

Around The County Farms

By Gerald A. Carlson
Guest Writer
Integrated Pest Management:

Comparisons between users and non-users on commercial farms make it possible to isolate the effect of IPM on pest control costs, yields and net returns. Such comparisons can be made for a given period or over time for a given set of IPM adopters. The examples below are necessarily brief and only serve to illustrate some of the evaluation features. More detailed evaluations are available from the authors.

IPM In Coastal Plains Crops:

In 1979 and 1980, 17 farms with about 5,500 acres of corn, soybeans and peanuts kept complete records for evaluation of IPM. Eleven of the farms received IPM services while six others did not and served as a control group. An effort was made to select farmers who were representative of the area. The control group farmers were selected to be similar to the IPM cooperators. To simplify comparisons, standardized practices were the initiation of weed, disease, nematode, insect and soil fertility monitoring on the IPM farms. Monitoring was intended to improve selection, timing and decisions to use pesticides and fertilizer. Pest control recommendations were also given.

A Coastal Plains Commission grant and Extension Service support helped initiate the program. The intention was that the program would become privately operated after two years. A cooperative business organization was formed to provide the services and the Extension Service kept business records. The control group received only business record service.

Table 1 shows some of the two-year average economic figures for the two comparison groups. For each of the three crops, the per acre pesticide use expenditures

were lower (about 25 percent less) for the IPM farmers. The IPM growers had a lower percentage of all crops treated with nematicides and applied less fungicides on peanuts. The IPM group expended slightly more per acre for herbicides. Other variable costs were similar between the comparison groups, though seeding rates and fertilization rates differed somewhat.

The IPM farm yields and net returns were higher for soybeans and corn, but lower for peanuts. However, part of these differences may be due to factors that could not be controlled in the evaluation period. To adjust for this, production history on these farmers was evaluated to determine whether the observed pesticide use and yield differences in the groups were related to the new IPM practices or to basic productivity, managerial, and operating differences between the two groups.

Peanut yields in a five-year period (ASCS records) prior to the IPM program were about 332 pounds higher for the control group but only 296 pounds higher during the IPM study period.

Corn yields were about 3.4 bushels per acre higher for the IPM group for this prior period (ASCS established yield records). With these yield adjustments, assuming equal pre-IPM variable costs, and equal soybean yields, it appears that the IPM practices increased yields, reduced pesticide use and increased net returns for each of the three crops.

Using average 1979-80 prices, gross gains per acre to IPM were \$54 for soybeans (\$153 minus \$99), \$49 for corn (\$180 minus \$131), and \$37 for peanuts (\$358 minus \$321).

Extra monitoring and advisory costs of the program should be deducted from these gains. This example illustrates the importance of collecting

pre-IPM yield and cost data to verify the comparability of control farms.

These data is based on Integrated Pest Management Scouting Program operated in Chowan, Perquimans and Pasquotank counties 1979 and 1980.

Engagement Is Announced

Continued From Page 3-A
Department of Mathematics. She is currently employed as a software specialist at Burroughs Wellcome Company in Greenville.

Mr. Small is a graduate of John A. Holmes High School and is a part-time employee of Parker-Evans Hardware. He also farms with his father.

The wedding is planned for November 22 at 3 P. M. at the First Baptist Church in Farmville.

The Edenton Society News

Continued From Page 3-A

Hatteras; Mr. and Mrs. Tim Midgett, Hatteras; Miss Marilyn Austin, Raleigh; Mr. and Mrs. Walter Baum, Mr. John Barnett, Mr. Wayne Barnett, Wanchese, N. C.; Mr. and Mrs. Louis Dickerson, Wilmington, N. C.; Mr. Tom Cross, Raleigh; Dr. Jim Brown, Burlington; Mr. and Mrs. Reggie Griffin, New Bern; Mr. Weldon Lloyd, Henderson, Mr. Jim Capella, Richmond; Mr. Mike Covington, Greenville; Miss Marvena Corbett and Mrs. Ginna Birch, Raleigh; Mr. and Mrs. Larry Foster, Roanoke, Va. and Mr. Curtis Leary, Raleigh; Mr. Trent Ragland and Miss Ann West, Raleigh; Mr. Brian Twiddy, Nags Head; Mr. Jim Partin, Raleigh; Mr. and Mrs. Bill Yates, Apex; Mrs. Steve Kimmel, Greensboro and Mrs. Iris Brown of Eden.

Mr. and Mrs. Oliver Banks of Raleigh were guests of Mrs. J. W. White last weekend.



RECEIVES QUILT AS GIFT — Mrs. Hazel Elliott, director of Social Services Department, recently received this quilt from fellow staff members. Each of the 30 squares was made by staff members at Social Services, and was put together by the Advance Quilters' Sew-Ciety. The project was started last January.

