

Industry News

The EPA Special Review of captafol initiated 9 January 1985 has been terminated because all captafol product registrations have been voluntarily withdrawn. (Federal Register 52[140]:27576-27578, 22 July 1987)

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The proposed tolerance for the combined residues of benomyl and its metabolites in or on pistachios is 0.2 ppm as petitioned by IR-4. (Federal Register 52[145]:28313-28314, 29 July 1987)

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The 1986 Industry Profile Study by the National Agricultural Chemical Association revealed the following:

- The 33 respondents had U.S. sales of \$4 billion in 1986.
- Of this total, 64% resulted from herbicide sales, 25% from insecticide sales, and 7% from fungicide sales.
- Reporting companies obtained first full registrations on nine products in 1986. Twenty-one compounds were submitted for registration in 1986.
- Research expenditures for new products in 1986 were \$454 million. Product line expansion accounted for \$126 million and registration and product defense expenditures for \$111 million.
- Research expenditures dedicated toward herbicides were 52% of the total, insecticides 21%, fungicides 13%, PGRs 5%, nematicides 1%, and biotechnology products 5%.
- Total elapsed time from discovery to first commercial registration was 7.5 years.
- Average cost incurred from discovery to first commercial registration for all new products was \$28.1 million.
- Average number of compounds screened for each successful commercial registration was 13,500.

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APHIS has reviewed a protocol submitted by the Monsanto Company for field testing of genetically engineered disease-resistant tomato plants. It concluded that the plants, which have been altered by the addition of a single gene (coat protein) from tobacco mosaic virus, do not present a risk of plant pest introduction or dissemination. (Federal Register 52[152]:29403-29404, 7 August 1987)

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The following new fungicidal active ingredients have been registered by the EPA since 1976:

BASF Wyandotte Corp.	vinclozolin (Ronilan)	11 February 1981
CIBA-GEIGY Corp.	metalaxyl (Ridomil)	12 June 1981
	propiconazole (Tilt)	14 August 1981
Elanco Products Co.	fenarimol (Rubigan)	13 November 1984
EM Labs	triforine (Funginex)	12 January 1976
Janssen Pharmaceutica	imazalil	18 July 1983
Mobay Corp.	triadimefon (Bayleton)	27 September 1979
NOR-AM Chemical Co.	propamocarb (Banol)	3 February 1982
Rhone-Poulenc Inc.	iprodione (Rovral)	19 January 1979
	fosetyl-A1 (Aliette)	2 August 1983

Salute to APS Sustaining Associates

This section is designed to help APS members understand more about APS Sustaining Associates. Information was supplied by company representatives. Each month different companies will be featured. A complete listing appears in each issue of *Phytopathology*.

American Cyanamid Company, Contact: Dr. P. K. Martin, Agricultural Research Center, P.O. Box 400, Princeton, NJ 08540; 609/799-0400. American Cyanamid is a global, high technology, research-based company founded in 1907, and it currently ranks among the 100 largest industrial firms in the United States. Annual sales exceed \$3.5 billion from agricultural, medical, chemical, and consumer product lines. The Agricultural Group serves crop and livestock producers and public health programs worldwide with technologically advanced, environmentally acceptable herbicides, insecticides, animal nutrition, and health products and fertilizers. We have recently introduced the first in a series of new chemical herbicides, the imidazolinones, which represent an entirely new class of chemistry. An expanding global agricultural research and development program has a number of additional significant new products under development.

BASF Corporation, Contact: Bryan R. Delp, Ph.D., Fungicide Specialist, 100 Cherry Hill Rd., Parsippany, NJ 07054; 201/263-5384. BASF Corp., a member of the worldwide BASF Group, brings over 100 years of experience and accomplishments to the agricultural field. Backed by a network of highly trained people in research, market development, sales, and management, BASF is helping in the world's vital struggle to produce high-yielding, high-quality food and fiber crops. As

a leader in agricultural chemical research around the world, BASF is firmly dedicated to the responsible development of agrichemicals for a growing world.

Buckman Laboratories, 1256 N. McLean Blvd., Memphis, TN 38108; 901/278-0330.

Calgene, Inc., Contact: Robert M. Goodman, Vice-President, Research and Development, 1920 Fifth St., Davis, CA 95616; 916/753-6313. Calgene was founded in 1980 to develop and commercialize new crop varieties and plant products through the use of recombinant DNA and related technologies. Calgene conducts research and development under contract with other corporations, in joint ventures, and on its own behalf. Calgene is developing new crop varieties with commercially useful traits. Product focuses are herbicide tolerance, improved carbohydrate metabolism, and altered vegetable oil biosynthesis. Calgene has successfully introduced an agronomically useful gene (herbicide resistance) into plants and has submitted an application to the USDA for permission to plant recombinant DNA-containing tobacco in California.

Cargill Hybrid Seeds, Research & Training Center - Blackberry Creek, Contact: James L. Dodd, Rt. 3, Box 751, Aurora, IL 60506; 312/892-4331. Cargill is actively involved in agriculture from the production of seeds to the processing of grain. Research ranges from development of new uses for agriculture products to development of new herbicides and varieties of corn, sorghum, wheat, sunflowers, safflower, and cotton. Use of genetics to control diseases of these crops is a major part of Cargill's international crop breeding efforts, and pathologists participate in each program. Seed from Cargill Seed Research is sold with the brand names of Cargill Hybrid Seed and Bounty Wheat.

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