



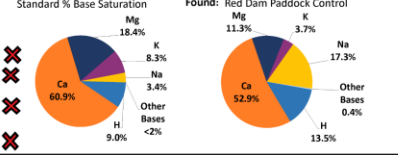
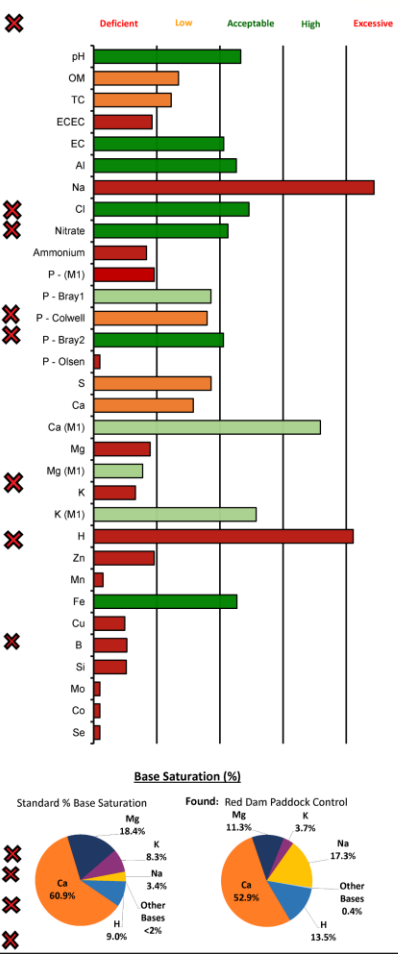
a 'Round The Traps'

Easter Special 2020

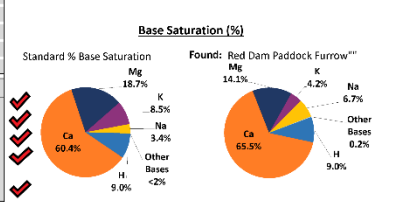
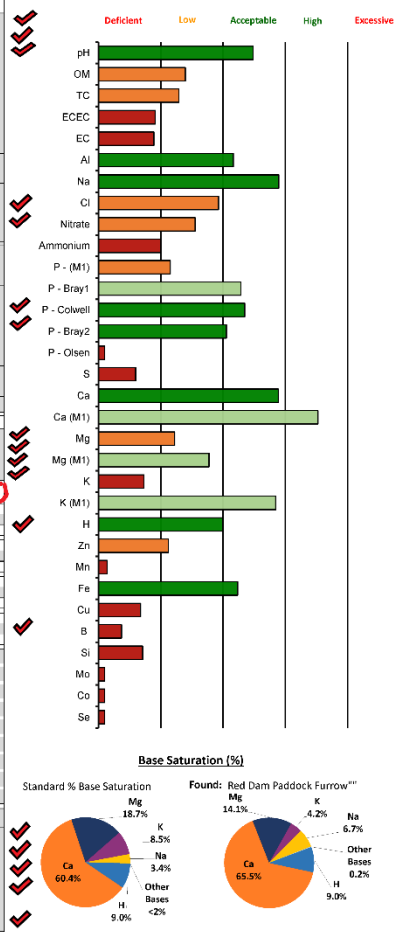


