

SOIL ANALYSIS

Submitted by **7317301**
Prairie Dirt Solutions
 5320 SW 119th Street
 Oklahoma City, OK 73173-1971

Submitted for
PRAIRIE DIRT SOLUTIONS



Laboratory Sample #
BW07881
 Information Sheet #
81361

Date Received
28-Jul-2020

Date Reported
29-Jul-2020

Laboratory Turnaround **1 Day**

Samples Will Be Stored Until **12-Aug-2020**

| SUMMARY REPORT OF ANALYTICAL RESULTS | | | | | | | | | | | | | |
|--------------------------------------|------------------|---------------|------------------------|------------------------|---------------|---------------|-------------|------------|----------|---------------|------------|----------|-----------|
| Sample Number | % Organic Matter | Nitrate N ppm | Phosphorus IF pH < 7.1 | Phosphorus IF pH > 7.1 | Potassium ppm | Magnesium ppm | Calcium ppm | Sulfur ppm | Zinc ppm | Manganese ppm | Copper ppm | Iron ppm | Boron ppm |
| RMX | 2.1 | 7.1 | 7 | ---- | 191 | 266 | 4444 | 1445.0 | 0.9 | 4.6 | 0.6 | 23.1 | 0.4 |
| Average | 2.1 | 7.1 | 7 | | 191 | 266 | 4444 | 1445.0 | 0.9 | 4.6 | 0.6 | 23.1 | 0.4 |

| SUMMARY OF ANALYTICAL RESULTS | | | | | | | CATION EXCHANGE CAPACITY | | | | | |
|-------------------------------|---------|--------------|------------------|------------------------|------------|--------------|--------------------------|------|------|------|-----|-----------|
| Sample Number | Soil pH | Buffer Index | Excess Carbonate | Soluble Salts mmhos/cm | Sodium ppm | Bulk Density | ACTUAL % OF TOTAL CEC | | | | | |
| | | | | | | | % K | % Mg | % Ca | % Na | % H | Total CEC |
| RMX | 6.3 | 7.3 | L - 0.1% | 4.61 | 31 | 1.22 | 1.9 | 8.6 | 86.0 | 0.5 | 3.0 | 25.8 |
| Average | 6.3 | 7.3 | L - 0.1% | 4.61 | 31 | 1.22 | 1.9 | 8.6 | 86.0 | 0.5 | 3.0 | 25.8 |

DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.

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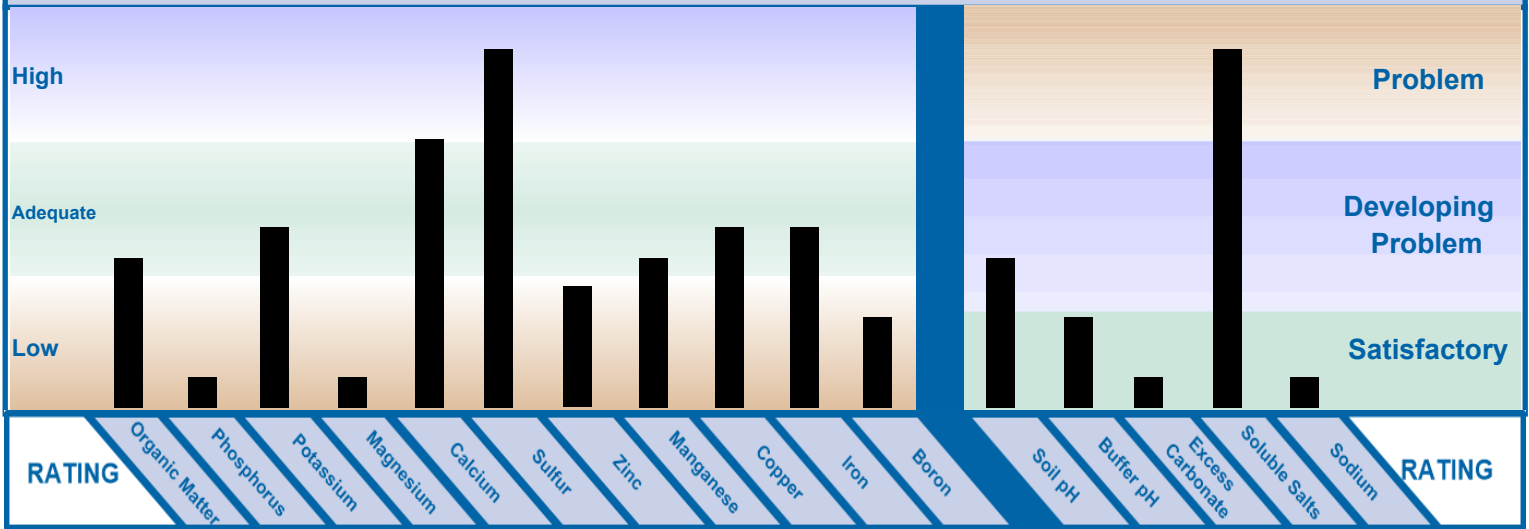
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GRAPHIC SUMMARY OF WEIGHTED AVERAGE TEST RESULTS



SUMMARY OF SOIL FERTILITY AND PLANT NUTRIENT GUIDELINES

| Sample Number | Crop Yield or Turf/Ornamental Code | Lime Gypsum Sulfur | PLANT FOOD NEED IN: | | | | | | | | | | | | |
|---------------|------------------------------------|--------------------------|---------------------|-------------------------------|------------------|-----|---|----|----|----|----|---|--|--|--|
| | | | N | P ₂ O ₅ | K ₂ O | MgO | S | Zn | Mn | Cu | Fe | B | | | |
| RMX | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Average | | | | | | | | | | | | | | | |

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Additional Tests

| | |
|--------------------------|------------|
| Sample Number | RMX |
| PSA Clay % | 19.2 |
| PSA Sand % | 40.0 |
| PSA Silt % | 40.8 |
| PSA Texture | Loam |
| Salinity Boron ppm | 0.07 |
| Salinity Calcium meq/L | 31.37 |
| Salinity Chloride ppm | 52.1 |
| Salinity ECE mmhos/cm | 2.89 |
| Salinity Magnesium meq/L | 16.74 |
| Salinity Moisture % | 49.34 |
| Salinity Potassium meq/L | 0.71 |
| Salinity SAR | 0.38 |
| Salinity Sodium meq/L | 1.9 |