

Soil Samples For Nematodes

By Wiley DuVall

What is a nematode? How much do you, as a farmer, know about nematodes? You may feel that you do not need to know anything about them.

The damage done by nematodes is measured in the billions of dollars over the years. For this reason, we need to know something about them. Here, in Madison, they have done tremendous damage to tomato and tobacco crops.

We must use a magnifier or microscope to see nematodes, because most of them are very small and nearly transparent. A nematode is a small eel-like animal resembling an earthworm. Most of them are 1/50 to 1/4 inches in length. For example, about 8,000 lesion nematodes could be on your thumbnail without overlapping.

A nematode moves by levering its body up and down, swimming in soil or surface water like an eel. When they move, they closely resemble a snake gliding across sand. Those nematodes which feed on plants have mouths equipped with a small needle-like structure called a stylet. They feed on a plant by puncturing the skin of a plant root and sucking out the cell contents.

Most plants nematodes live in the soil, but some live within the root. This could be compared to damage done by a tapeworm feeding inside a chicken or an animal. It saps the vitality of the plant or animal.

Nematodes cause dead, discolored, and deformed areas on the roots. Plants, under attack, lose vigor and become unthrifty. The size and quality of fruits and vegetables or tobacco is reduced. They may even cause death of the plant.

When they puncture the roots of a plant, they open the door for disease infections to enter. Even resistant varieties will sometimes come down with a disease in the presence of nematodes.

You may ask how anything as small as a nematode could cause this much damage. One goat would not bother you much, but a whole swarm would. This is the case with the nematode. In the presence of

a susceptible crop, they can build up fast. One female root knot nematode can lay 500 eggs at one time. These can hatch, mature, and be laying eggs within thirty days. You can see what happens when each of these 55 lay 500 eggs. In ninety days, under proper conditions, there could be 125 million adult nematodes from this one female.

This is the reason why it is so important to rotate crops and to destroy the stubble of old crop. This helps to prevent the build-up in number. When tobacco roots are plowed out and left on top of the ground, they will dry out and the nematodes will die.

Nematodes can be brought into an area on the roots of transplants, if they come from areas where plant beds are not fumigated.

If you suspect nematodes, you can send a soil sample to Raleigh for an exact count. They will tell you how many nematodes there are per pint of soil and what kind they are.

I have seen reports on fields in this county which showed as many as 73,000 root knot nematodes per pint of soil. This many nematodes can just about destroy a crop of tobacco or tomatoes.

It would be very foolish to grow a crop in such a field without first treating it for nematodes. Contact your local Agricultural Extension office for information on taking nematode soil samples and on treating fields for nematodes.

Revival To Start At Church Of God In Guntertown

A series of revival services will begin Sunday night at the Church of God in Guntertown.

The Rev. Chapel Shelton will deliver the sermons at 7:30 nightly.

All singers and the public are invited.

DIAL - A - PRAYER
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Demo Dinner

(Continued From Page One)

Dewey, Kerr Scott and Pat Taylor, Sr., were the Democratic candidates for governor and lieutenant governor.

This year, he said, Hubert H. Humphrey is running for president against a Wall Street lawyer named Richard Nixon. Bob Scott, Kerr Scott's son, and Pat Taylor, Jr., head the state ticket, he said.

"Under Bob Scott, Pat Taylor and Hubert Humphrey, this country will have a prosperity comparable to the Scott-Taylor-Truman years," Gudger declared.

In a surprise visit to the dinner, Congressman Roy A. Taylor voiced his alarm over proposals of W. Scott Harvey, his opponent in the November 5 election, about his (Harvey's) promise last week to restudy and resurvey the proposed sites for flood control dams. Taylor said Harvey's stand could be a fatal blow to the TVA Flood Control Program for the French Broad River Basin.

"The study period has ended and we are ready for action next spring," Taylor said. "Mr. Harvey's suggestion would be a move backward. This year we lost two valuable industrial prospects because of the flood danger to an otherwise desirable site. This flood control program should not be delayed further."

A highlight of the evening was the appearance of the "Lennon Sisters" and the "Mills Brothers" who sang under the direction of Mrs. W. A. Whitson and George R. Shupe, neither of whom had ever directed before. Apparently the singers had never sung before, because Pat Taylor said that the only thing that could defeat the state ticket would be if "that male quartet ever gets out of Madison County!" The crowd loved them as they loudly applauded their antics.

