

# Business Newsletter . . .

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## On the Pest Control Front

Florida citrus growers will be reimbursed from state funds for loss of good trees in war on nematodes responsible for "spreading decline." Most effective control now is removal of trees, followed by soil fumigation. State will help defray high cost of this treatment, while pushing search for a more economical **chemical control**. . . **Eli Lilly & Co.** has launched commercially its **new hog wormer Hygromix**. Just cleared by FDA for use in swine feeds, the material—based on Lilly-developed antibiotic hygromycin—is added to feed at five pounds per ton to **control large intestinal roundworm, nodular worm, and whipworm**. . . USDA has certified usefulness of **Dowicide A** (Dow's sodium *o*-phenylphenate) for **mold control on pineapples**. . . **Chas. Pfizer & Co.** has been granted patents on its Agri-mycin 100 and Agri-mycin 500, both containing **synergistic combinations of streptomycin and Terramycin**.

## NPFI, MWSIC Discuss Merger

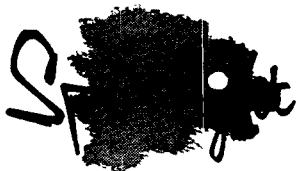
Middle West Soil Improvement Committee is studying proposal that it **merge with National Plant Food Institute**, to become NPFI's midwestern regional arm for **expanded educational and promotional programs**. MWSIC's membership will be asked to vote on merger question at its October meeting.

## Activity in Fertilizer Materials

With high cash bid of \$1,867,340, **National Potash** has secured from Department of Interior **potash lease on 1840 acres** of public land near Carlsbad, N. M. . . **Victor Chemical** has acquired from Federal Chemical its **phosphate ore washing plant**, plant site, and 2700 acres of **phosphate lands** near Mount Pleasant, Tenn. Victor operates four electric furnaces at Mount Pleasant, and is now building there a plant for organophosphorus compounds. . . BDSA estimates **recoverable potash reserves in Canada's Saskatchewan fields at 100 billion tons**—almost double known reserves in New Mexico. . . **International Minerals** claims record for **largest single delivery of plant food to an individual**, after shipping 700 tons of **powdered rock phosphate** to the Arthur Stieren ranch near Nixon, Tex. . . **African Explosives & Chemical Industries** has awarded **Chemical & Industrial International** contract for 150-tons-per-day high pressure **nitric acid plant**, to be integrated with existing facilities near Johannesburg, South Africa.

## Repeive for Yellows 1, 2, 3, and 4

Food and Drug Administration has issued orders **staying removal of FD&C Yellow Nos. 1, 2, 3, and 4** from list of colors certifiable for use in foods, drugs, and cosmetics. Also stopped is an amendment changing the definition of "coal tar color." In each case, industry had protested the proposed changes, and requested public hearings. **FDA will announce hearings** to deal with each order.



● Weather was the controlling factor in the 1957 pesticides season, AG AND FOOD's field editors found (**page 656**). Heavy rainfall delayed buying in the West (**page 656**); varied weather pattern gave the South a spotty market (**page 658**); heavy rains in the Midwest kept insect populations low, but caused prolific weeds (**page 659**); the East's drought cut volume, but a more stable market brought improved profits (**page 661**).

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**PENTA CONCENTRATE 40**  
**DESICCANT L-10**

\*Endothal is the accepted generic name for 3, 6-endoxohexahydrophthalic acid. The manufacture and use of endothal products are covered by one or more of the following U. S. patents: 2,550,494; 2,576,080; 2,576,081; 2,576,083; other pats. pend.

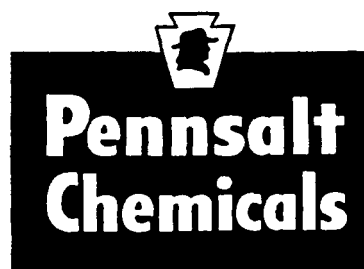
THROUGH pioneering research and development of defoliants and desiccants, PENNSALT has become a leader in this field of agricultural chemicals. Because chemical harvest aids make harvesting easier, more economical and, therefore, more profitable, the use of these products is rapidly increasing. Through technical development, PENNSALT is constantly striving to improve its widely used defoliants and desiccants. In the meantime, in seeking a *perfect* defoliant, several candidates are being field tested. The newest one is PENCO DESICCANT L-10, which is available this season for use on cotton.