Harless Announces New Program

A. B. Harless, Jr. from Chowan County, board member of the American Lung Association of North Carolina, Eastern Region, has announced that the association held a coffee recently at the Governor's Mansion for the kick-off of a new Lung Association program called "Superstuff".

Greeting guests were Mrs. James Hunt, wife of

the governor; Dr. Sarah Morrow, Secretary of the North Carolina Department of Human Resources; and W. Herbert Hollowell, Jr., of Edenton, president of the American Lung Association of North Carolina.

Also attending the reception was five-year-old Casey Weisenberger and her parents, Mr. and Mrs. Bob Weisenberger of Greenville. Casey is serving

as the 1981 Christmas Seal Representative of the Eastern Region of the American Lung Association and will aid the organization in promoting the new "Superstuff" program as well as the Christmas Seal Campaign during the coming months. Casey has been treated for asthma since she was six weeks old.

"Superstuff", developed by the American Lung Association, is a new self-help program for children with asthma and their parents. It consists of a package of educational materials, carefully prepared and tested. The package includes a colorful spiral bound 86-page book for children packed with games, riddles, puzzles, cut-outs, stories and many other enticing child appealing sections.



Scholl Air-Pillo Insoles

McGruff Makes Appearance

McGruff, a six foot, floppy-eared, crime-biting crusader who is well on his way to becoming the national symbol for crime prevention has been assigned to "take a bite out of crime" in North Carolina.

Gov. Jim Hunt said, "I am proud to announce that McGruff has been assigned to full-time duties with our Crime Prevention Division. I am confident that he will be a valuable member of our crime prevention team."

McGruff is scheduled to make his appearance in Edenton as the guest of Chowan County Sheriff's

Department.

McGruff will have appeared Tuesday and Wednesday at Chowan County Fairgrounds. The Crime Prevention Educational Exhibit van was also displayed.

The Crime Prevention Division of the N. C. Department of Crime Control and Public Safety joins with the Chowan County Sheriff's Department in presenting McGruff, and encourages all Edenton residents to do their part to "take a bite out of crime."

Come Check The Crisp Fall Savings ...
At Your Nearest Locally Owned Mutual Store
Seasons May Change But Our Prices Stay As Low As Possible So We Can Save You Money

6 PIECE MIXING TOOL SET \$3.44	WOODEN HOUSE BANK INCLUDES 2 KEYS \$2.67	Tiffany-Style TRIVETS \$1.09	Grater 'N Bowl \$1.37	Welch's GRAPE JELLY 32-OZ. \$1.19	FISHER DRY ROASTED PEANUTS 16-OZ. \$1.88	TIMEX® CLOCK COMPANY ELECTRIC ALARM CLOCK Model 7289-002 Easy-to-read black numerals with sweep second hand COMPARE AT 6.95 \$3.97	SUZETTE OVERNIGHT CASE WASHABLE COMPARE AT 10.95 \$5.88
ST. JOSEPH ASPIRIN FOR CHILDREN 36's COMPARE AT 83¢ 47¢	Aspergum for sore throat pain 15's COMPARE AT 1.39 86¢	POLIDENT 15's 40 TABLETS \$1.19	Colgate Toothpaste 7-OZ. \$1.19	Fluorigard Dental Rinse 10-OZ. \$1.57	Ultra Brite Toothpaste 6-OZ. \$1.29	GERITOL HIGH POTENCY VITAMIN SUPPLEMENT 12-OZ. LIQUID 40 TABLETS \$2.99 EACH	SCOTCH BRAND POST-IT NOTE PADS 3"x5"-50 SHEETS 49¢
MYOFLEX® Odorless, non burning temporary relief of sore muscles and joints #1 Recommended external analgesic by pharmacists 2-OZ. \$2.19	VISINE A.C. EYE DROPS 1/2-OZ. \$1.46	NEW Mink DIFFERENCE AEROSOL OR NON-AEROSOL 20's \$1.77 EA.	ONCE-A-DAY DIETAC™ MAXIMUM STRENGTH DIET AID CAPSULES 20's COMPARE AT 4.25 \$2.49	NEW Twice-A-Day DIETAC™ MAXIMUM STRENGTH DIET AID CAPSULES 24's COMPARE AT 3.69 \$2.17	MENNEN SKIN BRACER 4-OZ. \$1.29	DURATION NASAL SPRAY 1/2-OZ. COMPARE AT 2.59 \$1.57	Sudafed 30 mg 100 TABLETS COMPARE AT 6.80 \$3.77
MUTUAL VITAMIN C 500 mg 100's \$1.59	MUTUAL VITAMIN E 400 I.U. 100's \$3.99	ALPHA KERI BATH OIL 8-OZ. \$3.49 EACH	KERI LOTION REGULAR • SCENTED • LIGHT 6.5-OZ. \$2.27 EACH	Softsoap™ LIQUID SOAP • BROWN • GOLD • WHITE 10.5-OZ. EACH \$1.29	Triaminic® Expectorant Relief of dry, hacking cough and stuffy nose 4-OZ. COMPARE AT 3.75 \$2.09	Triaminic® Syrup Relief of runny, stuffy nose and postnasal drip 4-OZ. COMPARE AT 3.37 \$1.88	Triaminic-DM™ Cough Formula Relief of annoying cough and stuffy nose 4-OZ. \$1.88
3 TIER WIRE MESH HANGING BASKET \$2.99	Leisure Lamp For Outdoor or In Your Use • Camping • Boating • Emergency Includes E-antenna, 110V daily 6 volt battery \$6.66	COCA-COLA TAB OR SPRITE 2 LITER BOTTLES \$1.09 EACH	GYRO JEEP GYRO ACTION MOTOR \$1.99	KLEER-VU AMERICAN FAMILY PHOTO ALBUM 100 PAGES \$7.99			

