



**Organic fertilizer and compost recommendation for:**  
**Sydney Grange**

Farm name South Lincoln St. Community  
 Sample ID: **SLSCG**

Sampled: 11/18/2020  
 Lab: **Waypoint Analytical**  
 Report ID: 20-324-0591  
 Recommended: 11/24/2020

| Lab Results             | Units      | Ideal Range | Recommendations per 100 square feet |  |
|-------------------------|------------|-------------|-------------------------------------|--|
| Organic Matter          | 4.7        | %           | 4-6                                 | Add 2.25 cubic feet of Cured Compost per 100 square feet to add organic matter to your soil.   |
| Nitrogen Release (est.) | 131        | lbs/ac      | 150+                                | Add 6 pounds of Alfalfa Meal per 100 square feet to add nitrogen to your soil.   |
| Phosphorus              | 17         | ppm         | 30-150                              | Add 1.5 pounds of Soft Rock Phosphate or Bone Meal per 100 square feet to add phosphorus to your soil.   |
| Potassium               | 76         | ppm         | > 250 ppm                           | Add 3.5 pounds of Potassium Sulfate per 100 square feet to add potassium and sulfate to your soil.   |
| % Potassium             | 2.1        | %           | 1-10%                               |  |
| Calcium                 | 1124       | ppm         | > 400 ppm                           |  |
| % Calcium               | 60.4       | %           | 40-85%                              |  |
| Magnesium               | 250        | ppm         | > 75 ppm                            |  |
| % Magnesium             | 22.4       | %           | 10-40%                              |  |
| Sodium                  | 64         | ppm         |                                     | While 3% sodium saturation will not harm your crops, it does indicate a moderate amount of sodium is present. You may want to retest your soil in one year to monitor this level, and if it increases, you may want to test your irrigation water to determine if it is a contributing factor. |
| % Sodium                | 3          | %           | < 5%                                |  |
| pH                      | 6.2        |             | 6-7                                 |  |
| Buffer pH               | 6.82       |             |                                     |  |
| Hydrogen                | 1.1        | meq/100g    |                                     |  |
| % Hydrogen              | 11.8       | %           |                                     |  |
| CEC                     | 9.3        | meq/100g    |                                     | Cation exchange capacity (CEC) indicates your soil's ability to hold crop nutrients, and can increase with additions of compost, though it is pH dependent.  |
| Sulfur                  | 21         | ppm         | 30-50                               |  |
| Zinc                    | 7.2        | ppm         | 1.5-10                              |  |
| Manganese               | 7          | ppm         | 20-250                              | Add 0.4 ounces of Manganese Sulfate per 100 square feet to add manganese to your soil.   |
| Iron                    | 103        | ppm         | 25-200                              |  |
| Copper                  | 1.4        | ppm         | 1.5-3                               | Add 0.2 ounces of Copper Sulfate per 100 square feet to add copper to your soil.   |
| Boron                   | 0.6        | ppm         | 0.7-1.5                             | Add 0.5 ounces of Borax per 100 square feet to add boron to your soil.   |
| Soluble Salts           | 0.18       | mmhos/cm    | < 1.5                               |  |
| Texture                 | Sandy loam |             |                                     |  |

The fertilizers, applied at the rates listed, are sufficient for one year. You may want to split the nitrogen fertilizer and compost applications and add half twice during the year. You are welcome to contact us if you are interested in applying other fertilizers not listed and want to avoid adding excess nutrients which may slow your soil's progress. We recommend retesting your soil in 1-2 years. If you are using a pH-adjusting fertilizer, apply it first and wait one month before adding the rest of the amendments. Broadcast all remaining amendments, mix them into the top 2-4 in (5-10 cm) of soil, then the soil can be planted. Extensive efforts are taken to ensure the recommendation's accuracy based on the test results received. However, Grow Your Soil does not accept liability for the outcome due to testing, sampling and farming variabilities.