

Vegetable Crops Update

Volume 5

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No. 3

Department of Horticulture
3190 Maile Way
Honolulu, HI 96822

* Virus-resistant Transgenic Rice *

RESEARCH AND INDUSTRY NEWS

Marketing Factoids

The first shipment of exported apples from the US to Japan arrived in January 1995, thanks to the hard work of the Washington State Apple Commission and the Washington apple shippers.

'95 US ag exports= \$45 billion.

'94 Japan imports of US veggies= \$450 million.

FY '95 US expected exports of fresh and processed veggies= \$2.3 billion (Grower Feb. 1995).

Hawaii Organic Farmers Association Seeks Farmers Interested in forming Organic Cooperative in Waialua

Kimberly Clark

HOFA is looking for farmers interested in forming an organic cooperative to obtain land in the Waialua area. The facility will include an educational program in certified organic standard techniques for different crops and systems, as well as a research facility to include certification issues and bioremediation of former sugar plantation soils. Farmers will be part of an internship program which will train them in these methods. The organic market in Hawaii and especially on Oahu is growing from direct substitution of imported organic produce. The next HOFA-Oahu meeting will be Thursday, May 25 at the UH Pearl City Urban Garden Center, 6:30 PM. We will be discussing the cooperative, as well as upcoming events. If you are interested, please contact Dr. Kimberly Clark at 956-8865.

"The first crop of transgenic, virus-resistant rice grown in an unconfined test plot has been harvested in Japan.

The harvest marks completion of a four-year environmental assessment conducted by the National Agricultural Research Centre and the National Institute of Agro-Environmental Sciences". (IPMnet news March 1995). <>

Renewable Ag Product Factoids
(as being researched by the USDA-AARC Center (Alternative Agricultural Research & Commercialization):

Nontoxic ethanol based windshield washer solvent
Lubricants from vegetable oils
Petroleum oilspill soaks made from wool
Ethylene glycol (antifreeze) from corn
Biodiesel
Newsprint from kenaf
Biodegradable concrete form release agent from rapeseed oil

RESOURCES

ENTOMOLOGICAL EQUIPMENT SOURCE
A mind-boggling array of insect traps, sampling gear, field support equipment, and pest management literature is available from BioQuip, a long-time, U.S.-based, full spectrum supply house. In addition to collecting devices, the firm also offers insect identification materials. A new, 148-page catalog covering

the all items has been published in 1995 (US\$2). For more information, contact: BioQuip, 17803 LaSalle Ave., Gardena, CA 90248-3602, USA. Phone: 01-310-324-0620. Fax: 01-310-324-7931. E-mail: <bioquip@aol.com>. <>

New Biocontrol Newsletter

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"A group of scientists at several midwestern U.S. Land-Grant universities has launched MIDWEST BIOLOGICAL CONTROL NEWS, a periodical designed to provide information "to help incorporate biological control solutions into pest management systems." The monthly's target audience is extension agents, crop consultants, landscape managers, and crop producers. The newsletter's first issue was published in September 1994. Funding is provided through a grant from the Integrated Pest Management Program of the U.S. Dept. of Agriculture. For more information, contact: S.E.R. Mahr, MBCN, Dept. of Entomology, Univ. of Wisconsin, Madison, WI 53706, USA. E-mail: <smahr@entomology.wisc.edu>. Fax: 01-608-262-3322. Phone: 01-608-262-9914." (IPMnet news March 1995)<>

Methyl Bromide Alternatives

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"Methyl bromide (MB), a toxic fumigant gas, is one of the world's widely used pesticides primarily for control of soil borne pests. For several reasons, including its role in strato-

spheric ozone depletion, there is growing pressure to phase out application of MB. The February 1995 issue [XVII(2)] of THE IPM PRACTITIONER offers a roundup of "Alternatives to Methyl Bromide in California Grape Production" in an extensive article by J. Liebman and S. Daar. The narrative offers a broad overview, emerging alternative practices, and a useful list of references. For information, contact: IPM Practitioner, PO Box 7414, Berkeley, CA 94707, USA. Phone: 01-510-524-2567. Fax: 01-510-524-1758" (IPMnet news March 1995). <>

EXTOXNET, an ad hoc consortium of four U.S. universities interested in promoting public education and outreach programs relating to toxicants in the environment, offers, among other things, one of the most extensive collections of pesticide-based information available--without cost via Internet.

A request for a Pesticide Information Profile (PIP) containing more information than most mere mortals ever wanted to know, for more than 140 compounds, or a factsheet, or any of several other products, receives a quick response when sent to the main computer server.

The December 1994 issue (vol. 14, no. 4) of ENVIRONMENTAL TOXICOLOGY NEWSLETTER contains a complete and detailed profile of EXTOXNET. For more information, contact the newsletter's editor:

A.L. Craigmill, Univ. of California, Davis,
CA 95616-8588, USA.

Phone: 01-916-752-2936. E-mail:
<alcraigmill@ucdavis.edu>.

Fax: 01-916-752-0903.

--excerpted from:
ENVIRONMENTAL TOXICOLOGY
NEWSLETTER,

14(4), December 1994.

<>(IMPnet news, Feb. 1995).

