

In the report below the lime requirements for your pond can be found under the heading "Recommended Lime". In this example 1 ton per acre is recommended. Note that in the comment section some fertilizer recommendations are given.

Mississippi State University Extension Service  
Mississippi State University and U.S. Dept. of Agriculture Cooperating

Plant and Soil Sciences-----Soil Testing Lab  
Box 9610  
Mississippi State, MS 39762

9364

May 15, 2001

Agent: Perry E. Lee  
Mendenhall

AAA-470551

Simpson County

Lab# : 800-800

Field ID	Extractable Nutrient Levels(lbs/acre)									Recommended Lime (Tons/Acre)	Needed Plant Nutrients Pounds Per Acre				Example of Fertilizer Mixture to Supply Recommended Plant Nutrients	
	PH	P	K	CA	Mg	S	ZN	NA	CEC		ZOM	YR	N	P205	K20	Example 1
1PC	5.1	66 M	33	120	26 M		4.3 H+	203	4.0	1.0	1	000			See comment	
												2	000			
												3	000			

Crop : Farm ponds

At Bottom of Report, See Comment Nos. 500, 9010, 9030

Keys: \$PH = Soil Acidity      \$K = Potassium      \$VL = Very Low      These are only examples for each mixture; other  
 \$P = Phosphorus      \$N = Nitrogen      \$L = Low      fertilizer mixtures can be used. Call your county  
 \$CA = Calcium      \$OM = Organic Matter      \$M = Medium      agent if you need assistance determining the  
 \$MG = Magnesium      \$P205 = Phosphate      \$H+ = Very      amount of other mixtures to be applied.  
 \$S = Sulfur      \$K20 = Potash      \$EX = Excessive  
 \$ZN = Zinc      \$CEC = Cation Exchange Capacity      \$TX = Toxic  
 \$NA = Sodium

- Comment: 500 We do not recommend fertilizer for catfish ponds. Lime, if needed, should be added to catfish ponds. For farm ponds, fertilizer should be applied when the water temperature reaches 60-65 degrees Fahrenheit or between March 15 and April 15. Lime should be applied in the fall when possible. Retest every 2-4 years to determine lime needed. See extension information sheet #229, "Fertilizing Farm Ponds," available at your local county agent's office.
- Comment: 9010 If lime is recommended, use dolomite lime to supply magnesium. If lime is not recommended and the crop is corn, sorghum, cotton, or ryegrass, use 10 to 20 lbs of magnesium per acre if the soil test Mg level is medium or low.
- Comment: 9030 Lime is most effective in conventionally tilled crop production if applied 3 or more months prior to planting. If application this far in advance is not possible, lime can be applied anytime, but will not be as effective the first year. The lime recommendation assumes a calcium carbonate equivalent (CCE) of 100%. However, many commercially available liming materials CCE values are lower. Recommended rates should be adjusted upward when CCE is less than 100%. CCE values are used to determine two grades of limestone-based materials in Mississippi, A and B. Example of adjusted lime recommendation (ALR) for a two ton recommended rate if CCE = 80%:  
 (ALR) = 2 tons lime per acre x (100/80) = 2.5 tons per acre. Additional information on lime characteristics is available in MSU Extension information sheet No. 1587, Agricultural Limestone Neutralizing Value. If a lime recommendation exceeds more than 2 tons per acre, it would be more economical to apply 2 tons then submit another soil sample or apply the remaining lime before the next crop.