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W. M. Levit, Extension, Weed Science
J. W. Schrader, Research, Weed Science
J. B. Weber, Research, Herbicide-Soil Relationships
A. D. Worsham, Research, Weed Science

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J. C. Wells, Extension, Field Crops

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D. W. Eaddy, Research, Soil Science and Soil Testing Division, N. C. Department of Agriculture
J. S. Barnes, Research-Extension
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DEPARTMENT OF ZOOLOGY
D. T. Harke, Wildlife Services, U. S. Fish and Wildlife Service
T. L. Quay, Research, Ecological and Behavioral Ornithology

PURPOSE OF THIS SCHOOL
To review research data, recommendations and problems in the fields of pesticides, fertilizer and application equipment with:
- Manufacturers, Formulators
- Dealers, Salesmen
- Professional Agricultural Workers
- Farm Managers

REGISTRATION
Registration will be held in the lobby of the Sir Walter Hotel, Monday January 11, from 8:15 to 10:00 a.m. The registration fee is $8.00 per person - to include a copy of the manual.

AGRICULTURAL CHEMICALS MANUAL
Printed in connection with the school and furnished to each registrant is a copy of the North Carolina Agricultural Chemicals manual.

This manual includes recommendations on the control of insects, weeds, plant diseases, rodents, and sections on fertilizer and application equipment. Additional copies are available. See order blank.

HOTEL RESERVATIONS
Make your hotel reservations early. A block of rooms has been reserved at the Sir Walter Hotel, 400 Fayetteville Street. Telephone 832-7711. Other hotels are: Carolina, Park Central and Milner and Andrew Johnson. There are several motels within a reasonable distance. If you have difficulty getting reservations, please contact M. E. Starnes, Phone 755-2261, Division of Continuing Education, North Carolina State University.

PARKING
Parking for overnight guest at the Sir Walter is furnished free at the Sir Park Deck. Several parking lots are in the vicinity.
PROGRAM 1971 AGRICULTURAL CHEMICALS SCHOOL

MONDAY MORNING, JANUARY 11, 1971
8:15 Registration — Lobby, Hotel Sir Walter

GENERAL SESSION
Presiding — T. J. Sheets
10:00 Address of Welcome — E. W. Glazeener, Acting Dean
10:00 Responsible Use of Agricultural Chemicals
J. T. Conner, Director, Congressional Affairs, National Agricultural Chemicals Association
10:50 Responsibilities of NCSU in Pesticide Recommendations — T. C. Bledow, Assistant Director of Agricultural Extension Service

WEED SCIENCE
Presiding — A. A. Basadyga
11:05 Weed Control in Cotton, Peanuts, and Soybeans
Research — J. W. Schrader
11:30 Weed Control in Corn and Tobacco — H. D. Coble

MONDAY AFTERNOON, JANUARY 11, 1971
WEED SCIENCE
Presiding — A. D. Worsham
1:45 Weed Control for No-Tillage — W. M. Lewis
1:55 Effect of Liming on Triazine Activity — J. B. Weber
2:00 Solvent Interactions — F. T. Corbin
2:15 Weed Control in Horticultural Crops
Research — T. J. Monaco

GROWTH REGULATORS
Presiding — C. W. Donoho
2:35 Chemical Sucker Control in Tobacco — W. K. Collins
2:45 Growth Regulators on Tree Fruits — C. R. Unrath
2:55 Growth Regulators on Ornamentals — J. W. Love
3:05 Recess

PLANT PATHOLOGY
Presiding — C. N. Clayton
3:35 Peanut, Corn, Soybean, and Cotton
Disease Control — J. C. Wells
3:50 Tomato Diseases — H. E. Duncan, J. C. Wells
4:05 Potato Seedpiece Decay — L. W. Nielsen
4:15 Pepper Leaf Spot — C. W. Averre
4:25 Tobacco Diseases — L. T. Lucas
4:45 Changes in Disease Control Recommendations — F. A. Todd
4:55 Adjourn

TUESDAY MORNING, JANUARY 12, 1971

GENERAL SESSION
Presiding — K. L. Knight
8:45 Findings of the Pesticide Subcommittee of the Legislative Research Commission and Its Recommendations to the North Carolina General Assembly — The Honorable Elton Edwards, Senator, The North Carolina General Assembly
9:25 Selecting and Maintaining Application Equipment — J. W. Glover
9:45 Problems in Bird Control — T. L. Quay, D. T. Harke
10:00 Proposed Changes in the Agricultural Chemicals Manual — G. T. Weekman
10:05 Recess

ENTOMOLOGY
Presiding — G. T. Weekman
10:20 Field and Laboratory Testing of Orchard Acaricides — G. C. Rock
10:35 Effect of Insecticides on Maturity of Cotton — J. R. Bradley
11:05 Peach Insects and Mites — C. F. Smith
11:20 Control of Livestock Insects — J. M. Faller
11:30 Movement of Certain Pesticides in Surface Water — T. J. Sheets
11:40 Tobacco Insect Control — W. J. Momic
11:55 Alfalfa Weevil Control — W. V. Campbell
12:10 Adjourn

TUESDAY AFTERNOON, JANUARY 12, 1971

SOIL FERTILITY
Presiding — J. V. Baird
1:45 Changes in North Carolina Agriculture in the ’70’s That May Affect Fertilizer Sales — C. R. Pugh
2:15 The Role of the Banker in Support of the Fertilizer Salesman, Norfleet Sugg, Planters National Bank & Trust Co., Rocky Mount, North Carolina
2:45 Soil Testing — A Safeguard to Quality Environment — D. W. Eaddy
3:05 Recess
3:40 Fertilizer and Water Movement in Deep Sands under Tobacco Culture — D. L. Terry
4:00 Fate of 200 Pounds Per Acre of Nitrogen on a Coastal Plain Corn Field — J. W. Gilliam
4:20 Concepts of Future Agronomic Research — C. B. McCants
4:50 Adjourn

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Carolina Chemical
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411 E. Marlton Pike
Kerr McGee Chem. Corp.
Smith-Douglass
P. O. Box 17612
American Cyanamid Co.
Kaiser Agri. Chemical
P. O. Box 274
Planters Chemical Co.
813 Allen Ave. #13
FCX
Helena Chemical Co.
P. O. Box 977
Planters Chem. Co.
Kaiser Ag. Chemical Co.
Dragon Chem. Corp.
P. O. Box 2311

Tarboro, N. C. 27886
Memphis, Tenn. 38101
Clarkton, N. C. 28433
Whiteville, N. C. 28472
West Jefferson, N. C. 28694
Clarkton, N. C. 28433
Roanoke, Va. 24000
Statesville, N. C. 28677
West Columbia, S. C. 29169
Albemarle, N. C. 28001
Raleigh, N. C. 27607
Fuquay-Varina, N. C. 27526
Raleigh, N. C. 27603
Elizabeth City, N. C. 27909
Teachey, N. C. 28464
Lumberton, N. C. 28358
Severn, N. C. 27877
Charlotte, N. C. 28210
Wilson, N. C. 27893
Cherry Hill, N. J. 08034
New Bern, N. C. 28560
Raleigh, N. C. 27609
Fremont, N. C. 27830
Elizabeth City, N. C. 27909
Roanoke Rapids, N. C. 27870
Jacksonville, N. C. 28540
West Columbia, S. C. 29169
Wilson, N. C. 27893
Wilson, N. C. 27893
Roanoke, Va. 24019
Frank Grainger
J. W. Grant
David Griffin
Johnny G. Griffin
W. S. Grimes
Herman Gunther, III
Gene Haddock
D. W. Haithcock
Riley Hamilton
Lyman Hardy
Dennis Harrell
Melvin Harrell
Fred F. Harrill
Charles A. Harvey
E. R. Hatton
Henry C. Hayes
Larry D. Hayes
Mike Haywood
Boyce H. Helms
D. E. Henderson
Dr. R. A. Herrett
Hilton Herring
Otha Herring
Dorsey Hester
F. Eugene Hester
James M. Hill
W. H. Hobbs
Harold L. Holloman
J. A. Horney
Lewis Howe
J. Edward Howell, Jr.

Procter & Gamble
Smith-Douglass
P. O. Box 386
P. O. Box B
First Union National Bank
401 B. Elizabeth St.
Route 1, Box 432
Roanoke Farmers Exchange
Dow Chemical Co.
1313 NCNB Building
American Cyanamid Co.
P. O. Box 477
FCX
FCX
Dixie Chemical Corp.
P. O. Box 667
Kaiser Agri. Chemicals
Box 55
Kaiser Agr. Chemical
W. R. Grace & Co.
Route 4
Smith-Douglass
Box 1215
Meherrin Chem. Co.
First Union National Bank
P. O. Box 860
Daly-Herring Co.
CCF
Box 1452
FCX
E-Z-Flo Co.
1711 Church St.
ICI America
151 South Street
Planters Chemical Co.
P. O. Box 369
Daly-Herring Co.
P. O. Box 428
Southeastern Steel Container
256 Peters St., S.W.
USDI Bureau of Sport Fish.
and Wildlife, Box 5577
I.M.C.
3619 Baugh Street
P. O. Box 40
FCX
Daly-Herring Co.
Box 6582
Geigy Agr. Chem.
Saw Mill River Road
Aerial Agr. Specialists
Route 3, Box 121

Cary, N. C. 27511
Henderson, N. C. 27536
Clinton, N. C. 28328
Williamston, N. C. 27892
Plymouth, N. C. 27962
Charlotte, N. C. 28202
Ayden, N. C. 28513
Troy, N. C. 27371
Mebane, N. C. 27302
New Bern, N. C. 28560
Saratoga, N. C. 27873
Emporia, Va. 23847
Shelby, N. C. 28150
Wilson, N. C. 27893
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Dillon, S. C. 29536
Durham, N. C. 27702
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Scotland Neck, N. C. 27874
Stamford, Conn. 06904
Whiteville, N. C. 28472
Kinston, N. C. 28501
Kinston, N. C. 28501
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Raleigh, N. C. 27604
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Belhaven, N. C. 27810
Greensboro, N. C. 27405
Ardsley, N. Y. 10502
Franklin, Va. 23851
Sterling L. Howell
Edgar M. Huggins
Steve Hunter
Rex Idol
M. L. Ivester
Dennis G. Jackson
Reuben Earl James
Stuart G. Jensen
Larry B. Johnson
Pete Johnson
Gail D. Jones
Ruel W. Jones
E. Denon Jordan
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Wilbur F. July
Charles Keeter
Charles M. Keller
G. H. Kemp, Jr.
James King
C. J. Kish
Harold Knobel
Earl Langdon
Ralph S. Lanier
Sam R. Lathan
Louie B. Lawrimore
L. G. Lawson, Jr.
Clyde Layden
J. R. Lee
Garland L. Lemmons
James W. Lewis

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P. O. Box 368
Southern Agr. Chemicals
P. O. Box 527
Dow Chemical Co.
200 S. Tryon St.
Farmers Feed & Seed Store
American Cyanamid Co.
P. O. Box 217
FCX, Inc.
James Brothers
Route 4
Kaiser
1948 Bacon Park Drive
Central Carolina Farmers
Box 493
Niagara Chemical Div.
Niagara Chemical Division
Box 247
Royster Co.
P. O. Box 508
Sou. Agr. Chem., Inc.
Dnowen 527
Kaiser Agri. Chemicals
3365 Silverton Ave.
FCX
Niagara Chemical Div.
P. O. Box 746
Kerr McGee Chem. Corp.
201 Woodlawn Ave.
W. R. Grace & Co.
2250 Dallerton Cr.
Fairmount Chemical Co., Inc.
117 Blanchard St.
Rhodia Chipman Div.
Box 20872
Elanco Products Co.
412 Pinecroft Drive
Borden/Smith-Douglass
Box 1031
Aeriel Agr. Specialists
Route 2, Box 145
Lawrimore Fert. Co.
P. O. Box 3-9-9
Kaiser Agri. Chem.
Leary Brothers Co.
Procter & Gamble
728 Crestwood Drive
Smith-Douglass
P. O. Box 1215
Niagara Chemical
Route 1, Box 3B