Participants in the act, who said they were only going beyond the 'call of duty' to aid their party and their country, were Mrs. E. C. Clark, Mrs. Earl Robinson, Mrs. Nathan West, Mrs. Caney Ramsey, Bill Roberts, Tom Wallin, Zeno Ponder and Jackie Ball. The songs were written by Mrs. Grover James who has directed the Madison County Playmakers in other

Helping Hands 4-H Club Learns Parts Of A Camera

The Marshall Helping Hands 4-H Club held its regular monthly meeting Saturday, October 19, at 1:30 p. m., in the Madison County Extension Office Building.

Edna Ann Silver, president of the club, called the meeting to order at 1:30 p. m. The club made plans to elect officers during the November meeting. The Heart group won the attendance contest.

A photography demonstration was given by Edna Ann Silver. The title of the demonstration was "The Parts of a Camera and Their Purpose."

Diana and Donna Gail Davis were welcomed as new members. Mrs. John Verlon Davis and Eddie Davis attended as visitors. The meeting was adjourned. EDNA ANN SILVER

productions for the club meetings. Also on the program were Miss Billie Lynn Roberts, president of the Madison County Teen Dems; Mrs. Rankin Wallin, vice president of the Women's Club; James E. Allen, president of the Young Democrats Club; and J. C. Wallin, Jr., chairman of the Democratic Executive Committee.

Candidates recognized were Representatives Liston B. Ramsey and Ernest Messer; Herbert L. Hyde and George M. Stephens for the Senate; Ervin Adams, Harold Wallin and Nathan B. West, for commissioners; Hilliard Teague for Register of Deeds; Eugene L. Wills for auditor; Don West for Tax Collector; Dr. W. A. Sams for Coroner; Dr. W. A. Whitson and Emery Wallin for Board of Education; and present board members, Bill Roberts, Jobie Henderson, Dr. Bruce Sams, Dr. Otis Duck, and Burlin Ricker.

Fourteen members of the Teen Dems Club helped serve the meal. They were Karen Robinson, Sandra Hunter, Ruth Ann Cantrell, Yates Ward, Terry Bryan, Russell Wyatt, Rickey McDevitt, Wallace Ponder, Sandra Kent, Joyce Ball, Sandra Treadway, Ronnie Graham, Carolyn Graham, and Priscilla Rice.

Wildcats Slosh Over Tornadoes, 25-12; Rosman Rolls Past Blue Devils, 33-0

Mars Hill - Marshall

Mars Hill High School rallied with three second half touchdowns and went on to whip Marshall, 25-12, on the Island here Friday night in a rain before 800 Homecoming football fans.

The loss was Marshall's eighth of the season while the Mars Hill Wildcats now have a 6-3 season's record.

Bob Holcombe capped a 74-yard drive with a four-yard run to give the visitors an early lead, but with 1:30 left in the first half, Marshall scored two quick touchdowns to take a 12-6 halftime lead.

Capping a 55-yard march Joey Nix grabbed a pass from James Haynie for the final 26 yards.

Mars Hill fumbled on the first play from scrimmage following the kickoff and Terry Bryan recovered for Marshall on the ninety-yard line. One play later Haynie hit Calvin Rhinehart for a touchdown pass and the Tornadoes led.

Needless to say, Marshall fans and players alike had a glorious feeling as the players left the field at halftime with a 12-6 lead.

The sudden touchdowns in the waning minute and a half of the first half, however, didn't ruffle the Wildcats as they came back in the third quarter for a touchdown and all-important extra point and added two more touchdowns in the final period to ice the game for the Wildcats.

Holcombe, scoring his second touchdown of the game, on a one-yard run, tied the game for Mars Hill in the second half and then ran the PAT to give the visitors a permanent lead.

David Thomas, on a 25-yard run, and Harry Dillingham, on a one-yard scamper, tallied Mars Hill's fourth quarter touchdowns.

	MH	M
First downs	12	1
Rushing yardage	258	22
Passing yardage	0	65
Passes	0-8-1	5-19-0
Punts	0-0	6-21
Fumbles lost	3	1
Yards penalized	31	51
Mars Hill	6	0
Marshall	0	12

FOOTBALL

TONIGHT (Thursday):
Marshall at Rosman

FRIDAY NIGHT
Bakersville at Mars Hill (Homecoming)

Cane River at Hot Springs

Oakley vs. Walnut Red Demons on Island, 7:30 p. m.