So, for increased sales and profits, stock the broad line of PENCO defoliants and desiccants. Write your nearest PENNSALT CHEMICALS office for service bulletins.

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# Research Newsletter . . .

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## ET-57 for Botfly Control

Dow Chemical's **systemic, ET-57, controls nasal botflies** in sheep, USDA says. ET-57 was earlier found to be effective for controlling cattle grubs. Although not yet ready to recommend ET-57 for botfly control, USDA says it was **100% effective in killing first instars** of botfly in all of the test animals except one, and **60%** effective against second instars. Saponated cresol is widely used control method at present, but it is more difficult to administer than ET-57, which can be given orally.

## Crash Program on Insect Resistance

Urgent plea for a crash research program on insect resistance came from the World Health Organization's recent Geneva Technical Conference on Insect Resistance. Said the conferees: The dynamic nature of **insect resistance may soon involve the world in an emergency**; 38 species of insects are already resistant to DDT. Among the resistant species are vectors of malaria, plague, and typhus. Suggested lines of research: genetics, physiology, biochemistry, ecology, and **development of new insecticides**.

## Selenium Important in Chick Diets

American Cyanamid scientists say a small amount of **selenium is important in the nutrition** of young chickens. As little as one part in 10 million in the diet, they report, produces a beneficial effect **similar to that produced by vitamin E**. Selenium can be toxic in concentrations as low as one part in 100,000. Similar findings have been made at the National Institutes of Health.

## FDA Asks More Pay for Scientists

The Food and Drug Administration has asked Congress for authority **to establish three higher-salaried scientific positions**. The proposed bill would permit salaries between \$12,500 and \$19,000. Some other government agencies have already received similar authority, to assist in **effort to keep scientists** offered higher pay by private industry.



- Trichloromethylarenethiolsulfonates found to be highly effective fungicides by Tennessee Corp. research (**page 672**)
- Dalapon herbicide found completely safe for use on sugar cane—no residues found in cane treated at rate of 5 to 7 pounds per acre (**page 675**)
- After only one hour of denning, fresh superphosphate can be ammoniated and granulated by new process (**page 682**)
- Sterilizing fermentation media with cobalt-60 instead of heat can increase rate of product formation (**page 706**)