Wilmington, N. C. 28401
Kingstree, S. C. 29556
Charlotte, N. C. 28202
Kernersville, N. C. 27284
Cherryville, N. C. 28021
Raleigh, N. C. 27607
Elizabeth City, N. C. 27909
Savannah, Ga. 31406
Siler City, N. C. 27344
Harrells, N. C. 28444
Ayden, N. C. 28513
Mt. Olive, N. C. 28365
Kingstree, S. C. 29556
Nashville, N. C. 27856
Wantach, N. Y. 11793
Liberty, N. C. 27298
Lake City, S. C. 29560
York, S. C. 29745
Charleston, S. C. 29407
Newark, N. J. 07105
Atlanta, Ga. 30320
Raleigh, N. C. 27609
Sanford, N. C. 27330
Franklin, Va. 23851
Hemingway, S. C. 29554
Fair Bluff, N. C. 28439
Edenton, N. C. 27932
Garner, N. C. 27529
Wilson, N. C. 27893
Wahileyville, Va. 23485
<table>
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<tr>
<th>Name</th>
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<th>City, State, Zip</th>
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<tr>
<td>Evans Locke</td>
<td>Contentnea Guano Co.</td>
<td>Wilson, N.C. 27893</td>
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<td>George E. Loftin</td>
<td>FCX, Inc.</td>
<td>Kinston, N.C. 28501</td>
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<td>O. C. Long, Jr.</td>
<td>1408 Richlands Road Leary Brothers Stg. Co.</td>
<td>Edenton, N.C. 27932</td>
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<tr>
<td>Tom Lytle</td>
<td>Shell Chemical Co.</td>
<td>Raleigh, N.C. 27609</td>
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<tr>
<td>Wayne McBride</td>
<td>116 Colvin Road W. R. Grace &amp; Co. Route 4</td>
<td>Taylorsville, N.C. 28681</td>
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<tr>
<td>Howard B. McCall</td>
<td>Package Supply &amp; Equip. 101 Lawton Road</td>
<td>Charlotte, N.C. 28208</td>
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<td>Don McClanahan</td>
<td>Procter &amp; Gamble P. 0. Box 599</td>
<td>Cincinnati, Ohio 45201</td>
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<td>Hobson McGuiloch</td>
<td>E. J. Cox, Co. Shell Chemical Co. 4208 Six Forks Road</td>
<td>Clarkton, N.C. 28433</td>
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<tr>
<td>Ken McCutcheon</td>
<td>Kaiser Ag. Chemicals Route 5</td>
<td>Raleigh, N.C. 27609</td>
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<td>G. A. McIntyre, Jr.</td>
<td>Farm Chemical Inc. P. 0. Box 667</td>
<td>Marion, S.C. 29571</td>
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<td>Curtis McLamb</td>
<td>Kaiser Agri. Chemicals P. 0. Box 251</td>
<td>Dunn, N.C. 28334</td>
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<td>Rick McMillan</td>
<td>Cyanamid Box 144</td>
<td>Raeford, N.C. 28376</td>
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<td>Sam Manning</td>
<td>Kerr-McGee Building</td>
<td>Enfield, N.C. 27823</td>
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<td>E. D. Marvin, Jr.</td>
<td>Kerr-McGee Chem. Corp. 1130 Knollwood Drive</td>
<td>Oklahoma City, Okla. 73102</td>
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<td>Francis E. Mason</td>
<td>American Cyanamid Co. Box 427</td>
<td>Wilson, N.C. 27893</td>
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<tr>
<td>Mickey Matthews</td>
<td>E-Z-Flo Chemical Co. Route 1, Box 71</td>
<td>Benson, N.C. 27504</td>
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<tr>
<td>W. Glenn Maxwell</td>
<td>W. R. Grace &amp; Co. P. 0. Box 357</td>
<td>Aberdeen, N.C. 28315</td>
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<tr>
<td>C. K. Medlin</td>
<td>Planters Chemical Co. P. 0. Box 604</td>
<td>Cary, N.C. 27511</td>
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<td>R. D. Meiggs</td>
<td>Kaiser Agri. Chemicals P. 0. Box 869</td>
<td>Williamson, N.C. 27892</td>
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<td>Jack Melvin</td>
<td>Planter Chemical Co. P. 0. Box 160</td>
<td>Dunn, N.C. 28334</td>
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<tr>
<td>Ray Mercer</td>
<td>Kaiser Agri. Chemicals Branch Street</td>
<td>Rocky Mount, N.C. 27801</td>
</tr>
<tr>
<td>Legrand Miles</td>
<td>Kaiser Agri. Chemicals P. 0. Box 1649</td>
<td>Rocky Mount, N.C. 27801</td>
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<td>Paul Mills</td>
<td>Cape Fear Chemical Co. P. 0. Box 695</td>
<td>Elizabethtown, N.C. 28337</td>
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<td>Emil A. Moherek</td>
<td>Chevron Chemical Co. P. 0. Box 160</td>
<td>Ocoee, Florida 32761</td>
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<tr>
<td>Richard S. Monds</td>
<td>Starr Company, Inc. 262 East Bank St.</td>
<td>Petersburg, Va. 23803</td>
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</table>
Wayne L. Moreland
Charles M. Morris
Joe Moss
Keith Mouzon
A. G. Moxley
Maurice Mullen
Allen Murphy
Merle D. Nall
Bill Nelson
Clay Nelson
Austin S. Newcombe
L. D. Newton
Lynwood F. Norris
W. B. Norris
L. R. Nunn
Ken W. Odom
David Oliver
Don Oliver
Burke Overby
J. E. Parker
Ray Parker
John L. Parks
Gene Parr
Frank D. Pate
Melzar Pearsall, Jr.
Stanley C. Peele
John T. Perkins
Dale Perry

Thompson-Hayward
P. O. Box 26494
Woodbury Chem. Co.
408 Blue Lake Terrace
First Union National Bank
240 Fayetteville St.
P. O. Box 53
W. R. Grace & Co.
Route 2, Box 190
Smith-Douglass
P. O. Box 419
Monsanto Co.
5128 Norman Place
American Cyanamid
P. O. Box 1016
FCX
Planters Chemical Co.
3111 Va. Beach Blvd.
W. R. Grace & Co.
Route 1
American Cyanamid
Box 305
Meherrin Chem. Co.
2428 Derby Drive
W. R. Grace & Co.
Box 688
W. R. Grace & Co.
Box 68
Dixie Chemical Corp.
P. O. Box 667
Secrest Feed & Seed
P. O. Box 547
I.M.C.
Route 4
Tuco- the Upjohn Co.
303 N. Bynum St.
Swift Agr. Chemical Corp.
P. O. Box 947
Pearsall & Company
P. O. Box 3352
W. R. Pearsall Co., Inc.
P. O. Box 275
FCX, Inc.
2913 Poplar Circle
FCX
P. O. Box 5476

Charlotte, N. C. 28213
Deland, Fla. 32720
Raleigh, N. C. 27602
Kingstree, S. C. 29556
Boo[nville, N. C. 27011
Zebulon, N. C. 27597
Norfolk, Va. 23451
Raleigh, N. C. 27606
Spring Hope, N. C. 27882
Cincinnati, Ohio 45213
Wilson, N. C. 27893
High Point, N. C. 27200
Norfolk, Va. 23451
Olin, N. C. 28660
Calypso, N. C. 28325
Severn, N. C. 27877
Raleigh, N. C. 27610
Mt. Gilead, N. C. 27306
Raleigh, N. C. 27602
New Bern, N. C. 28560
Monroe, N. C. 28110
Henderson, N. C. 27536
Wilson, N. C. 27893
Goldsboro, N. C. 27530
Wilmington, N. C. 28401
Clayton, N. C. 27520
Shelby, N. C. 28150
Statesville, N. C. 28677
Wayne W. Phillips
M. M. Pickett
Dallas Pigate
Bill Pittard
James W. Pedman
Nelson Porter
Sidney M. Posey
A. T. Pospichal
C. H. Price
Jerry T. Puckett
Hilton Quinn
Floyd Ragsdale
Eldon S. Ratcliffe
Hugh Reason
J. H. Reece
Chuck Reed
Charles N. Register
Van W. Respess
H. S. Reynolds
C. E. Richgels
Campbell Ridley
Ken Ritchie
Tom Ritchie
Gary B. Rogers
John R. Rogers, Jr.
Pete Rogers
Benny Rogerson
Jimmy Joe Robinson
Ollen E. Rose, Jr.

Coastal Chem. Corp.
P. O. Box 856
Central Carolina Farmers
Box 1452
Kaiser Agri. Chem.
Union Carbide Corp.
421 Vick Ave.
Kaiser Agri. Chem.
P. O. Box 980
Amchem Products
305 Blaine Court
Stauffer Chem. Co.
Box 5388
Procter & Gamble
Box 1691
I.M.C.
P. O. Box 285
Niagara Chem.
Kaiser Agri. Chemicals
P. O. Box 188
3M Co.
Building 203, 3M Center
FCX, Inc.
Route 1
W. R. Grace & Co.
P. O. Box 38
Thompson-Hayward Chem. Co.
5200 Speaker Road
Dixie Chemical Corp.
P. O. Box 667
Kaiser Agri. Chemicals
P. O. Box 216
Wyatt & Crews, Inc.
P. O. Box 485
Smith-Douglass
Box 419
Monsanto
Box 4281
Kaiser Ag. Chemicals
3838 Sweetbriar Road
Hercules Incorporated
3217 Downes Grove Road
Elanco Products Co.
507 Norwood Ave.
Kerr-McGee Chem.
Route 2, Box 213
Coastal Chemicals
Uniroyal Chemical
Route 6, Box 382-J
Monsanto Co.
P. O. Box 1945
Pennwalt Corp.
Box 434

