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A

AAN Publishes Nationwide Nursery Stock Locator Guide (ns) Nov. 24

Accounting and Sales, How Much Profit Are You Losing? (fa) by J. L. Shopen Sept. 12

Accounting: Bob's Lawn Winners Customers and Awards (ns) Aug. 30

Advertising, Retail, AAN Presentation (cr) Sept. 33

Advice, Follow Your Own (L) May 10

Aerial Applicators See Increased Importance In (ns) Jan. 30

Air Pollution, Where There's Smoke There's Fire (fa) by J. L. Shopen Mar. 42

Aldrin, Dieldrin Called Essential for Nurseries (ns) Nov. 26

Algae, An Easy Way to Keep Pond Free of Algae (fa) Aug. 28

Algae, Total Lake Management (fa) by Hyland Johns Aug. 30

Algal Biological Control, How Approaches Problems, Urban, Industrial Weed Control (fa) Sept. 16

Alligatorweed, Arkansas Survey Sizes Up (ns) Oct. 33

Alliachalos, Alabama Increases Publication (cr) Mar. 49

American Association of Nurserymen, Best in Landscaping During 1970 (fa) Dec. 18

American Association of Nurserymen, Membership Rules Change (cr) July 24

American Association of Nurserymen, New Officers (ns) June 33

American Soc Producers, 4th Annual Conf. (cr) Sept. 34

Annual Deer Management Workshop (ns) Dec. 60

Applicator Bob Wright Tells How He Treats To Make a Profit (fa) by Robert G. Wright Oct. 16

Applicators School Successful (L) Feb. 41

Aquatic, Aquatic Weed, Arkansas Survey Sizes Up (ns) Oct. 35

Aquatic, Aquatic Weed, Research and Challenges Are Unique (fa) by F. L. Timmons June 24

Aquatic, Aquatic Weed Control, Private Ponds (ns) Aug. 16

Aquatic, Appreciates Coverage (L) June 6

Aquatic, Cattle Thrive on Hydrilla and Hyacinth (ns) June 10

Aquatic, Hydrida Seen As No. 1 Florida Pest (ns) Oct. 17

Aquatic, Hydrida Seen As No. 1 Florida Pest (ns) Oct. 17

Aquatic, Total Lake Management by Norman S. Schen May 42

Aquatic Weed Control, Role of Herbicides (fa) by Jason Cortell Feb. 23

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Aquatic Weeds, Laser Attack (fa) Mar. 10

Aquatic, Weed Control, Role of Herbicides (fa) by Jason Cortell Feb. 23

Aquatic, Weed Control, Role of Herbicides (fa) by Jason Cortell Feb. 23

Aquatic, Weed Control, Role of Herbicides (fa) by Jason Cortell Feb. 23

Aquatic Weed, Weed Service Company (ns) June 12

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Arborists Soak Up Ideas and Sunshine At February Annual Meeting Apr. 38

Arizona Public Service, There's More Than Power In (fa) May 12

Arkansas Survey Sizes Up Aquatic Weed (ns) Oct. 35

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Asphalt Tree Expert Company (fa) by Gene Ingalls Aug. 30

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Asphalt Field Test Not Offered on Turf For (ns) Sept. 25

August EditorialLiked (L) Oct. 20

August Issue, Thanks (L) Oct. 20

(Awards), Best in Landscaping During 1970 (ns) Dec. 11

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Black Mountain Test Fertilizers and (fa) by Ross Taylor Oct. 15

Bigfoot, Beetle Eats Aquatic Weed by Robert N. Hambrick (fa) Sept. 14

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Bigfoot, Beetle Eats Aquatic Weed by Robert N. Hambrick (fa) Sept. 14

Black Mountain Test Fertilizers and (fa) by Ross Taylor Oct. 15

Bluesgrass Billbug, Sevin With One Blow Kills Lawn-Devastating Trio (ns) Mar. 34

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Bottineau, ND, Erosion Control, Seven Goals To Prescription (fa) by Hyland Johns May 22

Bucket Opener, Receive Error In (L) Aug. 14

Bucet Rescue, Equipment, How To Treat Your (L) Oct. 20

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(Business), Hertigcides For Beginners — (fa) by E. L. Watson Feb. 6

(Business), 2nd National Sod Survey (ns) Nov. 17

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California Botanist Defends 2, 4, 5-T (L) July 6