# “A complete chain of ‘EXTRAS’— that’s why we use International’s Triple,”

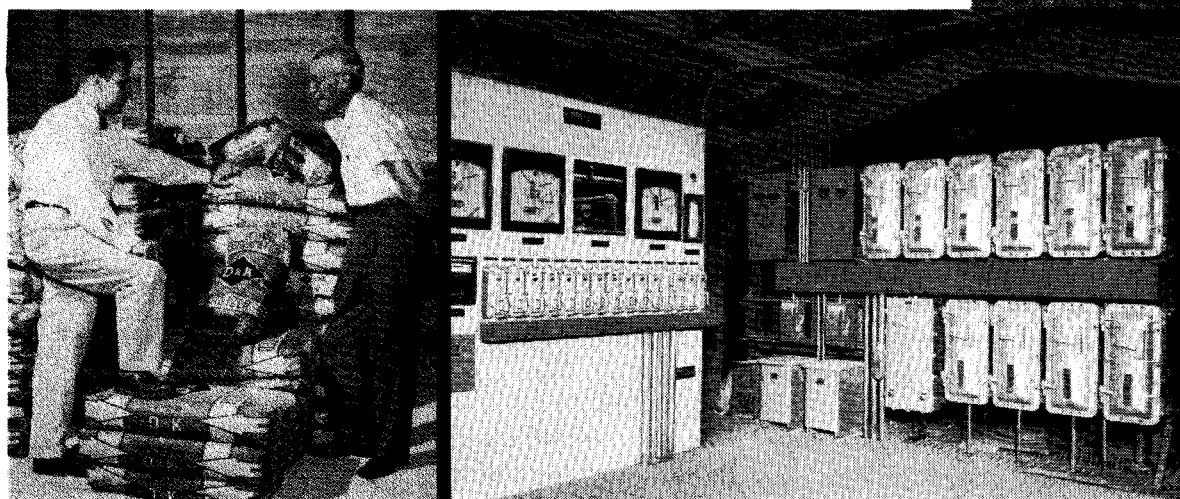
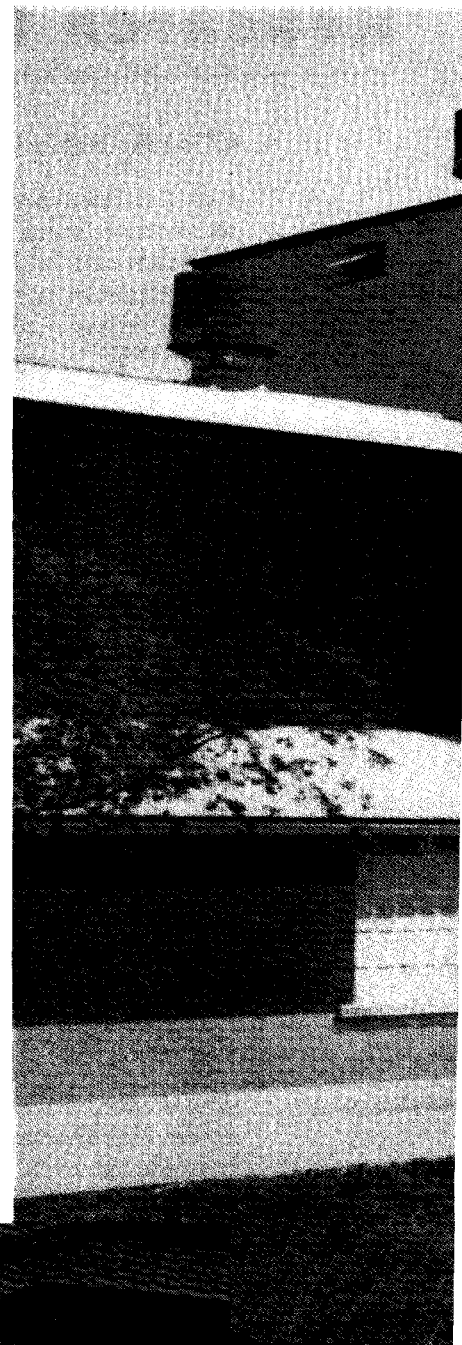
says E. D. KINGSBURY, of Kingsbury & Company, Inc., Indianapolis

**M**ORE and more fertilizer manufacturers like E. D. Kingsbury find International supplies far more than a superior product. “We like the way International emphasizes research, develops new products, pioneers new approaches to shipping and technical service. These are all ‘EXTRAS’ that are reflected in savings when we buy International Triple.

“Consistency in high analysis and the particle size of the product also contribute to savings in formulation and granulation.