Greenville, N. C. 27834
Durham, N. C. 27702
Timmonsville, S. C. 29161
Raleigh, N. C. 27607
Wilson, N. C. 27893
Raleigh, N. C. 27609
Washington, N. C. 27889
Tampa, Florida 33600
Atlanta, Ga. 30301
Oxford, N. C. 27565
Ayden, N. C. 28513
Lillington, N. C. 27546
St. Paul, Minn. 55101
Newton Grove, N. C. 28366
Boonville, N. C. 27011
Kansas City, Kansas 66110
New Bern, N. C. 28560
Pantego, N. C. 27860
South Boston, Va. 24592
Norfolk, Va. 23501
Fayetteville, N. C. 28306
Wilmington, N. C. 28401
Columbia, S. C. 29209
Lumberton, N. C. 28358
Williamston, N. C. 27892
Williamston, N. C. 27892
Raleigh, N. C. 27609
Rocky Mount, N. C. 27801
Manning, S. C. 29102
<table>
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<tr>
<th>Name</th>
<th>Address</th>
<th>City, State, Zip</th>
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<tr>
<td>E. W. Rose</td>
<td>Dragon Chemical Co.</td>
<td>Richmond, Va. 23200</td>
</tr>
<tr>
<td>Paul G. Rumple</td>
<td>FCX</td>
<td>Lenoir, N. C. 28645</td>
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<tr>
<td>Nick Sanchez</td>
<td>Prentiss Drug &amp; Chem. 101 West 31st St.</td>
<td>New York, N. Y. 10001</td>
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<tr>
<td>Alex Saunders</td>
<td>Kaiser Agri. Chem. Box 1392</td>
<td>Whiteville, N. C. 28472</td>
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<tr>
<td>Jerry Sawyer</td>
<td>E. I. Dupont De Nemours 524 S. Beltline #2</td>
<td>Pinehurst, N. C. 28374</td>
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<tr>
<td>Richard P. Saylor</td>
<td>FCX</td>
<td>Columbia, S. C. 29205</td>
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<td>H. E. Scott</td>
<td>FCX</td>
<td>Burlington, N. C. 27215</td>
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<td>Gales Scroggs</td>
<td>Dixie Chemical Corp. P. O. Box 667</td>
<td>Boone, N. C. 28607</td>
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<td>G. F. Seymour</td>
<td>Carolina Chemical Corp. Box 70</td>
<td>New Bern, N. C. 28560</td>
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<td>Bobby Sharpe</td>
<td>Forshaw Chemicals, Inc. P. O. Box 6055</td>
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<td>Byron D. Shinkle</td>
<td>W. R. Grace &amp; Co. 100 N. Main, Box 277</td>
<td>Raleigh, N. C. 27606</td>
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<td>Carl C. Shores</td>
<td>Kerr-McGee Chem. Corp. Route 1</td>
<td>Rockingham, N. C. 28379</td>
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<td>Dixie Chemical Corp. P. O. Box 667</td>
<td>Severn, N. C. 27877</td>
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<td>George Simches</td>
<td>Kaiser Agri. Chemicals P. O. Box 1649</td>
<td>Norfolk, Va. 23516</td>
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<td>Chester Simpson</td>
<td>Pearsall &amp; Co. P. O. Box 3352</td>
<td>Mt. Airy, N. C. 27030</td>
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<td>Daniel M. H. Simpson</td>
<td>Coastal Chemical Corp. P. O. Box 461</td>
<td>Memphis, Tenn. 38101</td>
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<td>Raymond P. Skinner</td>
<td>Hercules, Inc. P. O. Box 10406</td>
<td>Dalzell, S. C. 29040</td>
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<tr>
<td>Charles D. Smith, Jr.</td>
<td>Woolfolk Chemical Co. E. Main Street FCX</td>
<td>New Bern, N. C. 28560</td>
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<tr>
<td>George C. Smith</td>
<td>Kaiser Agri. Chem. 320 West 11th St.</td>
<td>Rocky Mount, N. C. 27801</td>
</tr>
<tr>
<td>Jack W. Smith, Jr.</td>
<td>DuPont Co. Box 295</td>
<td>Wilmington, N. C. 28401</td>
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<tr>
<td>John D. Smith, Jr.</td>
<td>Central Carolina Farmers 801 Gilbert St.</td>
<td>Franklin, Va. 23851</td>
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<tr>
<td>Kelly Smith</td>
<td>Geigy Co. P. O. Box 17186</td>
<td>Raleigh, N. C. 27609</td>
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<tr>
<td>Herbert R. Smith</td>
<td>Kaiser Agri. Chemicals DuPont Co. 1810 Sandhurst Drive</td>
<td>Fort Valley, Ga. 31030</td>
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<tr>
<td>T. V. Snyder</td>
<td></td>
<td>Salisbury, N. C. 28144</td>
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<td>Douglas Speight</td>
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<td>Goldsboro, N. C. 27530</td>
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<td>Durham, N. C. 27704</td>
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<td>Al Stanford</td>
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<td>Albert Stanley</td>
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<td>Four Oaks, N. C. 27524</td>
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<td>Charlie Steinhauer</td>
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<td>Charlotte, N. C. 28205</td>
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W. E. Stikeleather
Charles K. Stuart
Wayne D. Summers
H. S. Surles, Jr.
Dana Sykes
Robert H. Sykes
James L. Taylor
Jim Taylor
Roy C. Taylor
Curtis P. Thomas
Kent Thomas
Paul A. Thomas
James T. R. Thompson
Jerry Thompson
John N. Thompson
Paul Thompson
Ed Thorndyke
W. W. Tice
Ralph L. Tiller
A. Roy Tilley
Frank Timmons
Gene W. Todd
C. D. Tucker
Horace M. Tyndall
Craig Valentine
Jack Waddell
Al Walrod
Thomas M. Walton
William H. Ward
George Warren
Kenneth R. Watson

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Box 243
P. O. Box 63
P. O. Box 148
Tri-Chemical Co., Inc.
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Kaiser Agri. Chemical
FCX
Thompson-Hayward Chem.
P. O. Box 471
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Dow Chemical Co.
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FCX
P. O. Box 5476
Agrico Chemical Co.
P. O. Box 3467
Daly-Herring Co.
P. O. Box 6582
John Blue Company
Dixie Chemical Corp.
P. O. Box 667
Olin Corporation
1705 Rosewood Drive
Sou. Agri. Chemicals, Inc.
P. O. Drawer 527
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Box 368
Monsanto Co.
2802 Brigadoon Drive
Severn Peanut Co.
P. O. Box 581
Daly-Herring Co.
Kaiser Agri. Chem.
P. O. Box 1649
Kaiser Agri. Chem.
103 Lakeside Drive
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Box 661
Pearsall & Company
P. O. Box 3352
Dow Chemical Co.
200 S. Tryon St.
Kaiser Ag. Chem.
FCX

Franklinton, Va. 27525
Lakeland, Fla. 33800
Severn, N. C. 27877
Rocky Mount, N. C. 27801
Emporia, Va. 23847
King, N. C. 27021
Sanford, Fla. 32771
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Greensboro, N. C. 27403
Laurinburg, N. C. 28352
New Bern, N. C. 28560
Greenville, N. C. 27834
Kingstree, S. C. 29556
Wilmington, N. C. 28401
Raleigh, N. C. 27606
Scotland Neck, N. C. 27874
Greensboro, N. C. 27400
Kinston, N. C. 28501
Rocky Mount, N. C. 27801
Riegelwood, N. C. 28456
Snow Hill, N. C. 28580
Wilmington, N. C. 28401
Charlotte, N. C. 28202
Newton Grove, N. C. 28366
Jacksonville, N. C. 28540
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
</tr>
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<tbody>
<tr>
<td>Millis B. Wright</td>
<td>E-Z Flo Chem. Co. 900 Jessie St.</td>
<td>Ahoskie, N. C. 27910</td>
</tr>
<tr>
<td>Ralph Wynne</td>
<td>Coastal Chemical Route 1</td>
<td>Henderson, N. C. 27536</td>
</tr>
<tr>
<td>John York</td>
<td>Chevron Chemical Company 1028 Medlin Drive</td>
<td>Cary, N. C. 27511</td>
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<tr>
<td>John R. Yount</td>
<td>John Umstead Hospital</td>
<td>Butner, N. C. 27509</td>
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<td>Warren H. Zick</td>
<td>PPG Industries, Inc. 1 Gateway Center</td>
<td>Pittsburgh, Pa. 15237</td>
</tr>
<tr>
<td>Herman F. Smith</td>
<td>Norwood Fert. Co.</td>
<td>Norwood, N. C. 28128</td>
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<tr>
<td>LATE REGISTRANTS</td>
<td></td>
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</tr>
<tr>
<td>N. Rudy Barden</td>
<td>Uniroyal Chemical Box 2337</td>
<td>Gastonia, N. C. 28052</td>
</tr>
<tr>
<td>Nick Baskin</td>
<td>Union Carbide Corp.</td>
<td>Bishopville, S. C. 29010</td>
</tr>
<tr>
<td>Robert C. Berry</td>
<td>Kennecott Copper Corp. 161 E. 42nd Street</td>
<td>New York, N. Y. 10017</td>
</tr>
<tr>
<td>Paul T. Blizzard</td>
<td>Humac Company P. O. Box 2571</td>
<td>New Bern, N. C. 28560</td>
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<tr>
<td>W. W. Brewer</td>
<td>Dixie Chemical Corp. P. O. Box 667</td>
<td>New Bern, N. C. 28560</td>
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<tr>
<td>T. K. Broadwell</td>
<td>U.S.S. Agri. Chemicals P. O. Box 20808</td>
<td>Greensboro, N. C. 27406</td>
</tr>
<tr>
<td>Wayne Carruth</td>
<td>Diamond Shamrock Corp. 5706 Kallam Court</td>
<td>Charlotte, N. C. 28215</td>
</tr>
<tr>
<td>A. W. Chandler</td>
<td>U.S.S. Agri. Chemicals P. O. Box 20808</td>
<td>Greensboro, N. C. 2742Q</td>
</tr>
<tr>
<td>Jesse T. Duke</td>
<td>Uniroyal Chemicals Route 2</td>
<td>Wake Forest, N. C. 27587</td>
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<tr>
<td>Howard Elmer</td>
<td>Chemagro Corp. 3437 Grandview Drive</td>
<td>Richmond, Va. 23225</td>
</tr>
<tr>
<td>John H. Flanagan</td>
<td>Royster Company P. O. Box 7565</td>
<td>Chesapeake, Va. 23320</td>
</tr>
<tr>
<td>Joseph C. Gentle</td>
<td>American Cyanamid Co. 5046 Hopkins Road</td>
<td>Richmond, Va. 23234</td>
</tr>
<tr>
<td>Dick Graham</td>
<td>Elanco Products Co. 7708 Yorkdale Drive</td>
<td>Richmond, Va. 23235</td>
</tr>
<tr>
<td>Mike Hinton</td>
<td>Dow Chemical Co. 200 S. Tryon St.</td>
<td>Charlotte, N. C. 28202</td>
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<tr>
<td>Warner R. Houston</td>
<td>Miller Chem. Fert. Corp. 19 Lancaster</td>
<td>Savannah, Ga. 31404</td>
</tr>
<tr>
<td>Bill Johnson</td>
<td>THE PROGRESSIVE FARMER 3803 Computer Drive</td>
<td>Raleigh, N. C. 27609</td>
</tr>
<tr>
<td>Derold G. Ledford</td>
<td>N. C. Dept. of Agricul. Route 2, Box 1206</td>
<td>Franklin, N. C. 28734</td>
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<tr>
<td>Richard Lehman</td>
<td>Amchem Products, Inc. 865 Lower Ferry Road</td>
<td>Trenton, N. J. 08600</td>
</tr>
<tr>
<td>Frank Macon</td>
<td>Central Carolina Farmers 801 Gilbert Street</td>
<td>Durham, N. C. 27700</td>
</tr>
<tr>
<td>C. B. Manley</td>
<td>Rockydale Quarries Corp. P. O. Box 8425</td>
<td>Roanoke, Va. 24014</td>
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### LATE REGISTRANTS (Cont.)