California, Certified Nurseryman Program Under Way In (ns) May 29

California Weed Conference, 22nd Annual (cr) Apr. 24

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Campe Tree Service Acquired by Davey Tree (ns) Sept. 23

Cane Fly, USDA Bans Uses For (ns) Aug. 12

Chadwick, Dr. L. C. Tree Industry Outlook (fa) Dec. 14

Chicago, Increasing Pest Pressure On Trees (ns) Jan. 42

Chemical Maintenance, Inc., Weeds Are Losing A Bid For Their Turf (ns) Dec. 10

Chemicals, Herbicides (fa) by J. L. Shopen Jan. 27

Chemists Find Additives That Break Down (ns) Aug. 37


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57
insect report

TURF INSECTS

FALL ARMY WORM (Spodoptera frugiperda)

ALABAMA: Larval infestations reoccurring in scattered lawns and sports fields in Chilton and Henrery counties.

A MARCH FLY (Dichopus orbatus)

CALIFORNIA: Counts of 250 per square yard on dichondra lawns at Rialto, San Bernardino County; at Berkeley, Alameda County; and at Richmond; Contra Costa County. Many homeowners concerned about mass populations of flies entering premises. Unusually abundant this fall.

INSECTS OF ORNAMENTALS

A PYRAULID MOTH (Hybiliae puera)

FLORIDA: Larvae infested all 300 plants of black calandiva (Cresscentia spp.) in nursery at Lauderdale Lakes, Broward County. This is a new host record.

AN APHID (Liosomaphis berberidis)

IDAHO: Nymphs medium on Oregon-grape at Twin Falls County. This is a new state record.

A PIT SCALE (Cecroecios deklei)

FLORIDA: Severeley infested all 3,090 hibiscus plants in nursery at Miami, Dade County.

AUTHORS

Brinkman, Grover "Land of the Tree Giants" Nov. 36
Brown, A., "Beauty, Upkeep, Status, Praise" Mar. 18
Turf Irrigation June 20
Cortell, Jason M., "The Role of Herbicides" June 20
Dickson, Edward C., "A Case for Arsenic" Mar. 20
Gentry, Bill, "Bill Colburn's Weed Machine" May 30
Gentry, Bill, "Have Shady Grove — Will Travel" Apr. 30
Gray, Thorne, "2,4,5-T Issue Phoney," May 30
Saunders, J. L., "Cooley Spruce Gall Aphid: Small, with Big Problems" July 30
Speer, Lou, "Greenbelt Communities" June 30
Speer, Lou, "It's Still Alive" Dec. 30
Wright, Robert G., "How He Tries to Make a Profit" Feb. 16
Wehrle, Ted, "Irrigation by Computer?" No. 18

TREE INSECTS

DOUGLAS-FIR TUSSOCK MOTH (Hemerocampa pseudotsugata)


SMALLER EUROPEAN ELM BARK BEETLE (Scolytus multistriatus)

MISSISSIPPI: Moderate to heavy on Nuttal oak in Sharkey County. Massachusetts: R. cinerella (oak skeletonizer) larvae and pupae still causing many complaints statewide.

LYONETID MOTHs (Bucculatrix spp.)

MISSISSIPPI: Moderate to heavy on Nuttal oak in Sharkey County. Massachusetts: R. cinerella (oak skeletonizer) larvae and pupae still causing many complaints statewide.

BLACK TURPENTINE BEETLE (Dendroctonus terebraneti)

MISSISSIPPI: Much damage in areas affected by Hurricane Camille, especially in coastal suburbs where heavy equipment removed debris. LOUISIANA: Heavy in large pole-sized lobolly pine in Catahoula District.

VARIABLE OAK LEAF CATERPILLAR (Heterocampa Manteo)

ARKANSAS: Larvae, mainly this species, secondarily H. guttivitta (saddled prominent), and other species, defoliated 2.5 million acres of hardwood. About 1.5 million acres had moderate to heavy defoliation. Oaks most heavily defoliated.
STEVEN D. ROGERS succeeds CLARKE H. STAPLES as turf equipment specialist for Jacobsen Manufacturing Co. Staples was promoted recently to assistant general manager of Jacobsen's Division at Olathe, Kan.

TUCO, Division of The Upjohn Co., has reorganized its agricultural chemical marketing. William C. Haskett has been named marketing manager; Rocco Lipari, product manager; O. B. (Buzz) Lewis, national sales manager.

