



## Soil Test Submission Sheet

Send soil samples with check to:

**Morgan Composting Inc.**

4353 U.S. 10

Sears, MI 49679

phone: (231) 734-2451

email: [info@dairydoo.com](mailto:info@dairydoo.com)

[www.dairydoo.com](http://www.dairydoo.com)

### OFFICE USE ONLY

Date: \_\_\_\_\_

Salesman: \_\_\_\_\_

Paid

\$ Amount: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/St/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ County: \_\_\_\_\_

Email: \_\_\_\_\_ Tractor Access? YES NO

Spreader access? Lime, manure, cone, drop, other: \_\_\_\_\_

### CIRCLE ONE OR MARK SAMPLE INDIVIDUALLY

Organic

Conventional

Sustainable

Other: \_\_\_\_\_

**Basic Nutrient Test (Mehlich 3 acid extraction): MOST COMMON TEST** includes CEC, Base Saturation, pH, Organic Matter, Sulfur, Phosphate (Mehlich III), Calcium, Magnesium, Potash, Sodium, H%, Boron, Iron, Manganese, Copper, Zinc and Aluminum.

**Saturated Paste Test (water extraction):** pH, Soluble Salts, Chloride, Bicarbonate, Sulfur, Phosphorus, Calcium, Magnesium, Potassium, Sodium, Boron, Iron, Manganese, Copper, Zinc and Aluminum

**Complete Soil OR Potting Soil Test:** Includes a basic nutrient test, saturated paste test, Nitrate, Ammonia, and Media Density Test.

**Standard Soil Health Test (The Haney Test):** Includes a Basic Nutrient Test (Ammonium acetate/DTPA), H3A Extraction, and CO2 respiration test. Uses chemical and biological soil test data to mimic and estimates the soil biology's effects on nutrient availability.

**Advanced Biological Test (PLFA):** Analysis of the living microbial biomass, identifying presence or absence of functional groups.

**Solvita CO2 Respiration Test:** Tests for microbial activity by measuring CO2 respiration, indicating estimated organic N release.

**\*PLEASE SEND BETWEEN 1 PINT AND 1 QUART OF SOIL PER TEST**

**\*\*RECOMMENDATIONS WILL NOT BE INCLUDED IF CROP AND ACREAGE ARE NOT FILLED OUT**

**\*\*\*SEE BACK FOR SAMPLING INSTRUCTIONS AND ADDITIONAL TESTING**

| Sample Info               |                                  | Basic Tests                |                             |                                  |                            |                             | Biotests      |                                 |                                   |  |                    |
|---------------------------|----------------------------------|----------------------------|-----------------------------|----------------------------------|----------------------------|-----------------------------|---------------|---------------------------------|-----------------------------------|--|--------------------|
| # OF ACRES OR SQUARE FEET | SAMPLE DEPTH (See Back of Sheet) | Basic Nutrient Test - \$35 | Saturated Paste Test - \$40 | Comp. Soil/ Potting media - \$75 | Molybdenum & Cobalt - \$20 | Nitrate and Ammonium - \$20 | pH only - \$5 | Soil Health Test (Haney) - \$80 | Advanced Biological (PLFA) - \$80 | Solvita CO <sub>2</sub> Respiration - \$20 | Other - (See Back) |

| Sample ID | Previous Crop | Current/ Future Crop | eg 20a |  | eg 6in |  | which test(s) desired |  |  |  |  |  |
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Special Instructions:

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### SAMPLING INSTRUCTIONS:

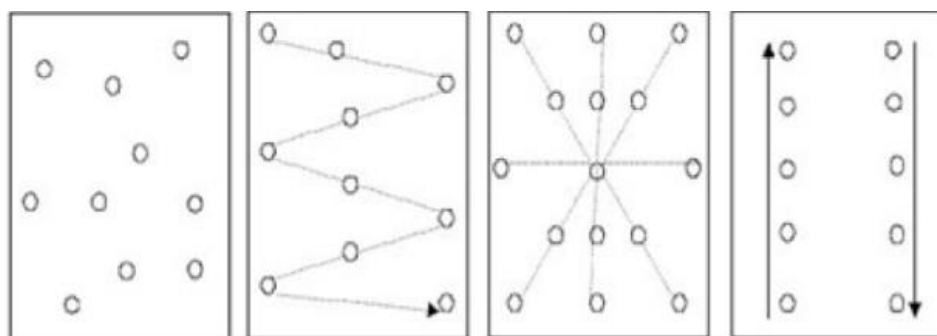
1. Begin with a clean plastic pail and either a soil probe, spade, or trowel.
  - a) If using a probe, push it down to the recommended depth and empty the core into the bucket.
  - b) If using a shovel, dig a hole to the recommended depth. From that hole, take a slice off the side of the hole to ensure you get an even amount of soil from the surface down to the recommended depth. Add the slice to the clean plastic pail.