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<thead>
<tr>
<th>Name</th>
<th>Company/Address</th>
<th>Location</th>
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<tbody>
<tr>
<td>Chesley L. Milam</td>
<td>The Ansl Co. 1621 North Main St. R. T. Vanderbilt Co. Box 188</td>
<td>Anderson, S. C. 29621</td>
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<tr>
<td>R. B. Miller</td>
<td>Chevron Chem. Co. P. O. Box 49243</td>
<td>MooresTown, N. J. 08057</td>
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<tr>
<td>Thomas L. Perkins</td>
<td>Chevron Chemical Co. 4 Executive Park Mineral Research &amp; Dev. Co.</td>
<td>Atlanta, Ga. 30308</td>
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<tr>
<td>J. T. Rose</td>
<td>Procter &amp; Gamble P. O. Box 599</td>
<td>Charlotte, N. C. 28201</td>
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<tr>
<td>A. E. Rutz</td>
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<td>Ben Schroder</td>
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<tr>
<td>Marshall Thomas</td>
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### AGRICULTURAL AGENCY PERSONNEL

<table>
<thead>
<tr>
<th>Name</th>
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<th>Location</th>
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<tr>
<td>Mike Angell</td>
<td>N. C. Dept. of Agricul. Route 3 Agri. Extension Service Box 208</td>
<td>Mocksville, N. C. 27028</td>
</tr>
<tr>
<td>Bobby C. Armstrong</td>
<td>Oxford Tobacco Research Station</td>
<td>Columbia, N. C. 27925</td>
</tr>
<tr>
<td>Billy Ayscue</td>
<td>Upper Coastal Plain Research Station</td>
<td></td>
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<tr>
<td>Warren Bailey</td>
<td>Peanut Belt Research Station</td>
<td></td>
</tr>
<tr>
<td>Wallace Baker, Jr.</td>
<td>Lower Coastal Plain Tob. Research Station, Route 1</td>
<td></td>
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<tr>
<td>S. T. Barnes</td>
<td>Mountain Hort. Crops Research Station</td>
<td></td>
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<tr>
<td>Harley E. Blackwell</td>
<td>County Extension Serv. Oxford Tobacco Research Station</td>
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<td>W. C. Bledsoe</td>
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<td>Gene Britt</td>
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<td>Marshall Brummitt</td>
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<td>Perry C. Bryant</td>
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<td>Ralph T. Bryant</td>
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<td>Edward Carter</td>
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<td>Fred Cumbo</td>
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<tr>
<td>Wallace Dickens</td>
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<td>Darryl Dunagan</td>
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<tr>
<td>A. S. Elder</td>
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-15-
Robert Eplee
W. P. Farrior, Jr.
Larry M. Gardner
Frank Green
Howell Gentry, Jr.
Gene Hall
C. Elwyn Harris
Marshall K. Hill
Willard O. Jackson
Connie Jernigan
Pat Kelley
Bill LaRue
Marion Langston
Dr. Neil A. Lapp
William D. Lewis
Richard T. Liles
Eugene McCall
Clyde McSwain, Jr.
Archie Martin
Arnold Moody
E. Blaney Parker, III
K. V. Perkins
Ebert L. Pierce
Zennie Quinn
Charlie Raper
Bill Rogister
Ralph Sasser
John Smith
Jesse Sumner
Ed Terrell
Dana Tugman
Howard Waynick
Sam J. Weeks

U.S.D.A.
Box 269
Extension
Box 3027
Lower Coastal Plain
Tobacco Res. Station
Route 1, Box 442-A
County Extension Service
Upper Piedmont Research
Station
Oxford Tobacco Research
Station
U.S.D.A.
P. O. Box 269
County Extension Service
Box 947
N. C. Ag. Ext. Service
Box 926
County Extension Service
N. C. Dept. of Agri.
SACA
Box 12534
U.S.D.A.
Box 146
N. C. Dept. of Agricul.
P. O. Box 27647
County Extension Service
P. O. Box 3027
County Extension Serv.
Box 1229
County Extension Service
Piedmont Research Station
County Extension Service
U.S.D.A.
805 E. Jefferson St.
N. C. Dept. of Agricul.
Box 2746
Scotland County Extension
Box 749
Agri. Extension Service
109 Court St.
County Extension Serv.
County Extension Serv.
P. O. Box 760
County Ext. Service
County Ext. Service
Tidewater Research Station
Coastal Plain Research Station
County Extension Service
Upper Mountain Research
Station
County Extension Service
Agr. Ext. Service
Box 1427

Whiteville, N. C. 28472
Wilson, N. C. 27893
Kinston, N. C. 28501
Reidsville, N. C. 27320
Whiteville, N. C. 28472
Carthage, N. C. 28327
Oxford, N. C. 27565
Fayetteville, N. C. 28300
Raleigh, N. C. 27205
Whiteville, N. C. 28472
Raleigh, N. C. 27611
Wilson, N. C. 27893
Raleigh, N. C. 27602
Waynesville, N. C. 28786
Supply, N. C. 28462
Dillon, S. C.
Raleigh, N. C. 27607
Laurinburg, N. C. 28352
Hillsborough, N. C. 27278
Kenansville, N. C. 28349
Whiteville, N. C. 28472
Winton, N. C.
Elizabethtown, N. C. 28337
Lincolnton, N. C. 28092
Greenville, N. C. 27834
Bernard White
Fred W. Williams
Earle Wise
C. D. Woodlief
Douglas Young

U.S.D.A.
Route 2
N. C. Prison Enterprise
Box 137
County Extension Service
University Research Farms
County Extension Service

Chadbourn, N. C. 28431
Tillery, N. C. 27887
Marhsall, N. C. 28753
Asheboro, N. C. 27203
PROGRAM 1971 AGRICULTURAL CHEMICALS SCHOOL

MONDAY MORNING, JANUARY 11, 1971

8:15 Registration - Lobby, Hotel Sir Walter

GENERAL SESSION

Presiding - T. J. Sheets

10:00 Address of Welcome - E. W. Glazner, Acting Dean

10:10 Responsible Use of Agricultural Chemicals
  J. T. Conner, Director, Congressional Affairs, National Agricultural
  Chemicals Association

10:50 Responsibilities of NCSU in Pesticide Recommendations - T. C. Bialock,
  Assistant Director of Extension

WEED SCIENCE

Presiding - A. A. Banadyga

11:05 Weed Control in Cotton, Peanuts, and Soybeans
  Research ................................................................. J. W. Schrader
  Extension ................................................................. H. D. Coble

11:30 Weed Control in Corn and Tobacco ................. A. D. Worsham

11:45 Perennial Weed Control
  Nutsedge ................................................................. A. D. Worsham
  Johnsongrass ........................................................... W. M. Lewis

12:00 Adjoin
MARDAY AFTERNOON, JANUARY 11, 1971

WEED SCIENCE

Presiding - A. D. Worsham

1:45 Weed Control for No-Tillage .................. W. M. Lewis
1:55 Effect of Liming on Triazine Activity ........ J. B. Weber
2:05 Pesticide Interactions .......................... F. T. Corbin
2:15 Weed Control in Horticultural Crops
   Research ........................................... T. J. Monaco
   Extension On-Farm Tests .......................... W. A. Skroch

GROWTH REGULATORS

Presiding - C. W. Donohoo

2:35 Chemical Sucker Control in Tobacco .......... W. K. Collins
2:45 Growth Regulators on Tree Fruits ............. C. R. Unrath
2:55 Growth Regulators on Ornamentals ............. J. W. Love
3:05 Recess

PLANT PATHOLOGY

Presiding - C. N. Clayton

   How to Control it? .............................. J. C. Wells
3:35 Peanut, Corn, Soybean, and Cotton Disease Control .......... J. C. Wells
3:50 Tomato Diseases .................................. H. E. Duncan
   E. Echandil
4:05 Potato Seedpiece Decay ........................ L. W. Nielsen
4:15 Pepper Leaf Spot ............................... C. W. Averre
   L. T. Lucas
4:25 Tobacco Diseases ............................... F. A. Todd
4:45 Changes in Disease Control Recommendations .......... H. E. Duncan
4:55 Adjourn
TUESDAY MORNING, JANUARY 12, 1971

GENERAL SESSION

Presiding - K. L. Knight

8:45 Findings of the Pesticide Subcommittee of The Legislative Research
Commission and Its Recommendations to The North Carolina General
Assembly
The Honorable Elton Edwards, Senator, The North Carolina General
Assembly

9:25 Selecting and Maintaining Application Equipment .... J. W. Glover

9:45 Problems in Bird Control ....................... T. L. Quay
                        ... D. T. Harke

10:00 Proposed Changes in the Agricultural Chemicals Manual.. G. T. Weekman

10:05 Recess

ENTOMOLOGY

Presiding - G. T. Weekman

10:20 Field and Laboratory Testing of Orchard Acaricides ... G. C. Rock

10:35 Effect of Insecticides on Maturity of Cotton ........ J. R. Bradley

10:50 Vegetable Insect Research - 1970 .................. C. H. Brett

11:05 Peach Insects and Mites ......................... C. F. Smith

11:20 Control of Livestock Insects ..................... J. M. Falter

11:30 Movement of Certain Pesticides in Surface Water .... T. J. Sheets

11:40 Tobacco Insect Control ......................... W. J. Mistrick

11:55 Alfalfa Weevil Control ......................... W. V. Campbell

12:10 Adjourn
TUESDAY AFTERNOON, JANUARY 12, 1971

SOIL FERTILITY

Presiding - J. V. Baird

1:45 Changes in North Carolina Agriculture in the 70's That May Affect Fertilizer Sales ........................................ C. R. Pugh

2:15 The Role of the Banker in Support of the Fertilizer Salesman Norfleet Sugg, Planters National Bank & Trust Co., Rocky Mount, North Carolina

2:45 Soil Testing - A Saeguard to Quality Environment ...... D. W. Eaddy

3:05 Recess


3:40 Fertilizer and Water Movement in Deep Sands under Tobacco Culture ................................................................. D. L. Terry

4:00 Fate of 200 Pounds Per Acre of Nitrogen on a Coastal Plain Corn Field ................................................................. J. W. Gilliam

4:20 Concepts of Future Agronomic Research ...................... C. B. McCants

4:50 Adjourn
BIOLOGICAL AND AGRICULTURAL ENGINEERING

J. W. Glover, Extension, Agr. Engineering

CROP SCIENCE

H. D. Coble, Extension, Weed Science
W. K. Collins, Extension, Tobacco
F. T. Corbin, Research, Pesticide Interactions
W. M. Lewis, Extension, Weed Science
J. W. Schrader, Research, Weed Science
J. B. Weber, Research, Herbicide-Soil Relationships
A. D. Worsham, Research, Weed Science

ECONOMICS

C. R. Pugh, In Charge, Extension Farm Management and Public Affairs

ENTOMOLOGY

K. L. Knight, Head, Department of Entomology
J. R. Bradley, Research, Cotton Insects
C. H. Brett, Research, Vegetable Insects
W. V. Campbell, Research, Forage and Peanut Insects
J. H. Faller, Extension, Entomology
W. J. Histric, Research, Tobacco Insects
G. C. Rock, Research, Apple Insects
T. J. Sheets, Research, Pesticide Residues
C. F. Smith, Research, Peach Insects
G. T. Weakman, In Charge, Entomology Extension and Pesticide Coordinator

HORTICULTURAL SCIENCE

C. W. Donoho, Jr., Head, Department of Horticultural Science
A. A. Banadyga, In Charge, Horticultural Science Extension
J. W. Love, Extension, Floriculture
T. J. Monaco, Research, Weed Science
C. B. Unrath, Research, Tree Fruits
W. A. Skroch, Extension, Weed Science
PLANT PATHOLOGY
C. W. Averre, Extension, Vegetables
C. N. Clayton, Research, Fruits
H. E. Duncan, In Charge, Plant Pathology Extension
E. Echandi, Research, Vegetable Diseases
K. J. Leonard, Research, Corn Diseases
L. T. Lucas, Research, Forage Crop Diseases
L. W. Nielsen, Research, Potato Diseases
F. A. Todd, Extension, Tobacco
J. C. Wells, Extension, Field Crops

SOIL SCIENCE
J. V. Baird, Extension-Research, Soil Science
D. W. Eaddy, Research, Soil Science and Soil Testing Division,
N. C. Department of Agriculture
J. S. Barnes, Research-Extension, Soil Science
D. L. Terry, Research-Extension, Soil Science
J. W. Gilliam, Research, Soil Science
C. B. McCants, Research, Soil Science

ZOOLOGY
D. T. Harke, Wildlife Services, U. S. Fish and Wildlife Service
T. L. Quay, Research, Ecological and Behavioral Ornithology
Senator Elton Edwards
P.O. Box 18
Greensburg, N.C. 27402
Milton

8-933-1304

Sir. Edward

7-9-275-7610
August 10, 1970

Dr. Milton Heath
Institute of Government
University of North Carolina
Chapel Hill, North Carolina

Dear Dr. Heath:

Once each year the School of Agriculture and Life Sciences sponsors a conference for the agricultural chemical industry in North Carolina including County Agricultural Extension personnel. This conference is called the "Agricultural Chemicals School." The primary purpose is to present, to industry and extension personnel, recommendations for agricultural chemicals and to give some high points about new research. In addition, we like to have outside speakers to cover general and specific topics of special interest.