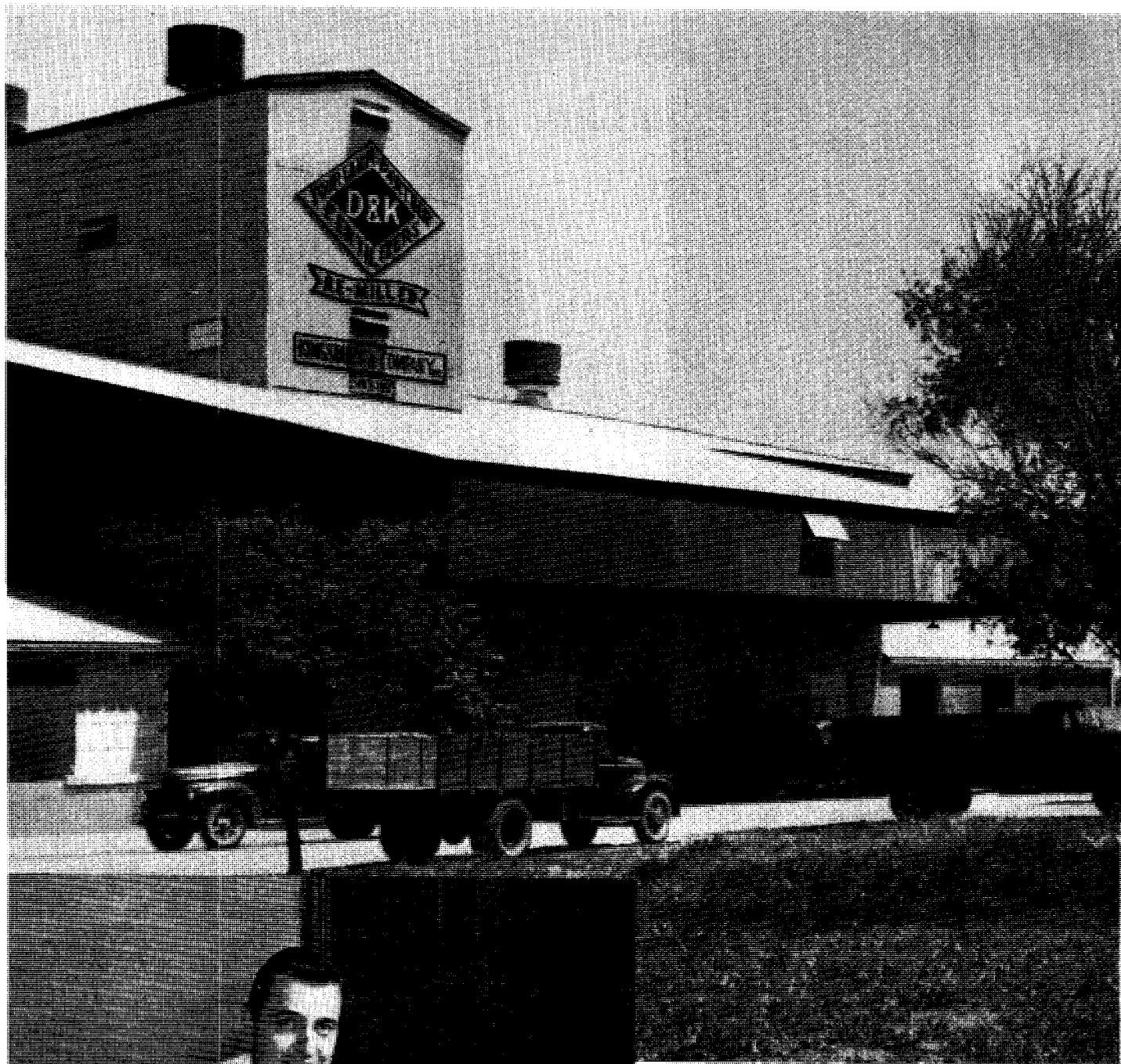
“In addition, International’s good scheduling is very important in the height of the season. The best ingredients in the world are worthless to us if they aren’t in our plant on schedule.”

(You can realize similar savings in time, handling, formulation and granulation. Write or wire for details.)



Vice President E. D. Kingsbury, left, and Plant Superintendent W. N. Brinson report: “International’s consistency of product and ease of handling prove important to our production.”

Typical of the Kingsbury pace in modernization is this multi-control panel giving one man complete command over machine speed, material flow. The 60-year-old D & K line includes 15 grades of commercial fertilizer.



The Kingsbury organization gears customer service to the same efficient scheduling and fast delivery they insist from suppliers. At the Peru, Indiana plant ample dock space and modern facilities keep D & K buyers on top of field operations.

Vice-President E. D. Kingsbury (at left) along with his father, President George H. Kingsbury handle management duties at both Indianapolis and Peru plants.

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