

Fieldman: KEVIN GROVE

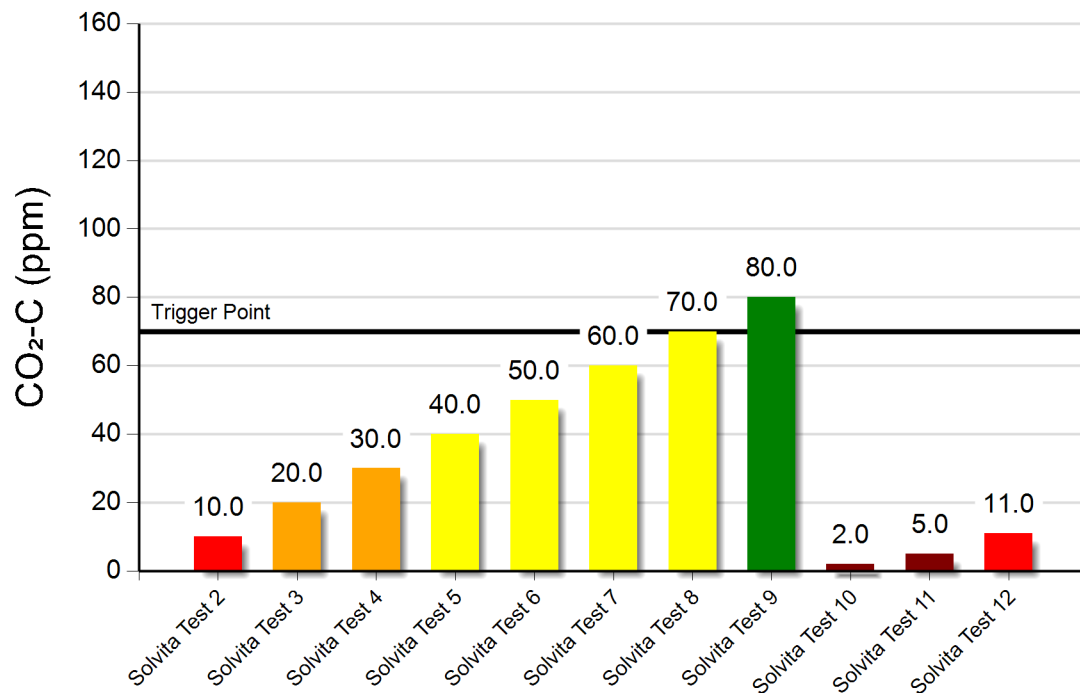
KEVIN GROVE

SOIL

Date Sampled: 1/1/2017



Solvita Respiration



| Field Description | CO ₂ -C (ppm) |
|-------------------|--------------------------|
| Solvita Test 2 | 10.0 |
| Solvita Test 3 | 20.0 |
| Solvita Test 4 | 30.0 |
| Solvita Test 5 | 40.0 |
| Solvita Test 6 | 50.0 |
| Solvita Test 7 | 60.0 |
| Solvita Test 8 | 70.0 |
| Solvita Test 9 | 80.0 |
| Solvita Test 10 | 2.0 |
| Solvita Test 11 | 5.0 |
| Solvita Test 12 | 11.0 |

Notes

| CO ₂ -C Burst (ppm) | Potential N-Mineralization | Soil Condition / Microbial Biomass Carbon |
|--------------------------------|--|--|
| 71-160 | High N-Potential Soil: May be sufficient N for many crops without added N-fertilizer. | Soil very well supplied with organic matter; Microbial Biomass Carbon < 3500 ppm |
| 31-70 | Moderately: Soil has limited need for supplemental N. | Moderate well supplied; Biomass Carbon < 1500 ppm |
| 13-30 | Moderate-Low: Supplemental N may be required for some crops. | Medium-Low in active organic matter; Biomass Carbon < 600 ppm |
| 6-12 | Low: Will not provide sufficient N for most crops | Low in microbial activity; Biomass Carbon < 250 ppm |
| 0-5 | Very Low: Little biological activity & insufficient humus; may require significant fertilization | Soil very low in microbes; Biomass Carbon < 100 ppm |