



FORCE
OF
NATURE

THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE from
National Organization Responding Against HJJE that seek to harm the Green Space Industry (NORAHG)



Update

Unfounded Concerns About Pest Control Products

August 30th, 2011

American Chemical Society

Selected and adapted excerpts



Update

Unfounded Concerns About Pest Control Products



Abstract

An abstract is a brief summary of a scientific paper or any in-depth analysis of a particular subject, and is often used to help the reader quickly ascertain the paper's purpose.

When used, an abstract always appears at the beginning of a manuscript, acting as the point-of-entry for any given scientific paper.

According to AMERICAN CHEMICAL SOCIETY, most of the world's population, even in developed countries, has inadequate intake of one or more of the approximately 30 essential vitamins and minerals that a varied and balanced diet should provide.

Triage theory posits that, as a result of recurrent shortages of vitamins and minerals during evolution, natural selection developed a metabolic rebalancing response to shortage.

The re-balancing favours vitamin-and-mineral-dependent proteins needed for short-term survival and reproduction while starving those proteins only required for long-term health.

Triage theory predicts that the consequence of moderate shortages of even a single vitamin or mineral, though insufficient to cause overt clinical symptoms, will impair functions essential for long-term health.

This impairment will result in insidious damage (e.g. increased DNA damage) that, over time, leads to the acceleration of age-associated diseases (e.g. increased cancer).

Analyses show that a triage perspective is both correct and useful.

Update

Unfounded Concerns About Pest Control Products



Animal cancer tests are being MIS-INTERPRETED to mean that minuscule doses of pest control products are relevant to human cancer

Abstract (continued)

Animal cancer tests, which are done at the maximum tolerated dose, are being MIS-INTERPRETED to mean that minuscule doses of synthetic chemicals such as PEST CONTROL PRODUCTS are relevant to human cancer.

99.99 per cent of the PEST CONTROL PRODUCTS we eat are NATURALLY PRESENT in plants to ward off insects and other predators.

OVER HALF OF ALL CHEMICALS TESTED, whether natural or synthetic, are CARCINOGENIC in rodent tests.

REDUCING OUR EXPOSURE to TRACES of dietary synthetic PEST CONTROL PRODUCTS is expensive and will NOT PLAUSIBLY REDUCE CANCER RATES.

Fruits and vegetables are effective dietary sources of vitamins and minerals, and making them more expensive, e.g. organic food, COULD INCREASE CANCER IN THE POOR.

Update

Unfounded Concerns About Pest Control Products



There is NO GOOD SCIENTIFIC SUPPORT indicating that ORGANIC PESTICIDE-FREE fruits and vegetables are SAFER and have a lower risk for causing cancer

Organic Food Is NOT Safer

UNFOUNDED CONCERNS about pest control products adversely affect the health of low-income populations.

The increasingly prevalent notion that expensive ORGANIC fruits and vegetables are SAFER because pest control products — used to protect traditional crops from insects, thus ensuring high crop yields and making them less expensive — are a risk for causing cancer has NO GOOD SCIENTIFIC SUPPORT.

Such UNFOUNDED FEARS could have the unanticipated consequence of keeping healthful fruits and vegetables from those with low incomes.

Update

Unfounded Concerns About Pest Control Products



Animal cancer studies UNFAIRLY LABEL pest control products as DANGEROUS TO HUMANS

Bruce N. Ames

Bruce N. Ames, Ph.D., developer of a widely-used test for potential carcinogens that bears his name, spoke at the 242nd National Meeting and Exposition of the American Chemical Society (ACS) in August 2011.

Ames described his TRIAGE THEORY, which explains how the lack of essential vitamins and minerals from fruit and vegetables in the diet of younger people can set the stage for cancer and other diseases later in life.

Ames is a Professor Emeritus of Biochemistry and Molecular Biology at the University of California at Berkeley.

He developed the AMES TEST, which uses bacteria to test whether substances damage the genetic material DNA and, in doing so, have the potential to cause cancer.

In the presentation, Ames said that today's animal cancer studies UNFAIRLY LABEL many substances, including PEST CONTROL PRODUCTS and other synthetic chemicals, as DANGEROUS TO HUMANS.

