

Solvita Respiration Test Results

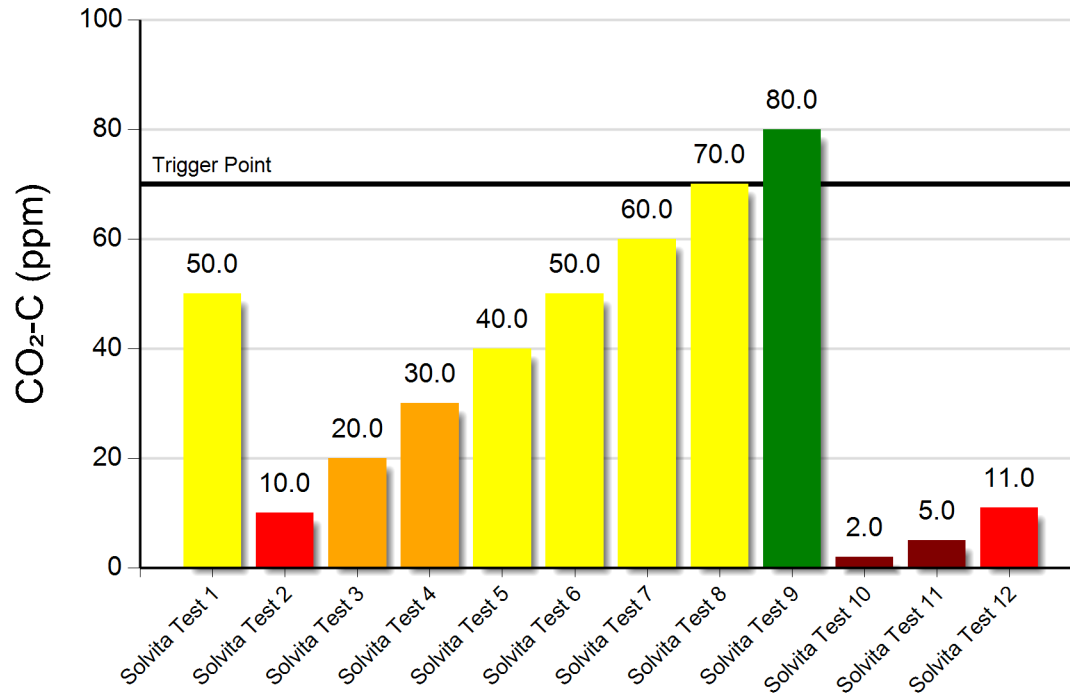
KEVIN GROVE

Fieldman: KEVIN GROVE

Date Sampled: 1/1/2017

SOIL






Solvita Respiration



Field Description	CO ₂ -C (ppm)
Solvita Test 1	50.0
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