BENEFITS OF LIQUID INJECT
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| | Unit | Desired Level | Level Found |
|---|-------------|---------------|-------------|
| DAM PDK CONTROL 26/3/20 | | | |
| pH (Water) | Unit | 6.40 | 6.16 |
| Organic Matter (OM) | % | 4 - 6 | 2.4 |
| Total Carbon | % | 2.2 - 3.2 | 1.35 |
| Labile Carbon | % | | |
| Total Nitrogen | % | >0.20 | 0.10 |
| Carbon : Nitrogen Ratio | Unit | 10-12 | 14.1 |
| Effective Cation Exchange Capacity (ECEC) | cmol+Kg | 12-16 | 3.7 |
| Total Exchange Capacity (TEC) | cmol+Kg | | 4.3 |
| Electrical Conductivity (EC 1:5) | dSm | 0.150 | 0.186 |
| Aluminium | mg/kg | <15 | 2 |
| Sodium | % | 3.07 | 17.3 |
| Chloride Estimate | mg/kg | <200 | 119 |
| Actual Chloride | mg/kg | <200 | 119 |
| N | | | |
| Total Nitrogen | % | >0.20 | 0.10 |
| Nitrogen - Nitrate | mg/kg | 10.0 | 16 |
| Nitrogen - Ammonium | mg/kg | 12 | 5 |
| P | | | |
| Phosphorus Buffering Index (PBI) | Unit | 70 - 140 | NIT |
| Phosphorus - Bray 1 | mg/kg | 20 | 13 |
| Phosphorus - Colwell | mg/kg | 36 | 23 |
| Phosphorus - Bray 2 | mg/kg | 41 | 30 |
| Phosphorus - Olsen | mg/kg | 9 | NIT |
| Total Phosphorus | mg/kg | 400 - 1,500 | NIT |
| K | | | |
| Potassium | mg/kg | 132 | 81 |
| Potassium (Colwell) | mg/kg | 132 | NIT |
| S | | | |
| Sulphur | mg/kg | 20 | 15.4 |
| Reams | | | |
| Morgan 1 Extract (M1) | mg/kg | 193 | 339 |
| Calcium | mg/kg | 81 | 54 |
| Magnesium | mg/kg | 51 | 63 |
| Potassium | mg/kg | 8 | 3.9 |
| Cations | | | |
| | mg/kg | kg/ha | |
| Calcium | Desired 519 | 1195 | |
| | Found 453 | 1015 | |
| | Deficit 152 | | |
| Magnesium | Desired 94 | 211 | |
| | Found 59 | 132 | |
| | Deficit 79 | | |
| Potassium | Desired 132 | 297 | |
| | Found 81 | 132 | |
| | Deficit 160 | | |
| Sodium | Desired 39 | 89 | |
| | Found 170 | 382 | |
| | Deficit 0 | | |
| Trace Elements | | | |
| Zinc | mg/kg | 3.1 | 1.5 |
| Manganese | mg/kg | 16 | 1.8 |
| Iron | mg/kg | 50 - 400 | 139 |
| Copper | mg/kg | 1.24 | 0.39 |
| Boron | mg/kg | 1.04 | 0.42 |
| Silicon | mg/kg | 35 | 16 |
| Molybdenum | mg/kg | 0.8 - 2.0 | NIT |
| Cobalt | mg/kg | 2.5 - 10 | NIT |
| Selenium | mg/kg | 0.5 - 2.0 | NIT |
| % Base Saturation | | | |
| Calcium & Magnesium RATIO | | 3.4 | 4.7 |
| Calcium | % Ca | 60 | 62.9 |
| Magnesium | % Mg | 18 | 11 |
| Potassium | % K | 8 | 3.7 |
| Sodium (ESP) | % Na | 3.1 | 17.3 |
| Aluminium | % Al | <2 | 0.4 |
| Hydrogen | % H | 9.0 | 13.8 |