Update

Unfounded Concerns About Pest Control Products



Virtually ALL pest control products
are NATURALLY present in plants

Pest Control Products in the Human Diet

Ames' and Lois Swirsky Gold's research indicates that ALMOST ALL PEST CONTROL PRODUCTS IN THE HUMAN DIET ARE SUBSTANCES PRESENT NATURALLY IN PLANTS to protect them from insects.

According to Professor Bruce N. Ames —

<< Animal cancer tests, which are done at very high doses of synthetic chemicals such as pest control products — the « maximum tolerated dose » (MTD) — are being MIS-INTERPRETED to mean that minuscule doses in the diet are relevant to human cancer.

99.99 percent of the pest control products we eat are NATURALLY PRESENT in plants to protect them from insects and other predators.

Over half of ALL chemicals tested, whether natural or synthetic, are carcinogenic in rodent tests. >>

Update

Unfounded Concerns About Pest Control Products



At very low doses, pest control products
are NOT OF CONCERN to humans

High Doses NOT RELEVANT to Low Doses

Ames thinks the result of the animal cancer tests is DUE TO THE HIGH DOSE ITSELF and is NOT RELEVANT TO LOW DOSES.

A plausible explanation is that the maximum tolerated dose (MTD) causes chronic cell killing and consequent cell replacement, a risk factor for cancer that CAN BE LIMITED TO HIGH DOSES.

At very low doses, many of these substances are NOT OF CONCERN to humans, Ames said.

For example, a single cup of COFFEE contains 15 to 20 of these natural pest control products and chemicals from roasting that test positive in animal cancer tests, but they are present in very low amounts.

In fact, evidence suggests COFFEE IS PROTECTIVE AGAINST CANCER in humans.

Update

Unfounded Concerns About Pest Control Products



There are MORE « *harmful* » substances
in ONE CUP OF COFFEE than the amount
of pest control product residue
INGESTED IN ONE YEAR

Pest Control Consumption in Food

HUMAN PEST CONTROL PRODUCT CONSUMPTION FROM FRESH FOOD IS EVEN LESS OF A CONCERN, according to Ames.

The amount of pest control product residue that an average person ingests throughout an entire year is even less than the amount of those « *harmful* » substances in one cup of coffee.

UNFOUNDED FEARS about the dangers of pest control product residues on fruit and vegetables may stop many consumers from buying these fresh, healthful foods.

In response, some stores sell « *organic* » foods grown without synthetic pest control products, but these foods are much more expensive and out of the reach of low-income populations.

Update

Unfounded Concerns About Pest Control Products



COST-PROHIBITIVE Organic Food leads to a LOWER consumption of fruits and vegetables by people with low incomes, which may lead to CANCER and other aging diseases

The Ames Triage Theory

As a result, people — especially those who are poor — may consume fewer fruits and vegetables.

But how does a lack of fresh produce lead to cancer and other aging diseases ?

That's where Ames' TRIAGE THEORY comes in.

In war-time, battle-field doctors with limited supplies and time do a TRIAGE, making quick decisions about which injured soldiers to treat.

In a similar way, the body makes decisions about how to ration vital nutrients while experiencing an immediate moderate deficiency, but this is often at a cost.

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Unfounded Concerns About Pest Control Products



The Ames Triage Theory (continued)

According to Professor Bruce N. Ames —

<< The theory is that, as a result of recurrent shortages of vitamins and minerals during evolution, natural selection developed a metabolic re-balancing response to shortage.

Rebalancing favours vitamin-and-mineral-dependent proteins needed for short-term survival and reproduction while starving those proteins only required for long-term health. >>

Ames noted that the TRIAGE THEORY is strongly supported by recent work.

For example, if a person's diet is low in calcium — a nutrient essential for many on-going cellular processes — the body takes it from wherever it can find it — usually the bones.

The body doesn't care about the risk of osteoporosis 30 or 40 years in the future (long-term health) when it is faced with an emergency right now (short-term survival).

Thus, insidious or hidden damage happens to organs and DNA whenever a person is lacking vitamins or minerals, and this eventually leads to aging-related diseases, such as dementia, osteoporosis, heart trouble, and cancer.