In a separate announcement, James H. Smith has been named TUCO agricultural chemicals salesman for metropolitan New York, Maine, New Hampshire, Connecticut, Vermont, Rhode Island and Massachusetts.

VELSICOL CHEMICAL CORPORATION has announced three management changes. Thomas C. Zinninger is the new general manager of agricultural activities. He is responsible for the commercial development and marketing of chemicals in the domestic agricultural, pest control, and home, lawn and garden markets. Neil R. Mitchell has been promoted to secretary and general counsel. Alex Saucedo moves up to manager of pesticide products for the northeast region.

ENVIRONMENTAL INDUSTRIES, INC., Encino, Calif., has announced three new management positions. Robert Scofield is general manager of the EII division, Environmental Care, Inc. Robert L. Curtis is president of Valley Crest Landscape, Inc., a wholly owned subsidiary. Paul E. Soil heads up a new corporate development department.

RICHARD P. FRENCER is the new technical sales representative for agricultural products and services in Union Carbide Corporation's western region.

R. E. "ED" BROWN of Goochland Nurseries, Pembroke, Fla. is the elected president of the Horticultural Research Institute.

INTERNATIONAL CESSNA 170 ASSOCIATION has elected this leadership for the coming year: President—William Wehner of Davenport, la.; secretary-treasurer—Berwyn Henderson, Canton, Ill.; vice-president—John Collins, Richardson, Tex.; historian—Ryan B. Seals, Richardson, Tex.; directors—John Benham, Russ Noble, Tommy Pratt, and Cleo Bickford.

ROHM AND HAAS COMPANY, Philadelphia, announces changes in its agricultural and sanitary chemicals department. J. E. Thompson becomes manager of the Texas sales district, including Louisiana, Oklahoma and New Mexico. R. L. Cheves moves from assistant to product manager of agricultural pesticides. J. S. Harmon becomes assistant product manager for agricultural fungicides, miticides, and ammonium sulfate. E. H. Boeckel becomes assistant product manager for agricultural herbicides, insecticides and emulsifiers.

WILLIAM F. (BILL) SHEAR has been appointed manager of the Los Angeles zone for the Allis-Chalmers Industries Tractor and Equipment Division.
Norman Sachnik, president of Mano Co., Houston, demonstrated his Foamicide equipment. Foam is produced by using Foamwet surfactant and a specially designed foam generator. The generator consists of a nozzle assembly that includes air intake holes. Spray velocity pulls in air through the holes and mixes it with the solution to create the foam. Advantages, Sachnik said, are that less water is required; improved coverage is obtained; longer contact on the leaf surface is achieved and consequently giving better herbicide efficiency; and drift hazard is reduced.

**Texas Weed Conference**

**FACTORS AFFECTING WEED CONTROL**

**MAN IS ACTING** under a "God-given right" to seek better ways to do things, yet people in the pesticide field are often apologetic and assume a defensive attitude, Dr. Roland Laning of Dow Chemical Company told the fifth Texas Industrial Weed Control Conference.

A part of man's right to improve his position in the world, Dr. Laning asserted, is environmental management, a duty and responsibility "that is a good thing . . . and we should be proud of it."

Many of the current critics have never experienced the hardships of earlier generations, continued Laning, manager of Dow's herbicide field research and development. They do not catch the significance, for example, of the grower who advertises that his apples are "safe to eat in the dark."

In industrial weed control, some uppermost objectives are safety and convenience, he said. Yet the dilemma can be characterized by people who don't want electric outages and also don't want the kind of "scar" across the land necessary for transmission lines.

Dr. Laning expressed solid support for continuing research to monitor the effects of pesticides, but "I would argue strongly with the interpretations" of some recent findings.

To be consistent with the public reaction and subsequent governmental restrictions on 2,4,5-T, he said, there is basis for action against Vitamin A. Given in a dosage 100 times greater than the prescribed rate, Vitamin A has been known to cause mammals to give birth to deformed offspring, he said.

One pound of salt used improperly can kill five men, he added. One pound of salt on an acre of land won't harm any animal life. Neither will 2,4,5-T, he said.

Laning's address set the scene for the first full day of the increasingly popular and somewhat unique three-day event on the campus of Texas A & M University. A record 150 professionals attended, coming not just from Texas but from the entire Southwest. The conference is heavy on discussion of practical problems and perhaps is the only one of its kind devoted solely to industrial weed control. Programming is conceived by a steering committee of...