

# Soil Report

Job Name **Matthew Barnes**

Date **1/10/2022**

Company **Grow Abundant Gardens**

Submitted By

|                                 |                                    |   |        |  |  |  |  |
|---------------------------------|------------------------------------|---|--------|--|--|--|--|
| Sample Location                 |                                    |   | EAO    |  |  |  |  |
| Sample ID                       |                                    |   | 301121 |  |  |  |  |
| Lab Number                      |                                    |   | 58     |  |  |  |  |
| Sample Depth in inches          |                                    |   | 6      |  |  |  |  |
| Total Exchange Capacity (M. E.) |                                    |   | 17.88  |  |  |  |  |
| pH of Soil Sample               |                                    |   | 6.5    |  |  |  |  |
| Organic Matter, Percent         |                                    |   | 18.92  |  |  |  |  |
| <b>ANIONS</b>                   | <b>SULFUR:</b>                     | p.p.m.  | 335    |  |  |  |  |
|                                 | <b>Mehlich III Phosphorous:</b>    | as (P <sub>2</sub> O <sub>5</sub> )<br>lbs / acre     | 653    |  |  |  |  |
| <b>EXCHANGEABLE CATIONS</b>     | <b>CALCIUM:</b>                    | Desired Value<br>lbs / acre<br>Value Found<br>Deficit | 4300   |  |  |  |  |
|                                 | <b>MAGNESIUM:</b>                  | Desired Value<br>lbs / acre<br>Value Found<br>Deficit | 576    |  |  |  |  |
|                                 | <b>POTASSIUM:</b>                  | Desired Value<br>lbs / acre<br>Value Found<br>Deficit | 1429   |  |  |  |  |
|                                 | <b>SODIUM:</b>                     | lbs / acre  | 313    |  |  |  |  |
| <b>BASE SATURATION %</b>        | Calcium (60 to 70%)                |   | 60.13  |  |  |  |  |
|                                 | Magnesium (10 to 20%)              |   | 13.42  |  |  |  |  |
|                                 | Potassium (2 to 5%)                |   | 10.25  |  |  |  |  |
|                                 | Sodium (.5 to 3%)                  |   | 3.81   |  |  |  |  |
|                                 | Other Bases (Variable)             |   | 4.90   |  |  |  |  |
|                                 | Exchangeable Hydrogen (10 to 15%)  |   | 7.50   |  |  |  |  |
| <b>TRACE ELEMENTS</b>           | Boron (p.p.m.)                     |   | 0.99   |  |  |  |  |
|                                 | Iron (p.p.m.)                      |   | 102    |  |  |  |  |
|                                 | Manganese (p.p.m.)                 |   | 11     |  |  |  |  |
|                                 | Copper (p.p.m.)                    |   | 0.95   |  |  |  |  |
|                                 | Zinc (p.p.m.)                      |   | 5.77   |  |  |  |  |
|                                 | Aluminum (p.p.m.)                  |   | 201    |  |  |  |  |
| <b>OTHER</b>                    | Cobalt ppm                         |   | 0.136  |  |  |  |  |
|                                 | Molybdenum ppm                     |   | < 0.02 |  |  |  |  |
|                                 | Ammonium (p.p.m.)                  |   | 0.2    |  |  |  |  |
|                                 | Nitrate (p.p.m.)                   |   | 109.6  |  |  |  |  |
|                                 | Selenium ppm                       |   | 1.09   |  |  |  |  |
|                                 | Silicon ppm                        |   | 13.8   |  |  |  |  |
|                                 | Estimated Nitrogen Release #N/Acre |   | 129    |  |  |  |  |
|                                 | EC mmhos/cm                        |   | 1.14   |  |  |  |  |
|                                 | Media Density g/cm3                |   | 0.47   |  |  |  |  |