Background Information



Scientifically Safe — Agencies

The LEADING SCIENTIFIC AND REGULATORY AGENCIES have publicly stated, in one form or another, that pest control products are SCIENTIFICALLY-SAFE —

- American Chemical Society
- American Council for Science and Health
- American Cancer Society
- CropLife Canada
- Health Canada
- The Fraser Institute
- U.S. Environmental Protection Agency
- World Health Organization

American Chemical Society

The American Chemical Society is a non-profit organization chartered by the U.S. Congress.

American Chemical Society is the WORLD'S LARGEST SCIENTIFIC SOCIETY and one of the LEADING SOURCES OF AUTHORITATIVE SCIENTIFIC INFORMATION.



Background Information



American Chemical Society is a scientific society based in the United States that supports scientific inquiry in the field of chemistry.

With more than 163,000 members, American Chemical Society is the world's LARGEST SCIENTIFIC SOCIETY AND A GLOBAL LEADER in providing access to chemistry-related research through its multiple data-bases, peer-reviewed journals and scientific conferences.

Founded in 1876 at New York University, the American Chemical Society currently has more than 161,000 members at all degree-levels and in all fields of chemistry, chemical engineering, and related fields.

American Chemical Society is a 501(c)3 non-profit organization.

American Chemical Society holds national meetings twice a year covering the complete field of chemistry and also holds dozens of smaller conferences in specific fields.

Its publications division produces dozens of scholarly journals including the prestigious Journal of the American Chemical Society.

The primary source of income of American Chemical Society is the Chemical Abstracts Service and 38 peer-reviewed publications.

Chemical and Engineering News is the weekly news magazine published by the American Chemical Society and is sent to all members.

American Chemical Society membership is organized into 188 geographical Local Sections and 33 Technical Divisions.

The group holds a congressional charter under Title 36 of the United States Code.

The main offices of American Chemical Society are in Washington, D.C., and Columbus, Ohio.

Background Information



Scientifically Safe — Experts

The following LEADING EXPERTS have recognized expertise, training and background in matters concerning pest control products.

These EXPERTS have publicly stated, in one form or another, that pest control products are SCIENTIFICALLY-SAFE —

- AMES, Bruce N., Professor
- DOST, Frank N., Doctor
- EDWARDS, J. Gordon, Doctor
- MILLOY, Steven J., Juris Doctor
- RITTER, Leonard, Doctor
- ROSS, Gilbert L., Doctor
- SCHWARCZ, Joseph A., Doctor
- SOLOMON, Keith R., Professor
- STEPHENSON, Gerald R., Professor
- WHELAN, Elizabeth M., Doctor
- WOOD, Joel, Doctor

Background Information

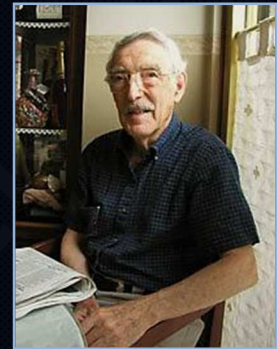


Professor Bruce N. Ames

Professor Bruce Nathan Ames is an American biochemist.

He is a Professor of Biochemistry and Molecular Biology at the University of California, Berkeley, and a senior scientist at Children's Hospital Oakland Research Institute (CHORI).

His research focuses on cancer and aging, and he has authored over 500 scientific publications.



He is a recipient of the Bolton S. Corson Medal in 1980, Tyler Prize for Environmental Achievement in 1985, the Japan Prize in 1997, the National Medal of Science in 1998, and the Thomas Hunt Morgan Medal in 2004, among many others.

He is among the few hundred MOST-CITED SCIENTISTS IN ALL FIELDS.

In 1970, Ames was elected a Fellow of the American Academy of Arts and Sciences.

In 1975, he developed of widely-used test for potential carcinogens that bears his name.

The AMES TEST uses bacteria to test whether substances damage the genetic material DNA and, in doing so, have the potential to cause cancer.

Then, in 1987, Bruce delivered another STUNNING REPORT.

Ames and two colleagues at Berkeley published a SYSTEMATIC RANKING OF THE RELATIVE DANGERS OF CARCINOGENS to which people are commonly-exposed.

Background Information



Professor Bruce N. Ames (continued)

According to Ames in 1989 —

<< It is important not to divert society's attention from the few really serious hazards, such as tobacco or saturated fat (for heart disease), by the pursuit of hundreds of minor or NON-EXISTENT HAZARDS. >>

For Ames, it no longer made sense to fret about one molecule of a carcinogen.

