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Comparison of Soil Test Labs
With a Special Note of Information Needed for UM-PMT
(1/5/17 update)

General Information

- **Laboratories included in this comparison (with the exception of AgroLab) were participants in the 1995 sample exchange.**
- ASSUME PAYMENT MUST BE INCLUDED WITH SAMPLES.
- Organic matter (OM) is an important soil property to track, but it is not offered in some basic packages. Producers are advised to request OM even if they choose a lab that charges an additional fee for the information.
- Soil texture analysis is not offered by many labs in their basic packages. If labs do offer the analysis for a separate fee, it is often very expensive. Soil texture of the dominant map unit in a field can be obtained from Web Soil Survey.
- Soil sampling depth should be 8 inches.
- There is no need to request recommendations from the soil test labs.
- Most labs have order forms and price lists on their website.
- A new soil characteristic called the **Degree of Phosphorus Saturation** or **DPS** will be required on fields where phosphorus-bearing nutrient sources are intended and soil test phosphorus is equal to, or greater than, 150 FIV. Some labs already provide DPS as part of their basic packages while others do not. Consult the right column of the table below for information on acquiring DPS or the necessary information for calculating it.

Lab	Cost	Analyses	Comments	Degree P Saturation (DPS) or Al and Fe reported?
Waypoint Analytical Virginia, Inc. (Previously A & L Eastern Laboratories) 7621 Whitepine Road Richmond, VA 23237 Phone: 804-743-9401 www.al-labs-eastern.com	**$8.50 (Mehlich-3)** without recs **$1.00 each for Al and Fe**	**Basic Mehlich-3 Package (S1M)** OM, P, K, Ca, Mg, pH, buffer pH, CEC, percent base saturation of cations Al & Fe - required for high P soils to determine DPS for UM-PMT	Several micronutrient combinations are also available. See Schedule of Fees.	Al and Fe can be requested for an additional $3 per sample. *NuMan Pro 4.2* can calculate DPS when soil test includes Mehlich-3 Fe & Al.
Agri Analysis, Inc. 280 Newport Road PO Box 483 Leola, PA 17540 Phone: 717-656-9326 or 1-800-464-6019 www.agrianalysis.com	**$10.00 private** **$11.00 private** **$1.50 each for Al & Fe**	**SBA** pH, buffer pH, lime requirement, P_2O_5, K_2O, Ca, Mg, CEC **SBOM** SBA+OM Al & Fe - required for high P soils to determine DPS for UM-PMT	Commercial prices available; contact for more information.	Al and Fe can be requested for an additional $3 per sample. *NuMan Pro 4.2* can calculate DPS when soil test includes Mehlich-3 Fe & Al.

Lab	Cost	Analyses	Comments	Degree P Saturation (DPS) or Al and Fe reported?
AgroLab, Inc. 101 Cluckey Dr. Harrington, DE 19952 Phone: 302-566-6094 www.agrolab.us	**$10.00** Volume discounts available	**BSF** pH, buffer pH, OM, P, K, Ca, Mg, CEC, percent base saturation of cations, Phosphorus Saturation Ratio	See website for more analyses.	Yes. Phosphorus Saturation Ratio is the same as DPS and is part of their standard soil test.
Brookside Laboratories, Inc. 200 White Mountain Drive New Bremen, OH 45869 Phone: 419-977-2766 www.blinc.com	**Price determined by consultant**	**SOO1** pH, OM, Mehlich-3 P, Mn, Zn, B, Cu, Fe, Al, CEC, percent base saturation of cations, S, Bray II P	Brookside does not provide recs. Consultants develop the recs. Brookside prefers to receive samples from their consultants only.	Al and Fe are routinely reported for option SOO1. *NuMan Pro 4.*2can calculate DPS from this information.
Pennsylvania Agricultural Analytical Services Penn State University University Park, PA 16802 Phone: 814-863-0841 http://agsci.psu.edu/aasl	**$9.00** **$5.00** **$6.00**	**Standard Soil Test** pH, Mehlich lime requirement, P, K, Ca, Mg, Zn, Cu, S **OM** Al & Fe - required for high P soils to determine DPS for UM-PMT	See website for more analyses.	Al and Fe can be requested for an additional $6 per sample. *NuMan Pro 4.2* can calculate DPS when soil test includes Mehlich-3 Fe & Al.
Spectrum Analytic, Inc. PO Box 639 1087 Jamison Road NW Washington Court House, OH 43160 Phone: 800-321-1562 www.spectrumanalytic.com	**$8.00** **$2.50** for Fe Al is free if requested	**S1** pH, buffer pH, OM, P, K, Ca, Mg, CEC, percent base saturation of cations Al & Fe - required for high P soils to determine DPS for UM-PMT	See website for more analyses.	Aluminum will be reported for free if requested. Iron (Fe) can be tested in addition to S1 for an additional $2.50. *NuMan Pro 4.2* can calculate DPS when soil test includes Mehlich-3 Fe & Al.
University of Delaware Soil Testing Program 152 Townsend Hall 531 S. College Avenue Newark, DE 19717-1303 Phone: 302-831-1392 www.ag.udel.edu/dstp	**$12.00**	**B1**-Commercial Agriculture Soil pH, lime requirement, OM, P, K, Ca, Mg, Mn, Zn, Cu, Fe, S, B, Al, Phosphorus Saturation Ratio.		Phosphorus saturation ratio is the same as DPS and is included in B1 Routine Analysis
Waters Agricultural Laboratories, Inc. 2101 Calhoun Rd Highway 81 **Owensboro, KY** 42301 Phone: 270-685-4039 www.watersag.com	**$7.50** **$3.50**	**Routine Test 1 (R1)** pH, buffer pH, OM, P, K, Ca, Mg, CEC, percent base saturation of cations, PLUS ANY TWO OF: B, Zn, Mn, Fe, or Cu. **Al** Al and Fe are required for high P soils to determine DPS for UM-PMT	**Maryland samples should now be sent to Waters – Kentucky.** The Waters' Kentucky lab uses Mehlich 3 as an extractant.	Fe and Al must be requested. Write M3 & nutrient management on soil submission form.