

Pests In Local Corn Crops

By Murray L. Goodwin
Agr. Ext. Agt.
High population of corn ear worms have been found in our area this year on corn. Thus, we can probably expect high population in the soybean and cotton fields. Also due to the apparent earliness of the third generation caterpillars in late planted soybeans.

Problems in spraying soybeans:
We continue to have a considerable yield loss to corn earworms. Problems associated with soybean yield loss are as follows:

1. Treating fields that do not need it.
2. Not treating fields that do need it.
3. Discovering high earworm populations when caterpillars are large and have done lots of damage (late detection).
4. Waiting too long to spray (unavailable custom applicator or other reasons).
5. Use of too low insecticide rate on high populations.
6. Poor aerial application (mainly in small fields and/or during very hot periods).

If small caterpillars are discovered you have 3-4 days period to get the insecticide on the soybeans and not have severe damage. However, if large caterpillars are found, spraying should be done as soon as possible to avoid the real damage.

The answer to the problem is check your fields often this time of year. You will get better control if you use ground equipment. Of course we assume that you are going to do a good job of applying the insecticide with ground equipment (cover the vines well). We also realize that for some fields the use of ground equipment is impractical where the vines are rank and fallen down.

Materials:

Recommended material are Sevin, Lamnate, Mudrin, or Orthene. Treat when earworm numbers exceed two per row foot as determined by scouting. Scout soybeans when

blooming 90 per cent completed; Be sure worms are present when treatment applied. Use high rates for severe infestation (above 8 worms per foot). Rates above 1.0 lb. a.i. Sevin or .36 lb. a.i. methomyl unnecessary with ground application. Use highest rates by air. Use 3 gallons water by air. Do not feed or graze hay when Orthene is used.

Watermelon variety:
We are harvesting our watermelon variety test. We think we have four new varieties that you might want to try on a small scale: Mirage, Madera, Sunshade and Dixie Lee. We will give a description of these varieties in future article including yield.

Lesser cornstalk borer:
Lesser Cornstalk Borer caused substantial injury to peanuts in Bertie County last year and some damage in Chowan County. This was because it was an extremely dry year and this is the time you have damage from Lesser cornstalk borer. Borer damage generally occurs to pegging plants and there are two broad types of damage. One is caused by the small larvae that feed in the vegetative buds and flower axils, on stems at the ground level, on leaves touching the soil, and on leafy debris under the plants. The second type of damage is caused by the larvae feeding on the pods and pegs and this is the most destructive damage. The larvae feed only a short time in the flower and then move to or below the soil surface to feed. The larvae often construct tubes of silken webbing, sand particles, and excrement.

A description of the larvae is the head slightly bilobed, flattened and dark brown. Body pale yellow to yellowish green, posterior portion of each segment bright red to reddish brown on dorsum. These areas are joined by faint stripes, some distance apart, of the same color giving the larva a longitudinally striped as well as transversely banded appearance.

You should start checking your fields now for Lesser Cornstalk Borer. Look for dead or wilting lateral branches on the peanut plant. When you see the

wilting lateral lift it up and look for the silken webbing (tags). Where the webbing is attached you will find a hole in the stem. Tear the stem open and there is a good chance you will find the borer or a hollowed out stem.

Following are the chemicals for control of Lesser Cornstalk Borer: Dyfonate 10G; Azordin 5 WM; Lorsban 4E and Lorsban 15G. Treat only when damage is seen.

Soybean Crop DNA Research

North Carolina's next generation of farmers may be growing superior high-yield soybean crops from plants cloned in recombinant DNA research at N. C. State University.
Dr. Jerome Miksche, head of the NCSU Department of Botany, says the research is directed at gaining greater quality and production, a more uniform fill of the seed pods and more uniform harvesting by either speeding or slowing the plants' aging process. The recombinant DNA research involves altering the plants' DNA - the life molecule which dictates the characteristics of all living things.