Least Toxic Products Listed

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A California based publication, THE
IPM PRACTITIONER, has
published vol. 16, number 11/12,
November/December 1994, as its
"1995 Directory of Least-Toxic Pest
Control Products," a 44-page
softbound compendium of products and
suppliers. The Directory is
organized under four management
sections: insects, plant dis-
eases, vertebrates, and weeds. All but
weeds contains species
sub-sections (though slugs and
nematodes are grouped under
"insects"!) which are further classified
into products for
"monitoring, physical controls, biologic
controls, and least-
toxic chemical controls." The term
"least-toxic" is not defined,
but is assumed to mean least toxic to
non-target organisms. For
more information, contact: BIRC, PO Box
7414, Berkeley, CA 94707,
USA. Phone: 01-510-524-2567. Fax:
01-510-524-1758. (IPMnet news Feb.
1995)

New Recommendations for Insecticides
in Canada

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The just issued 1995 REPORT OF THE
WESTERN COMMITTEE ON CROP
PESTS contains rates and notes for
pesticides recommended in
Canada to manage arthropod pests
attacking a wide range of field,
vegetable, and specialty crops, as well
as orchard crops. The
Report, available in hard copy (167
pages) as well as on disk-
ette, also covers: household pests, pests
of interior plantscapes
and house plants, mushrooms, berry
crops, shelter-belts, ornamental trees
and shrubs, seasoned wood and timber
structures,
turf, and warehouse and farm stored
grain. Additional material
provides information on hazards and
safeguards, product names,
economic thresholds, bee safety, and
research references. For
more information: D. Johnson, Editor,
Western Committee on Crop
Pests, Agriculture and Agri-food
Canada Research Centre, P.O. Box
3000 Main, Lethbridge, AB T1J 4B1,
CANADA.
E-mail: <johnson@abrsle.agr.ca>.
<>(IPMnet news Feb. 95)

The findings of an assessment report,
"The Importance of Plant
Disease Management in U.S. Production
of Leafy Green Vegetables," Copies of
the assessment report can be obtained
from: G. Hamilton, Rutgers Cooperative
Extension Pesticide Office, 101 J.B.
Smith Hall, Cook Campus Box 213, New
Brunswick, NJ 08903-0231, USA.
Phone: 01-908-932-9801. Fax: 01-
908-932-7229.<>

UPCOMING EVENTS

ASHS Seminar on Greenhouse tomatoes, 3-4 Aug., 1995. Radisson Gouverneurs Hotel, Montreal, Quebec, Canada. For information contact ASHS Seminar, 113 S. West St. Suite 400, Alexandria, VA 22314-2828, Fax 703-836-2024.

6-10 August 1995, THIRD INTERNATIONAL CARIBBEAN CONFERENCE OF ENTO-

MOLOGY, Cariari Hotel, San Jose, COSTA RICA. Held in conjunction with the 78th Annual Meeting of the Florida Entomological Society. Contact: R. Mizell, IFAS, Univ. of Florida, Agricultural Research Center, Rt 4, Box 4092, Monticello, FL 32344, USA. Phone: 01-904-997-2596. Fax: 01-904-997-8178.

E-mail: <RFM@gnv.ifas.ufl.edu>

1995 International Symposium on Soil and Plant Analysis, Quality of Soil and Plant Analysis in view of Sustainable Ag. and the Environment, 5-10 Aug. 1995, Wageningen, the Netherlands. To register contact the International Agr. Ctr., POB 88, 6700 AB, Wageningen, the Netherlands, Tel. 31-8370-90287, Fax 31-8370-18552.

IR-4 Food Use Workshop, 6-8 Sept, 1995, Clarion Plaza Hotel, Orlando, Florida. Extension personnel, commodity growers, and agrichemical company personnel are encouraged to attend for Weed, Entomology, and Plant Pathology 1-day sessions. To register (\$35) call Cheryl Ferrazoli at IR-4 Headquarters, 908-932-9575. For hotel reservations (\$35 per night) call the hotel at 407-352-9700.

12-16 August, 1995, AMERICAN PHYTOPATHOLOGICAL SOC. ANNUAL MEETING,

D.L. Lawrence Convention Ctr., Pittsburgh, PA, USA. Contact: APS, 3340 Pilot Knob Road, St. Paul, MN 55121-2097, USA. Phone: 01-612-454-7250. Fax: 01-612-454-0766.

Annual Meeting of the Association for the Advancement of Industrial Crops, 21-22 Oct., 1995, Adam's Mark Hotel, Indianapolis, IN. Preceding the Third National Symposium on New Crops, New Opportunities, New Technologies. For questions about the program contact Wayne Coates at tel. 520-741-1691, fax 520-741-1468. For registration (\$70) or information contact Dr. D.A. Dierig, USWCL, 4331 E. Broadway, Phoenix, AZ 85040.

6-9 February 1996, WEED SCIENCE SOCIETY OF AMERICA, annual meeting, Marriot and Omni Hotels, Norfolk, VA, USA. Contact: WSSA, 1508 W. University Ave., Champaign, IL 61821, USA.

25-28 June * INTERNATIONAL WEED SCIENCE SOCIETY, Copenhagen, DENMARK. Two concurrent sessions each day beginning with a keynote address on the session theme. Contact: ICS, PO Box 41, DK-2900 Hellerup, DENMARK; or IWSS, c/o IPPC, Oregon State University, Corvallis, OR 97331-2915, USA. Phone: 01-503-737-3541. Fax: 01-503-737-3080. E-mail: <larsons@bcc.orst.edu>.

27-31 July 1996, AMERICAN
PHYTOPATHOLOGICAL SOC. ANNUAL
MEETING,

Indianapolis, IN, USA. Contact: APS,
3340 Pilot Knob Road,
St. Paul, MN 55121-2097, USA. Phone:
01-612-454-7250.
Fax: 01-612-454-0766.

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