#### Recommended depths:

**Default:** 6in.    **Row Crops:** 8 in.    **Mixed Vegetables:** 6 in.    **No till/pasture:** 4 in.    **Vineyards/ Orchards:** 8-12 in.

2. Using the method described above, take 15-20 subsamples throughout the sampling area using one of the patterns shown in the figure below. Combine the 15-20 subsamples into a single clean plastic pail and mix thoroughly.

3. From the well-mixed bucket of subsamples, take between a pint and a quart of soil and fill the sample bag. Complete the submission form and submit it to the address listed at the top of this page or to one of our authorized dealers.



### OTHER AVAILABLE TESTS

| Test:   | Cost: | Includes:   |
|---|-------|---|
| Soil DNA Analysis   | \$220 | A comprehensive report on soil nutrient cycling, soil health, biodiversity and more, delivered in a user-friendly breakdown of the soil microbiome functions.   |
| Compost Analysis  | \$100 | Nitrogen (total, organic, ammonium, and nitrate), Phosphate, Potash, Calcium, Copper, Iron, Magnesium, Manganese, Sodium, Sulfur, Zinc, Moisture/ Total Solids, Total Salts, pH, C:N Ratio, Total Carbon, Chloride  |
| Heavy Metals (Soil, Potting Soil, or Compost)                     | \$175 | Arsenic, Cadmium, Cobalt, Copper, Chromium, Lead, Mercury, Molybdenum, Nickel, Selenium, and Zinc   |
| Lime Analysis   | \$100 | Calcium, Magnesium, Total Neutralizing Value, Sieve 4, Sieve 8, Sieve 60, ECC, Moisture   |
| Total Neutralizing Value (CaCO <sub>3</sub> Equivalent)           | \$40  | Total Neutralizing Value/ Calcium Carbonate Equivalent  |
| Fertilizer Analysis   | \$145 | Nitrogen (total), Phosphate (P <sub>2</sub> O <sub>5</sub> ), Potash (K <sub>2</sub> O), Boron (Total), Sulfur (Total), Phosphorous (Total), Potassium (Total), Magnesium (Total), Sodium (Total), Iron (Total), Calcium (Total), Manganese (Total), Zinc (Total), and Copper (Total)                                 |
| Plant Tissue Analysis<br>(Contact us for proper sampling methods) | \$40  | Nitrogen, Sulfur, Phosphorous, Potassium, Magnesium, Calcium, Iron, Manganese, Copper, Boron, and Zinc  |
| Water (Irrigation Quality)  | \$90  | Sodium (Total), Calcium (Total), Magnesium (Total), pH, Nitrate Nitrogen, Conductivity, Total dissolved Solids, Sodium Adsorption Ratio, Phosphorous (Total), Potassium (Total), Bicarbonate Alkalinity, Chloride, Boron (Total), Iron (Total), Manganese (Total), Copper (Total), Zinc (Total), Carbonate Alkalinity |
| Soil Test (Ammonium Acetate/ DTPA )                               | \$45  | Organic Matter, Available Phosphorous (P1 Weak Bray, P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium, Hydrogen, pH, Buffer Index, CEC, % Base Saturation of Cation Elements, Nitrate-N, Soluble Salts, Sodium, Excess Lime, Sulfur, Zinc, Manganese, Iron, Copper, and Boron                              |
| Silicon (Extractable)   | \$35  | Extractable Silicon   |
| Plant Parasitic Nematode Analysis                                 | \$90  | Live Parasite ID  |

**Don't see the test you are looking for? We offer many testing services not shown on this sheet. For more information, call 231-734-2451 and ask for an Agronomist in regards to additional testing services.**