Miksche says that by studying the soybean DNA, more can be learned about how it influences the plants' production and aging processes. "We believe senescence (aging) is a normal developmental process programmed by genetics and we're interested in identifying DNA sequences which remain effective in the later stages of a plant's growth cycle," he explained.

Those sequences that are still regulating growth late in the soybean's cycle are considered by Miksche to be crucial to regulating seed production and to the aging process.

According to Miksche the first step has been to locate these genes which are among hundreds of thousands in the DNA.

"To do this we're using enzymes to cut up pieces of soybean DNA in older and younger plants and then joining them with plasmid DNA," he said.

He explained that plasmid DNA is a "small circle-like DNA fragment found in bacteria." The plasmid DNA containing the soybean DNA is then returned to the bacterium where it is reproduced, or cloned, many times.

"We make a lot of a given gene type," he said, "and then this is tagged with a radioactive isotope so that we can identify it."

The soybean DNA is then matched in soybean molecules, comparing younger and older DNA sequences.

"Like sequences of DNA always attract," Miksche explained. "When the cloned DNA, believed to effect the aging process, begins to match with sequences of soybean DNA, we'll have identified gene systems which could regulate the aging process in other soybean lines."

The research is basic, Miksche says. The recombinant DNA techniques used, can be used to transfer specific qualities from one plant to another. The transferred genes might serve to increase a given amount of a specific protein or oil - the two most important products for which soybeans are grown.

"This technique augments normal successful plant breeding programs," he added. "I see it as another tool for plant improvement."

Miksche's research is being supported by the U. S. Department of Agriculture Science and Education Administration.

"The transfer of DNA from one plant line to another will be a difficult task," he said, "but one that, if successful, could revolutionize present plant improvement methods."

Classifieds And Legals

Continued From Page 6-A

LEGAL NOTICE
Board of Chowan County Commissioners meeting, July 13, 1981: Dallas Jethro, Jr. reappointed County Tax Supervisor. E. L. Hollowell reappointed to the Medical Examiner's Authority. The County Manager and Water Department director authorized to retain Moore Gardner Associates to initiate work on expanding the water treatment capacities.

County manager noted: NCACC Annual Conference, August 13-16, 1981 in Winston-Salem. Joint meeting of the Chowan Hospital Board and the Board of Chowan County Commissioners, July 16, 1981 to discuss revenue bond proposal. Meeting July 21, 1981, Commercial fisherman.

Approved FY81 county budget adjustments necessary to handle encumbrances. Adopted Resolution of Acceptance of the Edenton-Chowan Municipal Airport Properties. Entered agreement with the Town of Edenton and Education: utilization of the N. C. National Guard Armory (Edenton Community Center).
Tom Watts, District Attorney, presented annual office expense report.

Anne K. Spruill
Clerk to the Board
Aug. 13, chg.

Notice Of Invitation To Submit Proposals For Two Cargo Vans Under Title III Of The Older Americans Act
Car dealerships are hereby invited to submit proposals for two one-half ton cargo vans to transport food for an elderly nutrition program. Proposal bid packages are available upon request at the Aging Office, Albemarle Regional Planning and Development Commission, P. O. Box 646, Hertford, North Carolina 27944. The telephone number is 426-5753.

Bids will be received until 2 o'clock P.M. on August 19, 1981, at the Aging Office of Albemarle Regional Planning and Development Commission, and then there publicly opened and read. The Albemarle Commission reserves the right to accept or reject any or all bids. ARPDC is an equal opportunity employer.

This the 10th day of August, 1981, Albemarle Regional Planning and Development Commission
Carlotha L. Jordan, Aging Program Administrator
P. O. Box 646
Hertford, North Carolina 27944
Aug. 13, 20, chg.