Although Ames acknowledges that some synthetic substances are dangerous, he now believes that MAN-MADE POLLUTANTS ARE GENERALLY INSIGNIFICANT RISKS TO THE PUBLIC.

Ames bases this not merely on his own results, but on statistics showing that THE PROLIFERATION OF SYNTHETIC CHEMICALS IN THE PAST 30 TO 40 YEARS HAS NOT MARKEDLY INCREASED THE OVERALL U.S. CANCER RATE.

Ames has also stated that IN ONE WEEK, AN AVERAGE PERSON DIGESTS MORE NATURAL CHEMICALS ON A DIET OF VEGETABLES THAN IN A LIFETIME OF EXPOSURE TO PEST CONTROL PRODUCTS.

Ames' current research includes identifying agents that delay the mitochondrial decay of aging, understanding the role of mitochondrial decay in aging, particularly in the brain, optimizing micronutrient intakes in the population to prevent disease, malnutrition, and obesity.

He is also interested in mutagens as they relate to cancer prevention and aging.

NORAHG

In the 9/11 Era of Environmental-Terror, at least ONE MALICIOUS ACT OF TERROR is Perpetrated EVERY SINGLE DAY by Enviro-Lunatics.

Enviro-Lunatics, devoid of any sound science, have been WRONG For Over 50 Years !

FORCE OF NATURE presents THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE from National Organization Responding Against HUJE that seek to harm the Green Space Industry (NORAHG).

HUJE are LAWN HATERS, and particularly DESPISE the Golf Industry. Many HUJE operate Environmental Terrorist Organizations that CONSPIRE to PROHIBIT pest control products, despite the fact that these products are GOVERNMENT APPROVED, FEDERALLY LEGAL, and SCIENTIFICALLY SAFE.

It is a series of reports destined for the green space industry, the environmental terrorist movement, governments, and the media, nationwide across Canada, the United States, and overseas.

The information presented in FORCE OF NATURE has been developed for the education and entertainment of the reader by providing a sequence of events WITH COMMENTARY, striving for accuracy in history, politics, and science. FORCE OF NATURE is committed to ground-breaking original journalism that informs, entertains, and creates real change.

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FORCE OF NATURE, and its various Incarnations, is the brainchild of William H. Gathercole and his colleagues.

Here is a brief summary of Mr. Gathercole's career —

Fields of study — Horticulture/Agriculture, Mathematics, Physics

Alma mater — McGill University • University of Guelph • the first person ever to obtain university degrees and contribute to both the professional lawn care and golf maintenance industries

Expertise in — environmental issues and environmental terrorism • turf and ornamental maintenance and troubleshooting • history of the industry • sales and distribution of seeds, chemicals, fertilizers, and equipment • fertilizer manufacturing

Notable activities — worked in virtually all aspects of the green space industry, including golf, professional lawn care, distribution, environmental compliance, government negotiations, public affairs, and workplace safety • supervisor, consultant, and programmer for the successful execution of hundreds of thousands of management operations in the golf and urban landscape, as well as millions of pest control applications • advisor, instructor, and trainer for thousands of turf and ornamental managers and technicians • pesticide certification instructor for thousands of industry workers • founder of the modern professional lawn care industry • prolific writer for industry publications and e-newsletters • first to confirm the invasion of European Chafer insect in both the Montreal region and the Vancouver/Fraser Valley region • with Dr. Peter Dernoeden, confirmed the presence of Take-All Patch as a disease of turf in Eastern Canada • with Dr. David Shetlar, confirmed the presence of Kentucky Bluegrass Scale as an insect pest in South-Western Ontario, and later, in the Montreal and Vancouver regions

Special contributions — creator of the exception status that has allowed the golf industry to avoid being subjected to the prohibition of pest control products • creator of the signs that are now used for posting after application • co-founder of annual winter convention for Quebec golf course superintendents • the major influence in the decision by Canadian Cancer Society to stop selling for profit pesticide treated daffodils • the only true reliable witness who intervened in the development of prohibition in the town of Hudson, Quebec • retired founder of FORCE OF NATURE and A LOOK AT e-newsletters

Notable award — man of the year for contributions leading to the successful founding of Quebec professional lawn care industry, which served as a beach-head against activism in the 1980s and 1990s

Legacy — Mr. Gathercole and his colleagues ... designed and implemented strategies that reined environmental activists to provide peace and prosperity for the entire modern green space industry across Canada • orchestrated legal action against activists in the town of Hudson, Quebec • launched the largest early professional lawn care business in Canada • quadrupled the business revenues of one of the largest suppliers in Canada

Mr. Gathercole is now retired, although his name continues to appear as founder of FORCE OF NATURE and A LOOK AT e-newsletters.

