydrogen | H | Magnesium | Mg | Boron | B | Aluminum | Al |
| Oxygen | O | Sulphur | S | Molybdenum | Mo | Selenium | Se |
| Nitrogen | N | Iron | Fe | Chlorine | Cl | Silicon | Si |
| Phosphorus | P | Manganese | Mn | Cobalt | Co | Sodium | Na |
| Potassium | K | Zinc | Zn | | | | |

UsingthisGraph:

Nutritionalimbalancesarenotalwayssevereenoughto producesymptoms(otherthanreducedgrowthandproducti vity), sothegraphherewillgiveyouanideaofanyimmed iateproblems,aswellasthosethatmaydevelopintop roblemslater, ormay simplybecontributingto generalill-healtha ndlacklustreperformance.

Itisimportanttoremember,however,thatnotalln utrientimbalancesrequirecorrectiveaction.Forexampl e,thereisno suchthingasCalciumtoxicity.Forthisnutrientlowlev elsaremoreimportantthanhigh.

HighlevelsofSulphurareunlikelytocause toxicitysym ptomspere.HighSodiumandChloridemoreoftenref lectsalt levelsinthemedium.ForplantsgrowninHydroponicsol utions,Sulphurisoftenhighduetotheinclusionof many nutrients intheirSulphateform.

Formoreinformationonthissubjectcontactuson(03)9 7016007.