Notice Of Invitation To Submit Proposals For Kitchen Equipment Under Title III Of The Older Americans Act

Equipment manufacturers are hereby invited to submit proposals for a 60 quart mixer, a filling braising pan, a convection oven, a hot holding cabinet, and a set of platform scales to equip a kitchen in Plymouth, North Carolina. Proposal bid packages are available upon request at the Aging Office, Albemarle Regional Planning and Development Commission, P. O. Box 646, Hertford, North Carolina 27944. The telephone number is 426-5753.

Bids will be received until 2 o'clock P.M. on August 19, 1981, at the Aging Office of Albemarle Regional Planning and Development Commission, and then there publicly opened and read. The Albemarle Commission reserves the right to accept or reject any or all bids. ARPDC is an equal opportunity employer.

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Aug. 13, 20, chg.

File No. 81-5P-6 In The General Court Of Justice Superior Court Division Before The Clerk NOTICE OF SALE

NORTH CAROLINA CHOWAN COUNTY
Marguerite Ray (widow) and Mabel Roberts Drayton (widow); Plaintiffs

Antoinette Roberts (single); et al. Respondents
Under and by virtue of an order of sale of the Superior Court of Chowan County, North Carolina, made in the above entitled special proceeding, the undersigned Commissioners will at noon, on Friday, the 4th day of September, 1981, at the Courthouse door in Chowan County, Edenton, North Carolina, offer for sale to the highest bidder for cash that certain tract of land situate in Fourth Township, Chowan County, North Carolina and more particularly described as follows:

That tract of land in Yeopim Township beginning at the gate on the lane leading to Snow Hill farm, and running along said lane North 2 deg. West 14 chains, thence North 89 1/2 deg. East 9.8 chains to a branch, thence along the run of said branch to the run of a swamp, thence along the said run of said swamp Southwardly to the run of another branch, Snow Hill line, thence along said branch Snow Hill line North, 65 deg. West 16 1/2 chains, thence North 88 deg. West 3 1/4 chains to the point of beginning, containing 31 1/2 acres, more or less, and being the same land reserved and excepted in a deed to East Carolina Farm & Improvement Company dated November 27, 1905, and being the same property described in a deed from John G. Wood and wife to Besse M. Wood to Armstead Roberts dated January 1, 1906, and recorded in the Chowan County Register of Deeds Office.

The above described tract of land is also shown on map No. 7833 in the land records office for Chowan County, and being designated as Lot No. 8158 thereon, reference to which map is made for further description and location of the property.

There is to be excepted from this sale a residence on the property which is to be removed by the owner.

This sale will be made subject to 1981 Chowan County ad valorem taxes and the highest bidder shall be required to make a ten (10) per cent deposit of the bid with the

Court.
Dated and posted this 31st day of July, 1981.
Charles T. Busby, Commissioner
110 East Queen Street
P. O. Box 445
Edenton, N. C. 27932
Telephone: (919) 482-4441

C. Christopher Bean
South Broad Street
P. O. Box 74
Edenton, N. C. 27932
Telephone: (919) 482-4422
Aug. 13, 20, 27, Sept. 3, chg.

ADMINISTRATOR'S NOTICE
Having qualified as Administrator of the estate of John Hazel White, late of Chowan County, North Carolina, this is to notify all persons holding claims against the estate of said deceased to present them to the undersigned on or before the 14th day of February, 1982, or this notice will be pleaded in bar of any recovery thereon. All persons indebted to said estate will please make immediate payment.

This 7th day of August, 1981.
Susie E. White
Administratrix of
The Estate of
John Hazel White
Deceased
Aug. 13, 20, 27, Sept. 3, chg.

C.A.M.A. PERMIT NOTICE
Pursuant to N. C. G. S. 113A-119, The Town of Edenton, a locality authorized to issue C.A.M.A. permits in areas of environmental concern for Edenton and Chowan County, hereby gives notice that on July 31, 1981, W. E. Hampton applied for a permit to construct a bulkhead and pier on the West end of his lots: Lot 16 Section C and Lot 22 Section D Arrowhead Beach Subdivision. Persons desiring to inspect the application, to comment thereon, or to appeal the decision of the permit officer, are directed to contact the Local Permit Officer at the below address within seven (7) days of this notice.