The Force Of Nature Library of Reports contains all FON Reports, as well as PESTICIDE TRUTHS and OTHER FACTS with Audios, Educational Material, History, Links, News, and Videos.

It is a LINK DATABASE created to support efforts to fight and exterminate the Environmental-Lunatic-Vermin with reports developed for the education and entertainment of the reader.

The Whole Truth from an Independent Perspective

NORAHG

The Force Of Nature Library of Reports — A LOOK AT Career Management, Creeping Bentgrass, Golf Course Maintenance, Green Alternatives, Kentucky Bluegrass, Summer Stress, Turf Diseases, Insects & Weeds • Agriculture • ALBERTA Conspiracy • Bee Colony Collapse Disorder • Bee Colony Collapse Disorder • Benefits of the Turfgrass Industry • Beyond Pesticides • Books That Screwed Up the World • BRITISH COLUMBIA Conspiracy • Canadian Cancer Society • Canadian Association of Physicians for the Environment • CARNAGE and Consequences of Lunatic Terrorist Prohibition • Controversial Prohibitions • Culprits of the Prohibition Conspiracy • Daffodils, Toxic Pesticide Treated Flowers Soaked Formaldehyde • Dating Services for Enviro Maniacs • David Suzuki Foundation • DDT and Our World of Politicized Science • Death and Illness (Alleged) • Departure Letters • Ecojustice Canada • Energy Sector • Environmental Terrorists UNMASKED • Environmental Terrorist Organizations • Enviro PROFIT • Environmental Defence • FAILURE of IPM, Pesticide Manufacturers, Prohibition, Trade Associations • Famous Quotations About Enviro Lunatics • Fertilizer TERROR • Food and Farming • Get Off Our grASS • Global Warming, The Scam of Our Lifetime • Golf Industry • Green Alternatives • Green Party • Halloween Terror • Happy Holidays • Health Canada • Health Concerns with Pest Control Products • Heroes Speaking Out Against Environmental Terror • History of Environmental Terror in Canada • History of the Turfgrass Industry • LIARS and Lying Sacks of (Enviro Maniac) Cwap • Mock Advertisements • Mock Speeches • Myth BUSTING • NATIONAL Prohibition • NEW BRUNSWICK Conspiracy • NO Prohibition Exception for AGRICULTURE Industry • NO Prohibition Exception for GOLF Industry • NOVA SCOTIA Conspiracy • North America Free Trade Agreement (NAFTA) • ONTARIO Conspiracy, Haven For Environmental Terrorists • Ontario College of Family Physicians • Organic Golf Courses • Organic Maintenance • Organizations of the Prohibition Conspiracy • Pesticide Q & A (Questions and Answers) • Positive Waves (Interesting and Innovative Thinking) • PRINCE EDWARD ISLAND (PEI) Conspiracy • QUEBEC Prohibition • Quotations About Enviro Lunatics & Maniacs • Rachel Carson, The Queen of Junk Science • SASKATCHEWAN Conspiracy • Satire, Laughs & Insanity • Terror That NEVER Ends • TERROR Talk and Weasel Words • THE AVENGERS • The Environmental Factor • The FAILURES of Green Alternatives, Organic Golf Courses, BROWN Golf Courses, Integrated Pest Management, Pesticide Free Parks. and Pesticide Manufacturers • The Industry STRIKES Back • The Wilhelm Scream • The Wisdom of REAL Experts • Tukey TERRORISM • TWISTED Precautionary Principle • United States Enviro TERRORISM • UPDATES • VICTORIES Against Terrorists • Video, Audio, and Slide Shows • VIOLATING Federal Law • VIOLATING Prohibition • WARNINGS • Weapons of Ultimate Environmental Terror • Wind Power (Bogus) • 2,4-D

***We must defend the industry,
whatever the cost may be !***