Marshall JVs Down Hot Springs, 27-0 On Island Tuesday

The Marshall Jayvees handed the Hot Springs Jayvees a 27-0 defeat on the Island Tuesday night to continue their winning ways.

The Marshall team scored in all four quarters with the following players scoring:

Wayne McDevitt, 22 yard run; Robert Cameron (twice), 38 and 25 yard passes from McDevitt; Clement Crowe, 31-yard pass from McDevitt. Adding extra points were Gene Nix, Frank Roberts, and Clement Crowe.

Score by quarters:

	Q1	Q2	Q3	Q4	Total
Hot Springs	0	0	0	0	0
Marshall	7	7	6	7	27

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Hot Springs - Rosman

The Rosman Tigers solidly defeated Hot Springs at Rosman Friday night as Mike Thorpe and Dale Whitmire confronted the Blue Devils with a devastating pass attack.

The Tigers overwhelmed Hot Springs by rushing for 260 yards and 170 yards passing compared to the Blue Devils' 82 yards rushing and 5 yards passing.

Marshall McCall, Rosman fullback, broke on a play from scrimmage running 76 yards for the first touchdown.

Mike Thorpe threw to Dale Whitmire for three touchdowns in the second and fourth quarters on 25, 75, and 10-yard pass plays. Dennis Stuart slipped around end for a 12-yard gain and a touchdown.

Jimmy Kitchens ran for all three of the Tigers' PATs.

Ray McCall, Dewey Aiken, and Denny Stuart played an outstanding game defensively for the Tigers.

	HS	R
First downs	6	11
Rushing yardage	82	260
Passing yardage	5	179
Return yardage	38	8
Passes	2-12-1	7-10-1
Punts	3-25	—
Fumbles lost	4	3
Yards penalized	65	70
Hot Springs	0	0
Rosman	6	6

Mars Hill PTSA To Serve Supper At Cafeteria Fri.

Members of the Mars Hill PTSA will serve a delicious supper in the school cafeteria on Friday night from 5:30 to 7:30 o'clock, prior to the Bakersville-Mars Hill football game. Homecoming ceremonies will be held and a large crowd is expected for the supper and the game. Plates will be \$1.25 for adults and 75c for children.

Proceeds will be used for PTSA Service Projects, it was stated. "Enjoy a real good meal before the ball game," one member said.

TELL IT LIKE IT IS

WE PAID ALL LEGAL BILLS PRESENTED TO US DURING OUR TERM OF OFFICE. WE LEFT THE BUSINESS OF MADISON COUNTY TO OUR SUCCESSORS WITH ONE OF THE VERY LOWEST OUTSTANDING DEBTS IN THE ENTIRE STATE.

FOR THE LAST YEAR WE WERE IN OFFICE - 1963 - OUR TAX RATE WAS \$2.05 PER \$100.00 VALUATION. THE TOTAL VALUATION, REAL, PERSONAL AND EXCESS, WAS \$14,953,516.00 X \$2.05 EQUALS \$306,547.07. THIS \$306,547.07 WAS ADEQUATE TO MEET ALL OF MADISON COUNTY'S FINANCIAL OBLIGATIONS.

YOUR PRESENT BOARD OF COUNTY COMMISSIONERS HAVE A TOTAL VALUATION OF \$19,532,873.00.

THEY HAVE KEPT THE \$2.05 RATE AND \$2.05 X \$19,532,873.00 YIELDS A TAX LEVY OF \$400,423.89 OR \$94,076.82 MORE MONEY OUT OF TAXPAYERS' POCKETS AND MIND YOU NO INCREASE IN SALARIES. IF YOUR PRESENT COUNTY COMMISSIONERS HAD BEEN ABLE TO OPERATE OUR COUNTY ON THE SAME AMOUNT OF MONEY, THEN OUR TAX RATE FOR THIS YEAR WOULD HAVE BEEN ONLY \$1.56 PER \$100.00 VALUATION.

QUITE FRANKLY, WE REALIZE THAT OPERATING EXPENSES HAVE INCREASED, HOWEVER, \$94,076.82 IS AN INCREASE OF ALMOST 37% AND WE THINK THIS IS EXCESSIVE. NOTICE THIS IS \$94,076.82 FOR ONE YEAR - THE CALENDAR YEAR OF 1967, AS COMPARED TO OUR LAST YEAR IN OFFICE - 1963.

Your Last Democrat County Commissioners -- 1963