At this time there is high interest among this group in the pending legislation on pesticides, and we believe that a presentation on this subject would be appropriate and timely. Therefore, I invite you, on behalf of the program committee of the Agricultural Chemicals School, to appear on the 1971 program as a feature speaker and discuss "Pending Legislation on Pesticides in North Carolina." The specific title may be altered as you think desirable. The time tentatively set aside for this discussion is 8:45 - 9:30 a.m. on January 12, 1971. We suggest a presentation of 25 to 35 minutes with 10 to 20 minutes for discussion.

We earnestly hope that you will be able to fit this into your busy schedule. Please let me know at your earliest convenience if you can appear on the program and advise me if you prefer a change in the title of the presentation. I look forward to hearing from you.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

The University of North Carolina, William Friday, President, comprises: North Carolina State University at Raleigh, the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, and the University of North Carolina at Charlotte.
Dr. T.J. Sheets, Director  
Pesticide Residue Research Laboratory  
School of Agriculture and Life Sciences  
Department of Entomology  
Box 5215 North Carolina State University  
Raleigh, North Carolina  27607

Dear Jack:

Thank you for the invitation to speak at the SALS Agricultural Chemicals School on the subject of pesticides legislation next January 12th. I have talked with Jerry about the pros and cons of having Senator Edwards in this slot rather than me, and this discussion has not yet been resolved. There are reasons of strategy and timing that argue in favor of Senator Edwards. If it is decided (as I believe it should be) that he is the better choice, I will be a satisfied member of the audience. I am not turning you down, however, and will be available if needed.

Sincerely,

Milton S. Heath, Jr.  
Associate Director

cc: Dr. Gerald Weekman  
    Department of Entomology  
    North Carolina State University  
    Box 5215  
    Raleigh, N.C.  27607
August 28, 1970

The Honorable Elton Edwards
P. O. Box 18
Greensboro, North Carolina  27402

Dear Senator Edwards:

This will confirm my recent invitation by phone for you to appear on the
program of the North Carolina State University Agricultural Chemicals School in
January.

Since you may not be acquainted with this activity, I will describe the
function briefly. Once each year the School of Agriculture and Life Sciences
sponsors a conference called the Agricultural Chemicals School for the agri-
cultural chemical industry in North Carolina, including county agricultural
extension personnel. The primary purpose is to provide a system for University
personnel to present (to industry and extension personnel) recommendations for
agricultural chemicals and to give some high points about new research. In
addition to our own people, we like to have outside speakers to cover topics
of special interest.

At this time there is high interest among this group in pending legis-
lation on pesticides, and we believe that a presentation on this subject would
be appropriate and timely. Therefore, if you are able to accept the invitation,
may I suggest that the topic of your discussion be "Pending Legislation on
Pesticides in North Carolina". The specific title may be altered as you think
desirable. The time tentatively set aside for this discussion is 8:45 to
9:30 a.m. on January 12, 1971. We suggest a presentation time of 25 to 35
minutes with 10 to 20 minutes for discussion.

We earnestly hope that you will be able to fit this into your busy schedule.
Please let me know at your earliest convenience if you can appear on the program
and advise me if you prefer a change in the title. I look forward to hearing
from you.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research
Laboratory

TJS:sb
November 2, 1970

Dr. James T. Conner  
Director, Congressional Affairs  
National Agricultural Chemicals Association  
The Madison Building  
1155 Fifteenth Street, N. W.  
Washington, D. C. 20005

Dear Dr. Conner:

Attached is a copy of the program of the 1971 Agricultural Chemicals School. This will show your presentation time as 10 a.m., January 11, 1971.

Sincerely yours,

T. J. Sheets, Director  
Pesticide Residue Research Laboratory

TJS: sb
Enclosure
August 28, 1970

Dr. James T. Conner
Director, Congressional Affairs
National Agricultural Chemicals Association
The Madison Building
1155 Fifteenth Street, N. W.
Washington, D. C. 20005

Dear Dr. Conner:

We were very pleased to receive your letter indicating you will appear on the program of the Agricultural Chemicals School in January. I will keep you advised as the program develops.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS: sb
August 24, 1970

Dr. T. J. Sheets, Director
Pesticide Residue Research Laboratory
North Carolina State University
Box 5215
Raleigh, North Carolina 27607

Dear Dr. Sheets:

Thank you for your letter of August 10 and for your invitation to attend the "Agricultural Chemicals School" in January.

I will be happy and pleased to appear on your program to discuss "Responsible Use of Agricultural Chemicals". I will also be looking forward to renewing old friendships and want to thank you for providing the opportunity to do so.

With kindest personal regards and best wishes, I am

Most sincerely yours,

James T. Conner
Director, Congressional Affairs

JTC/1m
Dr. James T. Conner  
National Agricultural Chemicals Association  
The Madison Building  
1155 15th Street, N.W.  
Washington, D. C. 20005

Dear Dr. Conner:

Once each year the School of Agriculture and Life Sciences sponsors a conference for the agricultural chemical industry in North Carolina including County Agricultural Extension personnel. This conference is called the "Agricultural Chemicals School." The primary purpose is to present, to industry and extension personnel, recommendations for agricultural chemicals and to give some high points about new research. In addition, we like to have outside speakers to cover general and specific topics of special interest.

On behalf of the program committee for the "Agricultural Chemicals School" for 1971, I invite you to appear on the program as the keynote speaker to discuss "Responsible Use of Agricultural Chemicals - Where are we going" or some related subject. We want to give these people something they haven't heard before and would be pleased to have an alternate title if you think another is better.

The scheduled time for the keynote address is 10:00 a.m. on January 11, 1971. We earnestly hope that you will be able to fit this into your busy schedule. Please let me know at your earliest convenience if you can appear on the program and advise me if you prefer a change in the title of the presentation. I look forward to hearing from you.

Sincerely yours,

T. J. Sheets, Director  
Pesticide Residue Research Laboratory

August 10, 1970
January 20, 1971

Mr. James T. Conner
Director, Congressional Affairs
National Agricultural Chemicals Association
The Madison Building
1155 15th Street
Washington, D. C. 20005

Dear Jim:

On behalf of the Program Committee of the 1971 Agricultural Chemicals School, I would like to thank you for taking time from your busy schedule to appear on our program.

We have received many favorable comments and appreciate the contribution you made to a successful meeting. Such discussion as you provided will help greatly in solving the problems surrounding the use of pesticides in North Carolina.

Again, may I say it was a pleasure to have you with us.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS:sh
January 19, 1971

The Honorable Elton Edwards
Post Office Box 18
Greensboro, North Carolina 27402

Dear Senator Edwards:

On behalf of the Program Committee of the 1971 Agricultural Chemicals School, I would like to thank you for taking time from your busy schedule to appear on our program. We have received many favorable comments and appreciate the contribution you made to a successful meeting.

Your topic was especially appropriate and timely. Such communication will help greatly in solving the problems surrounding pesticide legislation in North Carolina, in spite of the sometimes rather pessimistic mood of the pesticide distributors and formulators.

Again, may I say it was a pleasure to have you with us.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS:sp
January 19, 1971

Dr. T. C. Blalock
Assistant Director, Agriculture Extension
106 Ricks Hall
Campus

Dear Dr. Blalock:

On behalf of the Program Committee of the 1971 Agricultural Chemicals School, I would like to thank you for taking time out to be with us for the opening session of the School. We received many favorable comments on the program and appreciate your contribution toward making it a success.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory
Dr. Edward W. Glazener, Acting Dean
School of Agriculture and Life Sciences
115 Patterson Hall
Campus
Dear Dr. Glazener:

On behalf of the Program Committee of the 1971 Agricultural Chemicals School, I would like to thank you for taking time out to be with us for the opening session of the School. We received many favorable comments on the program and appreciate your contribution toward making it a success.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS: sb
Agents attending the Agricultural Chemicals School, January 11 & 12, 1971

West
W. C. Bledsoe
Eugene McCall

Ed Terrell
Earle Wise

Northwest
Douglas Crater
Kenneth Patterson
W. W. Johnson

Douglas Young
Frank Green

Southwest
K. V. Perkins

Howard Waynick

Southeast
A. F. Martin
C. D. Raper

L. R. Sasser
Connie Jernigan

East Central
E. C. Bryant
Sam Weeks

Wayne Edwards
Willard Jackson

I am enclosing material requested.

Very truly yours,

J. E. Foll
Assistant Director
January 11, 1971

T.J. Sheets, Director
Pesticide Residue Research Laboratory
North Carolina State University
Department of Entomology
Box 5215
Raleigh, North Carolina 27607

Dear Mr. Sheets:

As per your request, please find enclosed my biographical sketch for introducing me at the 1971 Agricultural Chemicals School.

Most sincerely yours,

James T. Conner, Director
Congressional Affairs

JTC/sl
enc.
PERSONAL

Born Ripley, Mississippi.  
Married to Gladys Bentley of Oxford, North Carolina. 
Two children, James T. Conner III and Bentley E. Conner. 
Religion, Baptist; Taught Sunday School and served as Sunday School Superintendent for many years.

EDUCATION

Graduated Ripley High School 1934.  
College: Mississippi State University, Entomology.

EMPLOYMENT

U. S. Department of Agriculture, Bureau of Entomology and Plant Quarantine, Tobacco Insect Research at Oxford, North Carolina and the Pee Dee Experiment Station, Florence, South Carolina; Mexican Fruit Fly Control Division, Weslaco, Texas; Fruit and Vegetable Insect Control Division, Plant City, Florida; and State Extension Entomologist, North Carolina State College, Raleigh, North Carolina.

Taylor Chemical Company, Aberdeen, North Carolina, Vice President with responsibilities of product and technical development, technical service and field promotion.

In 1957 constructed a new plant in Canton, Mississippi. President and principal stockholder until 1967 when the company was sold to Riverside Inc. of Marks, Mississippi. Retained as Vice President and General Manager of Champion Chemical Division, Riverside, Inc. until October 1968.

MILITARY SERVICE

Member Elks, Masonic Orders, Shrine Club, American Legion. Director and past President, Canton Rotary Club. Director and past President, Canton Chamber of Commerce. Director (9 years) Mississippi State Chamber of Commerce. Member Executive Board, Andrew Jackson Council, Boy Scouts of America. Member Advisory Board, Mississippi Regional Medical Program for Heart, Stroke and Cancer. Member Board of Commissioners, Pearl River Valley Water Supply District. Member Mississippi Governor’s Staff of Colonels. Member various Trade Associations and Scientific Societies including:

TO: Program Participants for the 1971 Agricultural Chemicals School
FROM: T. J. Sheets
SUBJECT: Final Notes - Program 1971 Agricultural Chemicals School

The program committee met December 17, 1970, to discuss a few last-minute details for the 1971 program. Several things that were discussed are summarized below.

Handouts: As in the past, handouts are optional. A copy of "Guidelines for Handouts" is enclosed. Please note that length of individual handouts should not exceed 1 sheet (this can be front and back). Handouts must reach 2309 Gardner Hall by 10:00 a.m., January 6, 1971, in order to be included in the folder that is to be passed out at registration time.

A Carousel projector will be provided for slides. It would be most convenient for speakers to bring Carousel trays with the slides in place. Other types of projection equipment must be provided by the speaker. Generally, overhead transparencies are undesirable for this meeting. Screens and pointers will be furnished. A copy of a write-up on the "Preparation and Use of Slides" is enclosed for your information.