| | Unit | Desired Level | Level Found |
|---|-------------|---------------|-------------|
| Dam Pk FURROW 26/3/20 | | | |
| pH (Water) | Unit | 6.40 | 6.47 |
| Organic Matter (OM) | % | 4 - 6 | 2.5 |
| Total Carbon | % | 2.2 - 3.2 | 1.42 |
| Labile Carbon | % | | |
| Total Nitrogen | % | >0.15 | 0.09 |
| Carbon : Nitrogen Ratio | Unit | 10-12 | 15.6 |
| Effective Cation Exchange Capacity (ECEC) | cmol+Kg | 12-16 | 3.6 |
| Total Exchange Capacity (TEC) | cmol+Kg | | 4.0 |
| Electrical Conductivity (EC 1:5) | dSm | 0.120 | 0.075 |
| Aluminium | mg/kg | <15 | 1 |
| Sodium | % | 3.07 | 6.7 |
| Chloride Estimate | mg/kg | <200 | 48 |
| Actual Chloride | mg/kg | <200 | NIT |
| N | | | |
| Total Nitrogen | % | >0.15 | 0.09 |
| Nitrogen - Nitrate | mg/kg | 10.0 | 6 |
| Nitrogen - Ammonium | mg/kg | 12 | 8 |
| P | | | |
| Phosphorus Buffering Index (PBI) | Unit | 70 - 140 | NIT |
| Phosphorus - Bray 1 | mg/kg | 20 | 17 |
| Phosphorus - Colwell | mg/kg | 35 | 32 |
| Phosphorus - Bray 2 | mg/kg | 40 | 29 |
| Phosphorus - Olsen | mg/kg | 9 | NIT |
| Total Phosphorus | mg/kg | 400 - 1,500 | NIT |
| K | | | |
| Potassium | mg/kg | 128 | 66 |
| Potassium (Colwell) | mg/kg | 130 | NIT |
| S | | | |
| Sulphur | mg/kg | 20 | 7.2 |
| Reams | | | |
| Morgan 1 Extract (M1) | mg/kg | 210 | 380 |
| Calcium | mg/kg | 55 | 63 |
| Magnesium | mg/kg | 50 | 67 |
| Potassium | mg/kg | 8 | 4.2 |
| Cations | | | |
| | mg/kg | kg/ha | |
| Calcium | Desired 482 | 1063 | |
| | Found 926 | 1178 | |
| | Deficit 0 | | |
| Magnesium | Desired 89 | 201 | |
| | Found 99 | 152 | |
| | Deficit 47 | | |
| Potassium | Desired 128 | 267 | |
| | Found 65 | 146 | |
| | Deficit 141 | | |
| Sodium | Desired 37 | 83 | |
| | Found 81 | 138 | |
| | Deficit 0 | | |
| Trace Elements | | | |
| Zinc | mg/kg | 3.0 | 1.7 |
| Manganese | mg/kg | 15 | 1.7 |
| Iron | mg/kg | 50 - 400 | 128 |
| Copper | mg/kg | 1.20 | 0.54 |
| Boron | mg/kg | 1.00 | 0.39 |
| Silicon | mg/kg | 35 | 21 |
| Molybdenum | mg/kg | 0.8 - 2.0 | NIT |
| Cobalt | mg/kg | 2.5 - 10 | NIT |
| Selenium | mg/kg | 0.5 - 2.0 | NIT |
| % Base Saturation | | | |
| Calcium & Magnesium RATIO | | 3.3 | 4.6 |
| Calcium | % Ca | 60 | 65.5 |
| Magnesium | % Mg | 18 | 14 |
| Potassium | % K | 8 | 4.2 |
| Sodium (ESP) | % Na | 3.1 | 6.7 |
| Aluminium | % Al | <2 | 0.2 |
| Hydrogen | % H | 9.0 | 9.0 |



Liquid Inject Improves Nutrient Retention for Improved FERTILISER UPTAKE

POST HAREST OF 2019 WITH: A "SYSTEM TO SUPPORT: DESPITE

1. Dry all through September into October
2. NO Rain Through 5 months of Harsh Summers
3. 40+Mil of Rain early February 2020
4. Soil Tests done early / Mid March 2020

FARMERS OBSERVATION: Yes Other factors we need to Question"

1. August 2019 Fungal Growth in Furrow Root Zone
2. September 2019 NO Rain, Fungal Growth disappears
3. 40+ Mil of Rain Early Feb 2020 only input Fungal Growth in the Furrow and Roots of previous Roots and Under Stones re-appear
4. Growth is a lot more Vigorous than usual

WHY THE DIFFERENCE:

1. In Furrow Soil and Nutrient Remediation of Liquid Inject "GROWZONE" Applied in 2019 Growing Program
2. Minimised Use of Chemicals NO Fungicides
3. Assisting Soil Profile with Cover Crops
4. ??? Yes There is more we would like to share..... CALL

NEW SOIL TESTS "INDEPENDENT" GIVING MORE PARAMETERS OF DATA

1. In Furrow 9cm samples Versus Intertrow Control "NON FERT"
2. Tests taken in Mid March 2020 Post Feb Total Rain approx. 50mil.
3. **Furrow sample shows significantly improved trend. Which sample would you want to have supporting your Fertiliser Budget in 2020? Whatever the Climatic Conditions.**
4. NOTE:

- Better Moisture Holding Capacity
- Buffered Sodium Still Since September 2019
- Balance Benefit of Cations Supporting pH
- Therefore Soil Structure Supports Soil Biology

Which Improves Nutrient Processing "Mineralisation"

- Equals Improved Fertiliser Uptake
- A Pathway to Grow Soils to Grow Yield Resilience!