Soil sample boxes can be picked up at your county MSU Extension Service office. It is important that all information asked for on the container, as well as any additional paperwork, be filled out completely and accurately. Crop code 95 should be used for any wildlife seed mixtures (clover, alfalfa, ryegrass, chufa, etc.).

For more information, forms, sample boxes, sampling publications, packaging, and instructions, contact your local county Extension Office or MSU-ES Soil Testing Laboratory. The cost is $6.00 per soil sample.

Samples may be sent directly to the MSU-ES Soil Testing laboratory at the address below or may be returned to your local MSU-ES office. Be sure to include the information sheet and check or money order with the package. Label and tightly secure the shipping container.

MAIL PACKAGES TO:
MSU-ES Soil Testing Laboratory
Box 9610
Mississippi State, MS 39762-9610

Mississippi State University Extension Service Soil Testing Laboratory is committed to meeting the needs of its clientele with an accurate and timely report of soil or plant sample for optimum production.
IF YOU ARE INTERESTED IN **enhancing wildlife on your property—bigger deer, more quail, larger turkeys—**

THEN YOU MUST UNDERSTAND THE IMPORTANCE OF SOILS, SOIL FERTILITY and TYPE INFLUENCES MANY ASPECTS OF WILDLIFE, INCLUDING POPULATION DISTRIBUTION, ABUNDANCE, and QUALITY.

FOR EXAMPLE, RESEARCH HAS SHOWN THAT ANTLER SIZE IN WHITE-TAILED DEER IS DIRECTLY AFFECTED BY SOIL FERTILITY.

The establishment of food plots is one management technique that more and more landowners are using to benefit wildlife. If you are interested in establishing food plots for wildlife, a soil test is necessary for success. A soil test will provide recommendations for lime and fertilizer, customized to your site and for the plants in which you are interested. The MSU-Extension Service soil testing laboratory runs a variety of tests on soil samples including: pH, buffer pH (lime requirement), phosphorus, potassium, calcium, magnesium, sodium, and zinc. Based on these tests, your report will recommend levels of nitrogen, phosphorus, and potassium needed for your specific situation. In addition, a soil test will provide you with lime recommendations to balance acidic soils, which are common in Mississippi. However, because some soils within the state are alkaline and do not require lime, a soil test is always recommended to determine the requirements for your site. Lime can improve the physical, chemical, and biological conditions in acid soils, resulting in greater root proliferation, earlier aboveground plant growth, and improved nutrient and water uptake. Without proper liming, fertilization can be a wasted effort and expense (see table).

Proper collection of soil samples is extremely important to ensure reliable recommendations. To properly collect a soil sample, take several sub-samples from throughout the field and mix them together to obtain an average for the entire area. The number of sub-samples needed is dependent on the size of the field; as a rule of thumb, take about 10 sub-samples for every acre in the field. Thus, if you planned to establish a 1-acre wildlife food plot, plan on taking 10 sub-samples that you would combine into a single sample for that field. Sub-samples should be collected from the top layer of soil, which is 0-6 inches in depth. Mix the sub-samples together to form a uniform sample and discard any plant material that could have been collected.