Members of the program committee are reminded that someone from your department who knows the speakers should be responsible for keeping the speakers' names on the program board in the hotel lobby. Also, each department should have someone available for stationing at the rear of the ballroom to dim the lights.

The program committee suggests, as a general rule, that trade names be used for agricultural chemicals that do not have widely-used common names. However, well-known common names such as atrazine, diazinon, 2,4-D, etc. are preferable to trade names.

It was suggested that each department may wish to consider a dry-run on talks to be presented.

If you have any questions, please consult your departmental representative on the program committee or call me.

TJS: sb
Enclosures
Guidelines for Handouts
1971 Agricultural Chemicals School

It has been agreed that all departments use printed condensed handouts for the distribution of data too lengthy or detailed for the verbal presentation. These handouts are not to be construed as abstracts and not all speakers are expected to prepare printed handout material. Each participant is responsible for mimeographing his handouts according to the following:

(a) Use normal page margins
(b) Use color coding of mimeograph paper according to the following plan:

- Biological and Agricultural Engineering - white
- Economics - green
- Entomology - white
- Horticultural Science - yellow
- Plant Pathology - blue
- Weed Science - yellow
- Soils - green
- Zoology - white

(c) Single space copy
(d) Maximum of 2 pages per talk (front and back equals 2 pages)
(e) Do not staple. This interferes with machine collation.
(f) Deliver 600 copies to 2309 Gardner Hall (Dr. G. T. Weekman's office) by 10:00 a.m., January 6, 1971.

These materials will be assembled by sections into a North Carolina State folder jacket for release with the Agricultural Chemicals Manual at registration time.

TJS: sb
Preparation and Use of Slides at Annual Agricultural Chemicals School

The following suggestions, after J. Econ. Ent. 44 (1), have been prepared to help participants prepare top quality visuals for the Agricultural Chemicals School. The four statements on spacing for slides represent minimum standards, and school participants are expected to follow them explicitly.

LEGIBILITY OF SLIDES

Spacing:
Crowded letters or words reduce legibility.
Use not more than 30 letters and spaces horizontally.
Use not more than 10 lines vertically.
Leave ample space around words, figures, and characters.

Style of lettering:
Plain, bold, block hand lettering in black can be more easily read than italic, script, or fancy types.
Gummed black letters can be substituted.
Typing for use in making slides will not stand reduction and then the necessary enlargement.

Weight of letters and trend lines:
In making 1/4-inch letters, use number 3 or 4 Leroy or number 2 or 3 Wico pen.
Use comparable or heavier weight lines for trend lines in graphs.

COMPOSITION OF SLIDES--TABLES, CHARTS, PICTURES, AND DRAWINGS

Tables:
Should contain only essential data. Preferably one or two main items.
Summaries are sufficient in most cases.
Limit headings to four words.
Include only one general thought in heading.
Repeat subheads on continuing slide if additional slides are needed to complete the table.
Do not shift position of any columns of figures on succeeding slides.
If first slide carries check plot information on left, use this order on continuing slides.
Leave ample space for emphasis.
Inclusion of many data makes essential material less obvious.
Charts: Graphs, columns, pies, bars

Keep them simple.
Use least lettering possible.
Select kind most appropriate to subject.

Graphs

Do not exceed three trend lines per graph.
Make trend lines distinct and contrasting by using solid lines,
dots and dashes, or different-colored lines.
Trend lines need not pass through all variable points.

Columns, pies and bars

In color slides, alternate colors add to clarity and attractiveness.
Use black, red, blue, orange, green, or purple and in that order.
Shading by various patterns gives contrast to the different units
when using black and white.

Pictures of objects:

Items photographed to clarify talk should be plainly visible.
Use no more than two or three typical samples.
When taking pictures, use a contrasting background.
Be careful of strong lights and shadows.
Omit meaningless foreground subjects.
Leave out unrelated material, such as posts, steam pipes, automobiles,
and irrelevant equipment.
Posing should show action related to subject matter.
Leave portraits for your album.
Mask out all except the points to be stressed when copying photographs
for use in slides.

Drawings and sketches:

Drawings may illustrate some items better than photographs.
Sketches of objects being discussed help others to visualize points
being stressed.

USING SLIDES

Examine each slide before going to meeting.
Make sure there is no error in subject matter.
Make sure slide is properly marked for lantern operator. To do this,
hold the slide in the correct position for reading when the maker looks
through it, then place the tab on the lower left-hand corner next to him.
Stand to one side of the screen.
Talk to audience, not to screen.
Explain general lay-out.
Place pointer on each feature referred to.
Use more slides rather than too much on one side.
Do not dwell too long on one slide.
Guidelines for Handouts
1971 Agricultural Chemicals School

It has been agreed that all departments use printed condensed handouts for the distribution of data too lengthy or detailed for the verbal presentation. These handouts are not to be construed as abstracts and not all speakers are expected to prepare printed handout material. Each participant is responsible for mimeographing his handouts according to the following:

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(c) Single space copy
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Use not more than 30 letters and spaces horizontally.
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COMPOSITION OF SLIDES--TABLES, CHARTS, PICTURES, AND DRAWINGS

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Summaries are sufficient in most cases.
Limit headings to four words.
Include only one general thought in heading.
Repeat subheads on continuing slide if additional slides are needed to complete the table.
Do not shift position of any columns of figures on succeeding slides.
If first slide carries check plot information on left, use this order on continuing slides.
Leave ample space for emphasis.
Inclusion of many data makes essential material less obvious.
Charts: Graphs, columns, pies, bars

- Keep them simple.
- Use least lettering possible.
- Select kind most appropriate to subject.

Graphs

Do not exceed three trend lines per graph.
- Make trend lines distinct and contrasting by using solid lines, dots and dashes, or different-colored lines.
- Trend lines need not pass through all variable points.

Columns, pies and bars

In color slides, alternate colors add to clarity and attractiveness.
- Use black, red, blue, orange, green, or purple and in that order.
- Shading by various patterns gives contrast to the different units when using black and white.

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- Be careful of strong lights and shadows.
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- Leave out unrelated material, such as posts, steam pipes, automobiles, and irrelevant equipment.
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- Drawings may illustrate some items better than photographs.
- Sketches of objects being discussed help others to visualize points being stressed.

USING SLIDES

- Examine each slide before going to meeting.
- Make sure there is no error in subject matter.
- Make sure slide is properly marked for lantern operator. To do this, hold the slide in the correct position for reading when the maker looks through it, then place the tab on the lower left-hand corner next to him.
- Stand to one side of the screen.
- Talk to audience, not to screen.
- Explain general lay-out.
- Place pointer on each feature referred to.
- Use more slides rather than too much on one side.
- Do not dwell too long on one slide.
December 28, 1970

The Honorable Elton Edwards
Post Office Box 18
Greensboro, North Carolina 27402

Dear Senator Edwards:

The time of the 1971 Agricultural Chemicals School is approaching fast. We are looking forward to your visit and your presentation on the program.

I would like to have a short biographical sketch for use in introducing you. Could you send it by mail ahead of your time of arrival?

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS:sh
December 28, 1970

Dr. James T. Conner  
Director of Congressional Affairs  
National Agricultural Chemicals Association  
The Madison Building  
1155 Fifteenth Street  
Washington, D. C. 20005  

Dear Dr. Conner:

The time of the 1971 Agricultural Chemicals School is approaching fast. We are looking forward to your visit and your presentation on the program.

I would like to have a short biographical sketch for use in introducing you. Could you send it by mail ahead of your time of arrival?

Sincerely yours,

T. J. Sheets, Director  
Pesticide Residue Research Laboratory
December 17, 1970

W. W. Avery  
Co. Ext. Chm.  
Box 367  
Newland, N. C. 28657

Dear Mr. Avery,

Enclosed is approved TR 1 for the Agricultural Chemicals School. Please plan on riding with Eugene McCall. I am sending him a copy and asking that he arrange to meet you at a designated place.

Please make your own room reservation at the Sir Walter Hotel. Tell them that you will be attending the Agricultural Chemicals School. You will need to travel on the 10th in order to be here for the opening session.

Very truly yours,

D. D. Robinson  
District Extension Chairman

encl

cc: Dr. Sheets, Mr. McCall
TO: J. V. Baird  
C. N. Clayton  
D. E. Davis  
J. W. Glover  
W. M. Lewis  
G. H. Miller  
R. L. Robertson  
H. E. Sternes

FROM: T. J. Sheets

SUBJECT: Final Program Plans for 1971 Agricultural Chemicals School

A meeting is called for 2:00 p.m., Thursday, December 17 in 2000 Phytotron to review plans for the program of the 1971 Agricultural Chemicals School and to make any needed changes.

TJS: sb

cc: R. E. Cook  
C. W. Donoho, Jr.  
D. E. Ellis  
F. J. Hassler  
K. L. Knight  
P. A. Miller  
L. D. Porterfield  
G. T. Weekman  
A. D. Worsham  
G. J. Kriz
MEMORANDUM

TO: 1971 Agricultural Chemicals Manual Committee
FROM: A. D. Worsham, Chairman

The Print Shop is making satisfactory progress in paging-up the new Manual. Details have been worked out for the preparation of the loose-leaf form for Extension and certain other groups which have requested them.

Jerry Weekman and I have prepared drafts of two explanatory statements concerning the loose-leaf style of the Manual for 1971. The paragraphs to be on a separate page in the loose-leaf Manuals will request the holder to fill out and return a form printed below the statements. This will register his Manual, and the person will receive supplements or revisions as they are issued.

The statements to be included on a page in the bound Manuals will explain the situation for 1971 and include a questionnaire form to be filled out and returned as to whether the person would want to purchase a loose-leaf style of Manual in 1972. (The estimated initial cost will be given.)

On both forms we plan to include a few questions for our own general information. These will include such questions as: (a) type of business or position of holder, (b) an idea as to the amount the Manual is used, and (c) suggestions on how the Manual could be made more useful.

If you know of other questions which should be included, please let us know.

The 1971 Manual will have a Table of Contents in the front and Dr. Weekman has made an extensive indexing.
Our tentative plans are to number the pages in both forms of the 1971 Manual consecutively with the date of issue at the bottom of each page. For revision in the loose-leaf, in the case of deletions, a new page would be issued with the date of issue and indicating that it "Replaces page __, issued _______." Additions would be designated with the proper page number and a letter or decimal addition, such as page number 59a or 59.1. These additional pages would be inserted after the proper original page and incorporated into the text whenever extensive revisions are made.

If you have any comments on this system, please let us know.

ADW/eh

cc: Dr. Carlton Blalock
    Mr. Maynard Deekens
    Mr. John Lee
    Mr. Gene Starnes
November 2, 1970

The Honorable Elton Edwards  
Post Office Box 118  
Greensboro, North Carolina 27403

Dear Senator Edwards:

Enclosed is a copy of the program for the 1971 Agricultural Chemicals School. This will show your scheduled time at 8:45 a.m. on January 12, 1971. I look forward to seeing you then.

Sincerely yours,

T. J. Sheets, Director  
Pesticide Residue Research Laboratory

TJS: sb  
Enclosure
October 5, 1970

The Honorable Elton Edwards
Post Office Box 118
Greensboro, North Carolina 27403

Dear Senator Edwards:

Thanks for your letter of September 25, indicating you will appear on the 1971 program of the Agricultural Chemicals School of North Carolina State University.

The time for your talk can now be verified as 8:45 a.m., Tuesday, January 12, 1971. The meeting will be held in the Sir Walter Hotel in Raleigh.

Your suggestion to speak for about 20 minutes and allow about 15 to 20 minutes for discussion is quite satisfactory.