Ralph E. Parrish,
CAMA Local Permit Officer
Edenton Municipal Building
Phone (919) 482-2155
Aug. 13, chg.

ADMINISTRATOR, C. T. A.'s NOTICE
Having qualified as Administrator, C. T. A. of the estate of Federal L. Taylor, late of Chowan County, North Carolina, this is to notify all persons holding claims against the estate of said deceased to present them to the undersigned on or before the 30th day of January, 1982, or this notice will be pleaded in bar of any recovery thereon. All persons indebted to said estate will please make immediate payment.

This 23rd day of July, 1981
W. T. Culpepper, III,
Administrator, C. T. A. of
The Estate of
Federal L. Taylor
Deceased
July 30, Aug. 6, 13, 20, chg.

EXECUTOR'S NOTICE
Having qualified as Executor of the estate of Dillman Lamar Figart, late of Chowan County, North Carolina, this is to notify all persons holding claims against the estate of said deceased to present them to the undersigned on or before the 30th day of January, 1982, or this notice will be pleaded in bar of any recovery thereon. All persons indebted to said estate will please make immediate payment.

This 23rd day of July, 1981.
Mrs. Kramer E. Figart
Executrix of
The Estate of
Dillman Lamar Figart
Deceased
July 30, Aug. 6, 13, 20, chg.

ADMINISTRATOR'S NOTICE
Having qualified as Administrator of the estate of Willie Earl Jones, Jr., late of Chowan County, North Carolina, this is to notify all persons holding claims against the estate of said deceased to present them to the undersigned on or before the 30th day of January, 1982, or this notice will be pleaded in bar of any recovery thereon. All persons indebted to said estate will please make immediate payment.

This 23rd day of July, 1981.
W. T. Culpepper, III
Administrator of

The Estate of Willie Earl Jones, Jr. Deceased
July 30, Aug. 6, 13, 20, chg.

PUBLIC NOTICE
On July 14, 1981, an application was tendered for filing with the Federal Communications Commission by Edenton Broadcasting Corporation requesting authority to construct a new Class A FM broadcast station on Channel 27.2 A in Edenton, North Carolina. The application seeks authority to broadcast on a frequency of 102.3 Mhz with an effective radiated power of 3 kilowatts. The station's studios, transmitter and 211 foot antenna would be located at the site of Radio Station WCDJ's existing studio and antenna site on Paradise Road.
Officers, directors and persons holding 10 per cent or more of Edenton Broadcasting Corporation's stock are Robert E. Lee, John W. Baggett, Jr., Isaac Ruffin Self, III, and Terry M. Williams. A copy of the application is available for public inspection at the studios of Radio Station WCDJ on Paradise Road in Edenton, North Carolina.
Aug. 6, 13, 20, chg.

FOR RENT - Old Colonial house, 8 rooms, and bath. Recently renovated. Located 2 miles from Edenton. Highway 17 north. Call 482-3344
July 30, 11c.

FOR RENT - 3 bd. home, 2 baths, in Morgan Park. Call after 8 P. M. 482-7158.
July 23, 11c.

FOR SALE
Cape Colony 3 choice adjoining lots, 139 ft front and 207 ft rear. Excellent investment and priced To Sell at \$4,300. Call 482-2825 after 6 P.M.
July 16, 23, 30, Aug. 6, 13, 20, chg.

J&L Tree Service
Free Estimates
JOHN WALKER
919/297-2507

Precious Collies by Major
SIRE DAM
Major Warlock of Eden AKC Reg. No. WD888126
Precious Lady of Eden AKC Reg. No. WE097868
Mr. and Mrs. David Jethro
Route 2, Box 140
Edenton, North Carolina 27932
Phone: (919) 482-3353

CLASSIC 1965 MUSTANG FOR SALE
Excellent, like new condition. Original mileage. 289 four-speed, CONVERTIBLE. \$5000. Call 919-851-5379.
tfn

FOR NEW HOME Construction or Remodeling and additions to your present home, call John Groff, Building contractor at 482-4576. Free Estimates.
June 19, 11c.