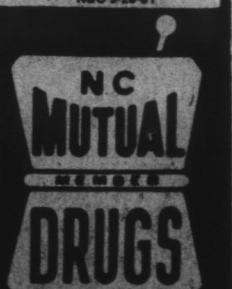
PRICES IN THIS AD EFFECTIVE Thursday, Sept. 24, 1981 THROUGH SATURDAY, OCTOBER 3, 1981

BEN-GAY ALL FORMS 114-OZ. \$1.19

Individual Mutual stores reserve the right to limit quantities on all items in this ad. Circumstances might prevent all stores from being able to re-order certain advertised specials.

MUTUAL—Because Your Family's Good Health is Our Business

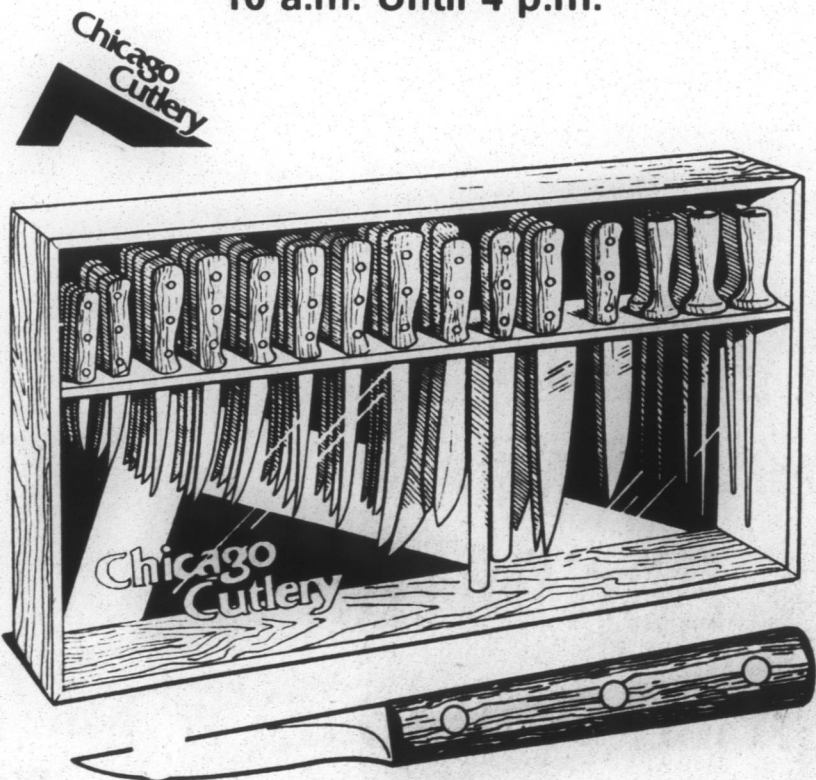
MITCHENER'S PHARMACY
&
HOLLOWELL-BLOUNT REXALL



Belk Tyler
downtown edenton

Belk Tyler Proudly Welcomes
the Chicago Cutlery Knife
Sharpening Clinic! Have Your
Own Dull Knives Sharpened FREE!

Tomorrow, September 25,
10 a.m. Until 4 p.m.



Let an expert factory representative put a real professional edge on your knives! Representative of Chicago Cutlery, Mrs. Nancy Whitehurst, will be at Belk Tyler tomorrow to introduce and demonstrate the famous Chicago Cutlery Line. Come and see!

For an extra bonus, she will offer a 3" parer/boner knife, excellent for cutting, slicing and peeling, for only 4.88; regularly 6.00.

Limit 4 Knives Sharpened Per Customer, Please!

Shop Monday Through Thursday 9:30 A.M. Until 5:30 P.M., Friday 9:30 A.M. Until 5 P.M., Saturday 9:30 A.M. Until 6 P.M. Phone 482-3221 Or 482-4533.