What We Mean by Soil Health

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Field, Lab, Earth, a podcast of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, is now offering CEU quizzes for all standard-length podcasts. Purchase the quizzes individually or as part of your subscription. For your convenience, we'll be publishing some of the quizzes here in *Crops & Soils* magazine.

Below is a quiz from Episode 23 (What We Mean by Soil Health with Dr. Ryan Stewart).



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1. Soil health can be defined as a representation of the ability of a soil to sustain agricultural productivity as well as ecosystem functioning, integrating physical, chemical, and biological characteristics of the soil.
    1. True.
    2. False.
2. How many indicators of soil health did they identify in the study?
    1. 23.
    2. 42.
    3. 64.
    4. 80.

3. Which of the following were identified as broader categories for soil health indicators?
    1. Physical properties.
    2. Chemical characteristics.
    3. Biological indicators.
    4. Environmental states and fluxes.
    5. Agronomic responses.
    6. a, b, and d.
    7. All of the above.
4. Which of the following was not investigated during the study?
    1. What soil health indicators were being measured.
    2. How many soil health indicators were measured per study.
    3. How often individual indicators were measured across studies.
    4. How useful individual indicators were across soil types.
    5. How individual indicators were measured within studies.
5. Which of the following indicators met the criteria of a 10% or greater change in response ratio, due to cover crops within the first one to three years of cover crop implementation?
    1. Soil aggregate stability.
    2. Infiltration rates.
    3. Soil erosion rates.
    4. Carbon and nitrogen rates from soil microbes.
    5. a, b, and c.
    6. All of the above.
    7. None of the above.

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