FOR SALE - 1974 Pinto Squire station wagon AC and 4 sp. Good cond. \$1200 or best offer. Call 482-7572 after 6 P.M.
Aug. 6, 13, chg.

FOR SALE - 1974 Vega, new tires, best offer. Call 482-3305 after 6 P.M.
Aug. 6, 13, chg.

FOR SALE - 1980 Ford Tr. F350 1 ton with welding body. AM FM 6 track stereo, CB radio, SA 200 AMP Lincoln welder. 200 ft. welding leads, 100 series Victor cutting outfit, 100 ft. torch hose. Price 10,000.00. Phone 482-4924.
Aug. 6, 13, 20, pd.

FOR SALE - 3 piece antique oak bedroom suite. Mattress and box springs included. Call 482-4861.
Aug. 6, 13, chg.

FARM FOR SALE - 42 acres, 15 cropland, on hard surface road 15 miles north of Edenton. \$55,000 or best reasonable offer. 221-4426.
Aug. 6, 11c.

HOUSE FOR RENT - Attractive well maintained 2 story, 3 bedroom, Colonial, near golf course with view of sound on large lot. Call 482-8909.
Aug. 6, 11c.

FOR SALE - 1978 Chevy Van camper. Like new condition. Call 221-8259.
Aug. 6, 13, pd.

Produce grower or fishermen, do you need boxes or pallets? We make to customer's specifications. Contact New Hope Box and Tie, P. O. Box 49, Durants Neck, N.C. 27930. Phone 264-2366 days, 264-2571 nights.

OK Sale
All OK used 4 - wheel drive
Now On Sale
and ready to go
GEORGE CHEVROLET
N. Broad St. Edenton, NC
919/482-2138

Belk Tyler downtown edenton
Saturday, August 22
ONE DAY ONLY! SHOP EARLY AND SAVE!
Ms. Hill Stancil, one of North Carolina's most professional monogrammers will personally monogram your garment purchases.
Get Your Back To School Items Ready.
SAVE UP TO 50% ON OUR MONOGRAMS
3 Letters for 2.00
On Saturday, August 22, Ms. Hill Stancil, one of North Carolina's most professional monogrammers, will personally monogram your garment purchases with three letters for only 2.00. She will monogram men's shirts, all weather coats, jackets, sweaters, pajamas, ladies' tops, girls' wear and boys' wear. Her work is unsurpassed and we know you'll be pleased too! And it's an opportunity to save also! Come early and avoid the rush and save up to 50 per cent on three letters of monogramming!
Shop Monday Through Thursday 9:30 A.M. Until 5:30 P.M., Friday 9:30 A.M. Until 9 P.M., Saturday 9:30 A.M. Until 6 P.M. Phone 482-3221 Or 482-4533.

August CLEARANCE SALE
1/3 to 1/2 OFF
On All Summer Merchandise
Tarkington's

Jerome H. Goldschmidt, M.D. OPHTHALMOLOGIST
Announces the relocation of his practice of Ophthalmology effective August 3, 1981.
Practice limited to:
Medical and Surgical diseases of the Eye, routine eye examinations and contact lenses.
By appointment only: (919) 335-2013 (UNLESS EMERGENCY)
TEMPORARY LOCATION: August 5, 1981
Edgewood Shopping Center
1403 Parkview Drive
Elizabeth City, N.C. 27909
PERMANENT LOCATION: January 1, 1982
Rich Professional Center
1146 N. Road Street
Elizabeth City, N.C. 27909
For Appointment At Either Office, Call 335-2013

"Good manners are better than good birth."
Moroccan Proverb