We will be pleased to have you discuss the findings and recommendations to the General Assembly of the Pesticide Subcommittee. This subject is timely, and the audience will be very interested in it. We look forward to having you with us.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS:sh
Mr. T. J. Sheets, Director  
Pesticide Residue Research Laboratory  
Department of Entomology  
North Carolina State University  
Box 5215  
Raleigh, North Carolina 27607  

Dear Mr. Sheets:  

Thank you for your formal invitation, earlier extended by telephone, for me to appear at the January 12, 1971 meeting of the Agricultural Chemicals School.  

I understand that the time for my remarks is tentatively set at 8:45 A.M. In line with your suggestion, I propose to speak for about 20 minutes and allow about 15-20 minutes for questions and discussion.  

My remarks, if satisfactory with you, will be centered around the findings and recommendations to the General Assembly of the Pesticide Sub-committee, as a result of its work during the past year.  

Thank you for your invitation. I will look forward to being with you on January 12.  

Sincerely,  

Elton Edwards  

EE/cak
October 20, 1970

TO: DISTRICT EXTENSION CHAIRMEN

FROM: J. E. Foil

The Agricultural Chemicals School (formerly called the Pesticide Fertilizer School) will be held on January 11 and 12 at the Sir Walter Hotel beginning at 10:00 a.m. Please select 3 to 5 agents from your districts to attend--authorize one car for travel per district with travel and subsistence in addition.

I am enclosing a list of persons that attended last year for you to use as a guide in making your selection for the 1971 program. Please let me have your list by December 1.

Thanks.

JEF:mcp
cc: Dr. T. J. Sheets

P.S. Agents should make their own reservations at the Sir Walter Hotel and tell hotel that they are attending the Agricultural Chemicals School.
MEMORANDUM

TO: J. E. Foil
FROM: T. J. Sheets
SUBJECT: Selection of County Extension Personnel to Attend the 1970 Agricultural Chemicals School

Enclosed are three items: (1) Memorandum from John Falter to District Extension Chairmen, dated December 15, 1969; (2) Summary of Extension Agents' Attendance at the 1970 Pesticide-Fertilizer School; and (3) A Proposed Plan for Extension Agent Attendance at North Carolina Pesticide School.

In the past it has been customary for the Chairman of the Program Committee of the Pesticide-Fertilizer School to contact district chairmen regarding attendance of county personnel at the School. It seemed more appropriate to me for you to make these contacts. If this suggestion is inappropriate or causes problems of any kind, please let me know and I shall be glad to handle it, as has been done in the past.

Please note that the name of the School has been changed once again to the Agricultural Chemicals School. This name is more in keeping with the current policy on agricultural chemicals in the School of Agriculture and Life Sciences.

If you have any questions regarding this request, please let me know.

TJS: sb

Enclosures

cc: G. T. Weakman
    T. C. Blalock
Mr. T. J. Sheets, Director  
Pesticide Residue Research Laboratory  
North Carolina State University  
Raleigh, North Carolina  

Dear Jack:  

Thanks for your letter confirming the date and time of my appearance on the 1971 program of the Agricultural Chemicals School of North Carolina State University.  

I'll be looking forward to being with you.  

Sincerely,  

Elton Edwards  

EE/cak
MEMORANDUM TO: Dr. T. J. Sheets

FROM: David E. Davis

SUBJECT: Program for 1971 Agricultural Chemicals School

The Department of Zoology can provide a talk on bird control by Dr. T. L. Quay. If you wish to have anything on rodents, I would be able to arrange something. However, last year there was a good coverage of rodent problems.
MEMO TO: Dr. T. J. Sheets  
FROM: C. N. Clayton  

Attached are two copies of the Plant Pathology program for the 1971 Agricultural Pesticide-Fertilizer School.

CNC/pac  
Attachment
1971 N. C. STATE PESTICIDE-FERTILIZER SCHOOL
PROGRAM

Plant Pathology

Presiding ----------------------------------------------- C. N. Clayton
15 min. Corn Blight: What is it? ----------------------- Kurt J. Leonard
How to Control it? ------------------------------------ J. C. Wells
15 min. Peanut, Corn, Soybean, Cotton:
Disease Control ---------------------------------------- J. C. Wells
15 min. Tomato Diseases ------------------------------- Harry E. Duncan and
Eddie Echandi
10 min. Potato Seedpiece Decay ------------------------- L. W. Nielsen
10 min. Pepper Leaf Spot ------------------------------- Charles W. Averre and
L. T. Lucas
20 min. Tobacco Diseases ------------------------------- F. A. Todd
10 min. Changes in Disease Control Recommendations ---- Harry E. Duncan
MEMO TO: Dr. T. J. Sheets

FROM: Jack V. Baird, Acting Head

SUBJECT: PROGRAM FOR 1971 AGRICULTURAL CHEMICALS SCHOOL

I am proposing the program which is enclosed for the "Soil Fertility Portion of the 1971 Ag-Chemicals School." I have proposed some times and I realize that you may want to make a slight adjustment in the scheduled time. I wouldn't object to the changes in time but I would like for the allocated time to be kept the same unless you should want to call me and discuss the need for making some adjustments. Please call me as soon as you have agreed to this program. At that time, I will write these people and give them some instructions and simply confirm their verbal agreement to participate at this time with the subject assigned.

I will also include a bit of information about these men so that it can be entered on the program for information sake.

JVB/dtb
Enc.
cc: Dr. Paul Harvey
    Dr. Guy Jones
    Dr. Joe Phillips
Dr. T. J. Sheets  
Pesticide Residue Research Lab.  
Department of Entomology  
2303 Gardner Hall  
Campus

Dear Dr. Sheets:

In reference to the pesticide school program I would like up to 30 minutes for a program on application equipment and its effect on good pest control.

This would be a joint program with Gerald T. Weekman and myself.

The title could be:

10 Min. "The Effect of Application Equipment on Pest Control" - G. T. Weekman

20 Min. "Selecting and Maintaining your Application Equipment" - J. W. Glover

Yours truly,

[Signature]

John W. Glover, Extension Specialist  
Biological & Agricultural Engineering

JWG:dg
MEMORANDUM

TO: 1971 Agricultural Chemicals Manual Committee
FROM: A. D. Worsham, Chairman
SUBJECT: Summary of Meeting on September 11, 1970

The Committee met on September 11, 1970. Visitors present were Dr. Carlton Blalock, Mr. Maynard Deekins, Mr. Glenn Toomey, and Mr. Gene Starnes.

The first item for discussion was whether the Committee wished to recommend that names of individual contributors be omitted from the Manual. This was suggested by Mr. Milton Heath, Legal Advisor with the UNC Institute of Government, as a possible benefit to individuals in the case of lawsuits.

The Committee recommended that names be left in the Manual as presently done.

Mr. Toomey presented several suggestions concerning the Manual which came from a sub-committee within the N. C. Cotton Promotion Association. These suggestions were: (1) that pest control information be arranged according to commodity, (2) that more trade names be included, and (3) that the Manual contain a Table of Contents.

Discussion on the first item indicated that for several years in the past it was attempted to arrange the information on a crop oriented basis. This approach reached a maximum in 1968 and 1969, was not found to be entirely satisfactory and moved more toward a discipline-commodity arrangement in 1970. The Committee wished to continue the 1970 format in this respect.

In reference to the suggestion on trade names, the Committee agreed that it was desirable to include trade names in the tabular material where practical. It would be practical in most cases to use two or three trade names. There would not be space to include more than this.

The Committee recommended that the following be added to the 1971 Editorial Policy:

In tabular material, place the common name(s) of a compound(s) first followed by the trade name(s). From practical considerations, it would not
be expected that more than two or three trade names be used. The first letter of trade names shall be upper case with the other letters lower case and the trade name(s) enclosed within parentheses. Note: This is to be put into effect only in sections and tables which will need the type reset anyway because of other changes.

The Committee agreed that a short Table of Contents would be desirable and Chairman Worsham and Coordinator Weekman agreed to prepare one for the 1971 Manual. The necessity of having a more complete and adequate index was re-emphasized.

Discussion was next centered on the loose-leaf vs. present bound format of the Manual. Dr. Blalock reiterated the extension administration's position that the county extension personnel wanted a loose-leaf format and to for be it revised periodically through the year. This was confirmed at a meeting on September 10 when 99 of the 100 County Chairmen voted in favor of this format.

After further discussion of the advantages and disadvantages of a loose-leaf format the following alternatives were proposed and voted upon:

1. Print all copies in loose-leaf form if at all possible in 1971.

2. All Manuals bound as in present form except for approximately 600 copies for extension use. Extension would be responsible for getting revisions to holders of these Manuals. Along with this proposal a questionnaire would be presented to registrants at the 1971 Pesticide School or through a card in each Manual asking if the person would prefer having a loose-leaf format along with an estimated first-year increased cost.

3. Keep all Manuals in present format.

There were 4 votes for the second proposal and no votes for the others. (The Chairman did not vote and Dr. Davis had left to attend another meeting).

Worsham and Weekman will work with the printer on a pagination scheme which will be useable in both bound and loose-leaf formats.

ADW:sk

cc: Dr. Carlton Blalock
Dr. Jack Sheets
Dr. George Kriz
Mr. Glenn Toomey
Mr. Gene Starnes
Mr. Maynard Deekins
Mr. John Lee (Print Shop)
MEMORANDUM

TO: J. V. Baird
    C. N. Clayton
    D. E. Davis
    J. W. Glover
    W. M. Lewis
    C. H. Miller
    R. L. Robertson
    M. E. Starnes

FROM: T. J. Sheets

SUBJECT: Program for 1971 Agricultural Chemicals School

At the meeting of the program committee July 30, 1970, we established September 15 as the deadline for departmental proposals for the 1971 program. Since I will be away between September 14 and 21, the deadline can be, more realistically, September 21.

Dr. James T. Connor (NACA) has accepted our invitation to appear as keynote speaker on the opening day general session. Dr. T. C. Blalock has heeded the call to speak for 10 - 15 minutes the same day on purposes and responsibilities of NCSU in distributing research results and making recommendations. Dr. E. W. Glazner has agreed to welcome participants.

For the beginning of the second day, we have invited Senator Elton Edwards to discuss, "Pending Legislation on Pesticides in North Carolina".

TJS/sb

cc: R. E. Cook
    C. W. Donoho, Jr.
    D. E. Ellis
    P. H. Harvey
    F. J. Hassler
    K. L. Knight
    I. D. Porterfield
    G. T. Weekman
    A. D. Worsham
    G. J. Kriz
September 4, 1970

Dr. E. W. Glazner
Patterson Hall
Campus

Dear Dr. Glazner:

This will confirm the invitation, given by phone, for you to welcome participants to the 23rd annual Agricultural Chemicals School at 10:00 a.m., January 11, 1971. This invitation is confirmed on behalf of the program committee.

As you suggested, 10 minutes will be provided on the program for the welcome address. We look forward to having you with us.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS:swb
MEMORANDUM

TO: Departmental Representatives on 1971 Agricultural Chemicals Manual Committee
FROM: A. D. Worsham, Chairman
SUBJECT: Summary of Meeting on July 30, 1970

The Committee met on July 30, 1970 to discuss plans for publishing the 1971 Manual. Drs. Miller and Clayton attended as alternates for Skroch and Duncan.

The Editorial Policy statement was gone over in detail and revised for 1971. Extra copies are enclosed for your use and for distribution to members of your respective departments who may make contributions to the Manual.

Considerable time was spent in discussing the publication format for the 1971 Manual. A letter from Dr. Blalock, Assistant Director, Agricultural Extension Service, was read to the group. In this letter, Dr. Blalock presented recommendations from specialists-in-charge and a representative group of county extension agents that future manuals be prepared in loose leaf form with revisions made through the year, perhaps quarterly.

