

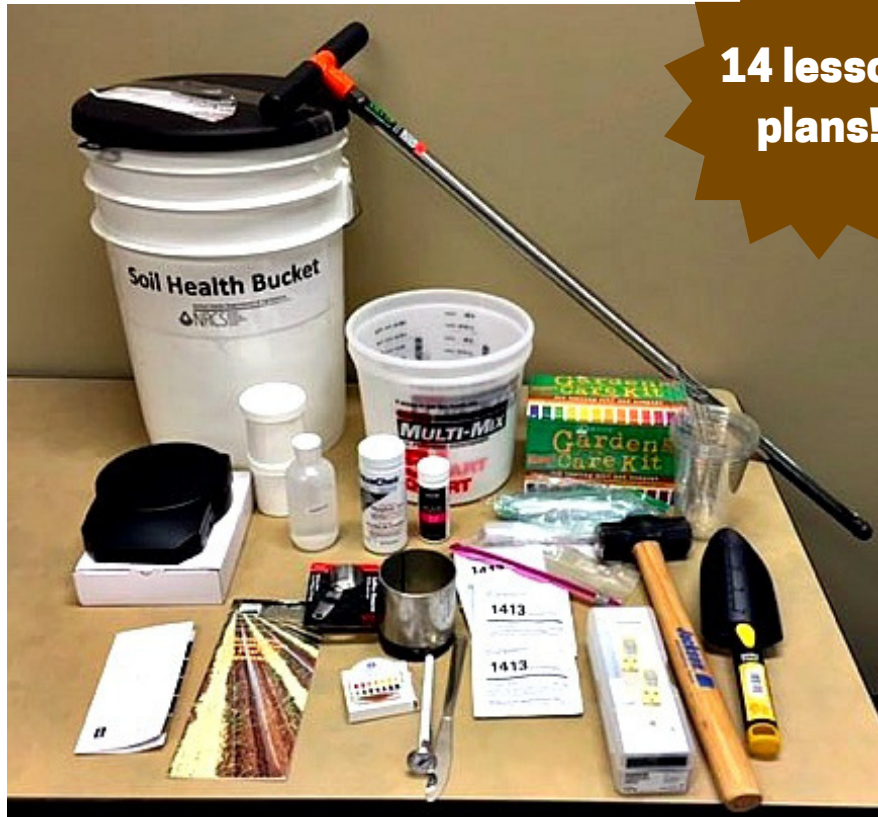


United States Department of Agriculture

Soil Health Bucket

The NRCS South Dakota developed the Soil Health Buckets. Buckets are made available in partnership with the South Dakota Soil Health Coalition. This is a great learning resource with lesson plans and tests suitable for any group. Ideas for use; contact your local Agriculture Teacher, 4-H Leader, FFA Advisors or any other local groups or organizations that would enjoy learning more about soil. Additional lesson plans can be found at www.sd.nrcs.usda.gov search South Dakota Soil Health Learning Resources.

14 lesson plans!



Contents:

- Bucket Seat
- 1/8 Measuring Cup
- Plastic Bags- sandwich, 1qt.
- Butter Knife
- 2 - 40 dram Vials for 1:1 Ec
- 2 lb Hammer for BD and Infiltration
- Hand Towel
- Small Tape measure - 6-10' long
- Plastic bottle (6 oz.) w/ Flip-top for Distilled water
- Portable scale
- Soil Probe - 0-24"
- 1/4" hardware cloth
- Cups
- SOM Chart - University of Illinois pocket Guide
- Soil Moisture by Feel - (USDA Pub.)
- 3" cylinder
- Solvita Garden Care Kit
- Ec Meter plus 10 calibration solution packets
- 25 Ec calibration solution packets
- 1 roll pH test paper
- Soil N test strips and Bottle for color chart
- Soil P test strips and Bottle for color chart
- Soil Infiltration Kit with 6" ring
- Pocket dial thermometer
- 5 quart pails

Lesson Plans Listed:

- 1) Physical Soil Properties /Slake test
- 2) Soil Organic matter
- 3) Soil Texture
- 4) Est. Soil Moisture by Feel
- 5) Soil Quality measurement
- 6) Soil Bulk Density
- 7) Soil Respiration
- 8) Soil Ec
- 9) Web Soil Survey
- 10) Soil pH
- 11) Soil Nitrogen
- 13) Soil Phosphorus
- 14) Soil Infiltration



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