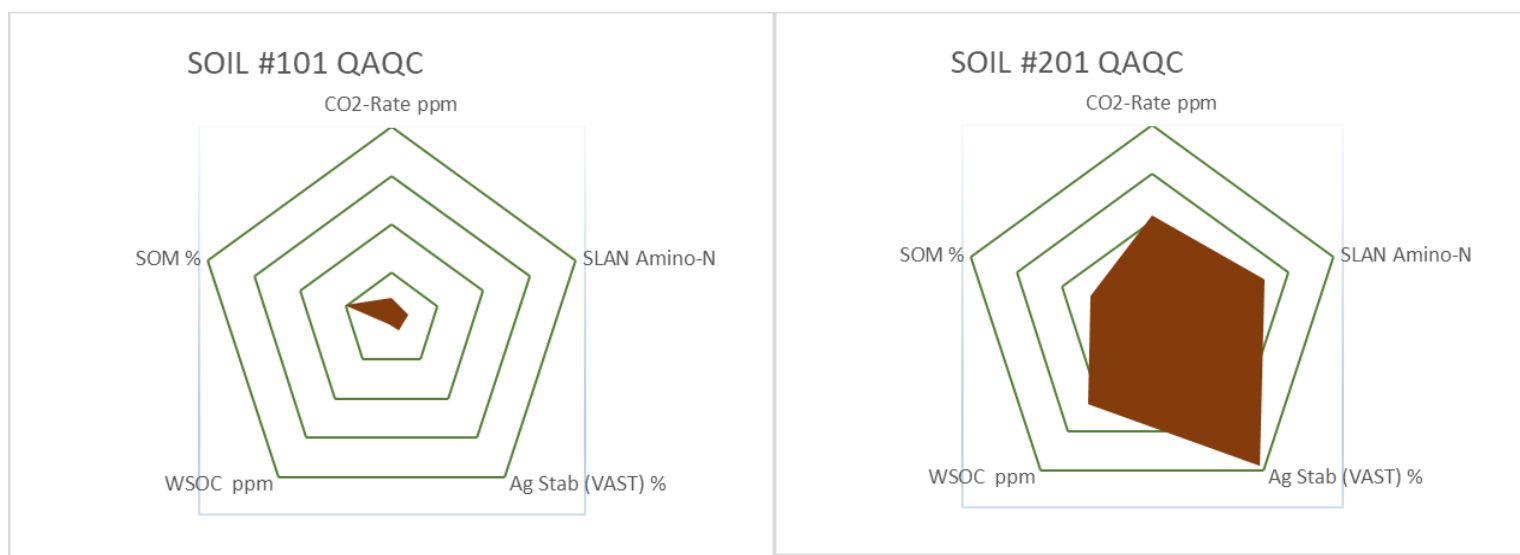# HOW TO SCORE SOIL HEALTH TEST RESULTS

SOLVITA®

CALCULATOR FOR SCORES

Soil health is best evaluated by using multiple indicators that have relevance to healthy functioning. The concept of "triangulating" to obtain a more precise "location" is widely adaptable, and if used for soil health can assist in making determinations more reliable. Woods End Labs employs a matrix into which is inserted the Solvita® suite of CO_2, SLAN + VAST, and additional parameters, to result in an overall ranking score.

Parameter	Set Max Target	Soil Test Result	RANK (max = 50)
CO2-Rate ppm	200	82	20.5
SLAN Amino-N	300	150	25.0
Ag Stab (VAST)	80	62	38.8
Active Carbon	400	183	22.9
SOM %	7	3.8	27.2
Final Score			26.9

The following table shows a set of results against target values based on experience with these tests. The simple math behind it can be built into a LIMS editor for automated streaming reports from lab results.

These data in tabular form can also be used to create a "radar" plot as indicated below. Shown is a comparison of Woods End's two 2016 Proficiency soils: a depleted Piedmont farm (#101 left) versus a northeast organic farm (#201 right). The power of this visual representation is obvious as the samples appear to diverge strongly from each other.

For more information and to obtain an excel sheet calculator please contact Woods End Lab (solvita@woodsend.com or call 800-451-0337).