After much discussion of the advantages and disadvantages of this proposal, the consensus of the committee was to continue the Manual as presently bound and handle publicity for changes in pesticide use recommendations as outlined in the SALS Agricultural Chemicals Advisory Committee's Operational Procedure for Processing Proposals for Changes.

While all committee members felt that the loose leaf form was desirable it was thought that initial higher costs and subsequent mailing and bookkeeping efforts involved to keep all holders of the Manual up-dated probably would not be justified for the changes which have occurred during the year in the past and these expected to occur in the future.

Gene Starnes indicated that Continuing Education could not financially back the initial change-over, especially since predictions of changes in sales due to the higher cost would be difficult to make. However, since extension did feel strongly that they needed loose leaf Manuals which could be kept up to date more readily, arrangements could be made to publish approximately 1,000 copies in this manner for extension's use and with extension's financial support.
Mr. Lee, Manager, Print Shop has estimated that preparation of an initial loose-leaf form of the Manual would be $2.80 per copy ($1.50 for printing, heavier paper, dividers, punching, and assembling and $1.30 for the binder). Printing costs for the 1970 Manual were $1.43 per copy. Estimates have not been made as to what the sale price of a loose-leaf Manual would have to be.

Since the July meeting, Dr. Blalock has discussed the situation with me and has indicated a willingness to attend our next meeting and present further comments on their needs and recommendations. I plan to invite him to our next meeting.

Departmental representatives are reminded that October 15 is the deadline for having final and acceptable (see Editorial Policy) copy turned in to the Chairman for the 1971 Manual. I would suggest that you immediately start processing changes or additions that need approval of the SALS Advisory Committee.

ADW: sk
Enclosure
cc: Dr. T. C. Blalock
    Dr. K. R. Keller
    Dr. K. L. Knight
    Dr. D. E. Ellis
    Dr. P. H. Harvey
    Dr. F. J. Hassler
    Dr. C. W. Donoho, Jr.
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AGRICULTURAL CHEMICALS ADVISORY COMMITTEE
SALS

Operational Procedures for Processing Proposals for Changes in Pesticide Use Recommendations

Any faculty member of SALS may submit proposals for changes in pesticide use recommendations. Other changes may result from actions taken by federal and/or North Carolina regulatory agencies. Three categories of changes are defined, as follows:

Category I - Deletions

Two kinds of deletions are recognized.

A. Current used that are jeopardized by cancellation of federal and/or state registration.

B. Current uses that are regarded as obsolete, the continued recommendation of which would not serve the best interests of the farmers or people of North Carolina, even though such uses conform to federal and state laws.

Category II - Modifications

This category pertains to changes in current uses designed to achieve desired benefits, such as improved effectiveness, lower cost, greater safety and convenience, etc. This includes changes in formulation, methods of application, treatment schedules, etc., so long as they are consistent with State registrations.

Category III - New Uses

This category includes new chemicals or an extension of the use of existing materials to additional crops or animals or to different target organisms.

Operational Procedures

Category I-A

Any announcement of cancellation of a pesticide use registration, whether through the press or by direct communication between a regulatory agency and any member of the SALS faculty, should be brought to the attention of the Pesticide Coordinator as soon as possible. He in turn will refer the matter to the Advisory Committee for action. Ordinarily this will be only a formality, but by this means changes will become a matter of record for SALS.

Category I-B

1. Proposals for deleting a legitimate use with a written justification for such action shall be submitted to the Pesticide Coordinator.
2. The Coordinator will inform the SALS Administration, Department Heads, Specialists in Charge and members of the Advisory Committee by form letter that such a proposal is pending and give them an opportunity to submit opinions. Ordinarily a one-week period will be allowed for reply.

3. The Coordinator shall then refer the proposal and such opinions as may have been received to the Advisory Committee for consideration and action.

Category II

So long as they are consistent with State Registrations, these modifications shall not require action by the Advisory Committee. However, they should be submitted to the Coordinator so that they become a matter of record for SALS.

Category III

1. Proposals for new uses shall be submitted to the Coordinator with written supporting evidence. The latter ordinarily will consist of a statement of need for the proposed use, the status of federal and state registration, supporting data from tests conducted in North Carolina and/or elsewhere, formulation and method of application, relative effectiveness, residue and toxicological data, and the extent of anticipated use.

2. Upon receiving the proposal, the Coordinator will inform the SALS Administration, Department Heads, Specialists in Charge and members of the Advisory Committee by form letter that such a proposal is pending to give them an opportunity to submit opinions. Ordinarily a one-week period will be allowed for reply, but in urgent cases, a shorter period may be specified.

3. The Coordinator shall then refer the proposal and such opinions as may have been received to the Advisory Committee for consideration and action.

Special Considerations

A. After the Advisory Committee has acted on a proposal under Categories I-B and III, a copy of the file and a report will be submitted to the SALS Administration for final action. If the position of the Advisory Committee is not unanimous, the report may contain a majority opinion and one or more dissenting opinions. The Administration may approve, disapprove or refer the matter to the Advisory Committee for further study. If approved, the proposal becomes the official position of SALS.

B. Any change in pesticide use recommendations arrived at by the above procedures becomes a revision in the Agricultural Chemicals Manual.

Announcement of Changes

A. In some instances, the SALS Administration may wish to issue a special announcement in writing to certain interested parties.
B. The Pesticide Coordinator may announce changes to those on his mailing list which includes members of the SALS Administration, Department Heads, Specialists in Charge and members of the Advisory Committee.

C. Further notification of actions will be the responsibility of appropriate subject matter and/or commodity specialists.

D. Announcement to other users of record of the Agricultural Chemicals Manual may be made by the Coordinator.

E. Public announcements may be handled by the Advisory Committee.
EDITORIAL POLICIES FOR N. C. AGRICULTURAL CHEMICALS MANUAL - 1971

1. The Agricultural Chemicals Manual is to be considered as a reference rather than educational publication. Consequently explanations should be at a minimum to maintain clarity and brevity.

2. Every effort should be made to present only tabular material and to make tables consistent within themselves.

3. Responsibility for accuracy and correctness of technical materials rests wholly with the authors of the respective sections.

In addition, certain modifications and new uses of agricultural to be included in the Manual must be submitted for consideration and action by the Agricultural Chemicals Advisory Committee in accordance with the Dean's policy statement.

The operational procedures for processing proposals for changes in pesticide use recommendations are appended to this policy.

4. Previous experience has clearly shown clean copy going to the printer results in savings of time and money. Poor copy has always resulted in excessive and unwarranted corrections. Only ribbon copy or appropriate pages from the previous year's Pesticide Manual will be accepted. Do not use "reprints" from the Manual.

a. Changes in tables should be made by placing at appropriate places in the table, ribbon copy containing all table headings and the corrections in the appropriate spaces under the typed headings. The ribbon copy headings then can be deleted by the editors and the printer can clearly see which block (s) contain corrections.

b. An alternative method of making minor changes is to cross out section to be changed, clearly mark with a number such as "Change No. 1", and in the margin or on a separate sheet of paper type the charge keyed to the proper number.

5. Choose table headings and subheadings for clarity being careful not to repeat them in the body of the table. For example, use simplest column heading for rate that will cover most of items in column such as "Lb. a.i./A" or "Lb. a.i./100 gal water".

6. Use the singular number of abbreviations. For example, the abbreviations, lb., oz., pt., and qt., are both singular and plural. Use singular for crops where applicable.

7. Footnotes, numbers, and asterisks should be placed after the appropriate word and not at the end of the sentence unless it refers to the entire sentence. Footnotes should be of minimal length and in size of type appropriate for footnotes. In a table covering several pages, footnotes should appear at the bottom of each page on which reference to them appears, rather than only at the end of the entire table.

In an effort to attain consistency in the Manual, for new copy or in revision use a superscript small letter for footnotes.
8. In the body of the table, use the virgule (/) for "per" "to", and "to each".

9. Use "to" to replace the hyphen in "5-8-day intervals" and "1-2 pt." thus, "5 to 8-day intervals" and "1 to 2 pt".

10. Galley proof should be corrected using a soft, sharp pencil (not ink) using appropriate proofreader's marks as attached.

11. Authors in cooperation with the departmental representatives must adequately index pertinent material in their respective sections and tables.
August 28, 1970

Dr. T. C. Blalock
Ricks Hall
Campus

Dear Dr. Blalock,

This will confirm the invitation, given by phone, for you to appear as a speaker on the opening session of the 1971 Agricultural Chemicals School. This invitation is confirmed on behalf of the program committee.

We suggest as a subject matter area "a reemphasis of purposes and responsibilities of North Carolina State University in distributing research results and making recommendations". That seems a little long for title. I would appreciate suggestions for a different one. Or, if you think some other points would be better or more appropriate, we welcome suggestions.

At this point we have tentatively allocated 10 minutes for you. This could be extended to 15 minutes if you need it. The exact time is not known presently, but will be around 10:00 a.m., Monday, January 11, 1971. We will establish the exact time during late September.

If you have any questions or comments, please let me know.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS: sb

Responsibilities of NCSU in Pesticide
Recommendations

The University of North Carolina, William Friday, President, comprises: North Carolina State University at Raleigh, the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, and the University of North Carolina at Charlotte.
Dr. T. J. Sheets, Director  
Pesticide Residue Research Laboratory  
Department of Entomology  
N. C. State University  
Box 5215  
Raleigh, North Carolina  27607

Dear Dr. Sheets:

Thank you for your kind letter of August 10 letting us know about your Agricultural Chemicals School. We are going to run announcements of this in our forthcoming Newsletters, and in other ways will urge that our folks attend this important meeting. As you know our group attends this meeting very well, especially those located in North Carolina, so we will be looking forward to taking part in it. Meanwhile, with very best wishes to you and your associates, I am

Sincerely yours,

Bill LaRue

BL/mes
MEMORANDUM TO: T. J. Sheets
FROM: David E. Davis


1. Bird problems in North Carolina by T. L. Quay. The status of birds as pests has not been reviewed for several years and many problems or pseudo-problems need discussion. Dr. Quay will attend, in September, a bird control symposium at Bowling Green State University and thus will be up-to-date. I strongly recommend this item for the program.

2. Mouse populations are still with us. It may be useful to have Mr. Harke (Fish and Wildlife Service) or Dr. Hayne or me review the current situation.

cc: T. L. Quay
MEMORANDUM

TO:        J. V. Baird
C. N. Clayton
D. E. Davis
W. M. Lewis
C. H. Miller
R. L. Robertson
M. E. Starnes

FROM:   T. J. Sheets

SUBJECT: Program for 1971 Agricultural Chemicals School

It is time to be developing the program for the 1971 Agricultural Chemicals School. Would you prepare the program for your area and return the proposal to me by September 15, 1970. Some of you will need to collaborate. Our deadline for the printer is October 1, 1970.

TJS/bf

cc:  R. E. Cook
     C. W. Donoho, Jr.
     D. E. Ellis
     P. H. Harvey
     F. J. Hassler
     K. L. Knight
     I. D. Porterfield
     A. D. Worsham
Mr. Bill LaRue, Executive Secretary
Southeastern Pesticide Formulators Association
Post Office Box 1623
Raleigh, North Carolina 27602

Dear Bill:

The annual meeting of the "Agricultural Chemicals School", formerly known as the Pesticide School, will be held on January 11 and 12, 1971 at the Sir Walter Hotel in Raleigh. We would appreciate your announcing this meeting in forthcoming issues of your NEWS publication.

The school is designed primarily to 1) present the latest research data and recommendations for fertilization and for control of weeds, insects, and plant diseases and 2) to review current problems and progress in the fields of pesticides and fertilizers.

In conjunction with the school the North Carolina Agricultural Chemicals Manual is published annually.

Sincerely yours,

T. J. Sheets, Director
Pesticide Residue Research Laboratory

TJS/bf

cc: G. T. Weakman
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