

# Overview from an Independent Perspective

## General Description of Fiesta Herbicide

Fiesta is a Green Alternative to three-way phenoxy turf herbicides such as Killex.

## Active Ingredient

Fiesta contains 4.43 per cent Fe ( iron present as FeHEDTA ). It is NOT a « natural » product.

According to Health Canada, Fiesta iron is chelated with hydroxyethylenediaminetriacetic acid (HEDTA) to form FeHEDTA.

Interestingly, 2,4–D is also an acetic acid.

Fiesta requires extremely-high-inputs of active ingredient when compared to conventional pest control products.

The exceedingly high a.i. rate of Fiesta seems to fly in the face of the desired environmentalist objective of reducing the amount of active ingredient being applied in pest control product programs.

For Fiesta, the rate of active ingredient (a.i.) is 32.92 to 65.85 grams Fe per 1000 square feet.

By comparison, the rate of active ingredient of 2,4-D in Killex is 10.4 grams per 1000 square feet.

Fiesta requires 3 TO 6 TIMES MORE A.I. than Killex.

### Application Rate of Fiesta

The application rate is a whopping 743.2 to 1486.4 millilitres (26.2 to 52.3 Imp. fluid ounces) in a high volume of 17.8 to 35.7 litres of water per 1000 square feet.

By comparison, the rate of application of Killex, a conventional three-way phenoxy herbicide, is ONLY 56 millilitres per 1000 square feet.

The Fiesta label allows a maximum limit of TWO APPLICATIONS PER SEASON with no less than four weeks between applications. For effective weed control, TWO SUCCESSIVE APPLICATIONS of Fiesta will likely be necessary in most situations.

With this limitation on the number of applications per season, Fiesta can only be used in either the spring, or fall, but not both.

## Cost of Fiesta

Fiesta is stunningly more expensive than conventional pest control products.

The cost of an application of Fiesta may range from 13 TO 26 DOLLARS per 1000 square feet.

This represents a cost that is 31 TO 62 TIMES HIGHER THAN KILLEX.

Because of its cost, Fiesta may be better suited for limited spot applications in Professional Lawn Care programs. It certainly cannot be a major component in a weed control program.

## Number of Weed Species Controlled

Fiesta is NOT more effective when compared to conventional pest control products like 2,4-D or Killex.

customer may only be legally quaranteed control on THIRTEEN weeds.

Fiesta is NOT safer when compared to conventional pest control products like Killex.

Fiesta requires slightly more personal protection for the applicator, since Fiesta requires protective

### Health Effects of Fiesta

Both Fiesta and Killex have a LOW TOXICITY, with Oral  $LD_{50}$  greater than 5000 mg per kg. This value indicates that BOTH products, in their concentrated pre-diluted form, are safer than household items

led to the demise of the fertilizer Milorganite in Canada in the 1980s and 1990s. The « heavy metal »

has more negative side-effects.

remove. Moreover, in order to avoid the staining of by-stander shoes and clothing, the Fiesta label recommends waiting until treated area has dried before re-entry.

Finally, as with all iron products, Fiesta may be CORROSIVE to certain metal parts on the sprayer used for its application.

# Warning!

The people responsible for media releases at Nutri-Lawn are either mind-numbingly stupid or incompetent ... and most likely BOTH

On May 21<sup>st</sup>, 2010, the Organo–Maniac franchise Nutri–Lawn issued a REAS-SURING media release concerning the herbicide Fiesta —

<< Nutri-Lawn, North America's leader in ecology friendly lawn care is very excited to offer its customers the best Natural [?!?!] Weed Control product to hit the market since the Ontario wide ban of pesticides, one year ago.</p>

Nutri-Lawn is proud to be one of the first companies to have tested the product, and now have this service into production throughout Ontario with plans for other markets this summer.

The active ingredient of Fiesta is Iron in the form of FeHEDTA. Fiesta iron is chelated with hydroxyethylenediaminetriaceticacid (HEDTA) to form FeHEDTA. Fiesta contains 4.43% iron in the form of FeHEDTA.

Fiesta's mode of action is through iron toxicity (oxidative damage) at the cellular level. The excessive uptake of FeHEDTA by many broadleaf weeds leads to the contacted area to turn black and brown (tissue necrosis), and ultimately plant death. Broadleaf weeds (dicots) absorb and uptake Iron differently than turf (monocots), which provides the mechanism of selectivity. Fiesta does not harm the desired grass, and results take place within hours after application. >>

Using terms like — « at the cellular level », « hydroxyethylenediaminetriaceticacid », « iron toxicity », « oxidative damage », « tissue necrosis », and « turn black and brown » — these ARE NOT terms that will REASSURE the public regarding the safety of Fiesta. In order to guarantee that Fiesta continue to remain available in the market–place, manufacturers, suppliers, and end–users must be EXTREMELY CAREFUL with their statements.

Nutri-Lawn was NOT careful with its statements regarding Fiesta.

# Warning

# The Milorganite-Lou-Gehrig Affair

Since Fiesta contains a « metal ingredient », there to the DEMISE of the fertilizer Milorganite in Canada in the 1980s and 1990s.

# What happened ?!?!

In the United States, a series of 1987 newspaper articles alleged that applications of Milorganite MAY have caused Lou Gehrig's Disease ( « amyotrophic lateral



Why is A.L.S. called « Lou Gehrig's Disease » ?!?!

In 1939, the New York Yankees baseball player Lou Gehrig announced his early retirement because he was stricken with the fatal neuro-muscular disease called A.L.S. disease that claimed his life two years later.

Here is an excerpt —

<< Fans, for the past two weeks, you have been reading about a bad

this disease afflicts 1½ people for every 100,000.

have been responsible for A.L.S. disease.

In San Francisco, three players from the « 49ers » football team were dying

plied on the team's practice field at some indeterminate time.



Enter the media! « USA Today » (the « CNN » of its day ), and other newspapers, picked up the story. Consequently, the « junk science » regarding the safety of Milorganite was legitimized by the media.

It should be noted that the inevitable review of the medical data conducted by a large group of federal, state, and local specialists DISPELLED ALL LINKS between

Did « sound science » finally prevail over « junk science » ?!?! Not completely.

in those portions our society that has become INFESTED with the Environmental-Maniac-Activists.

That is ... the EDUCATIONAL SYSTEM and the CIVIL SERVICE.

Green Space Industry EDUCATORS have continuously been preaching as factual

As a consequence of the Milorganite-Lou-Gehrig Affair, Canadian federal CIVIL SERVANTS discontinued the importation of Milorganite for several years.

PROHIBITED any proposal for the use of Milorganite as a nitrogen source, as well as any other type of sewage sludge fertilizer.

The Green Space Industry suffered the CARNAGE caused by the « junk science » used and highly-regarded fertilizer product.

# Warning!

same controversy that led to the DEMISE of the fertilizer Milorganite in Canada in the 1980s and 1990s. The « heavy metal » content of Milorganite was falsely alleged by Environmental-Maniac-Activists to lead to health problems like Lou Gehrig's Disease, and the fertilizer was withdrawn for several years.



# The Looming Fiesta-Hemochromatosis Affair ?!?!

ucts, herbicides like Fiesta may be the BEST option available for the Professional Lawn Care Industry, as well as the Do-It-Yourself-Homeowner.

Those involved in the promotion of Fiesta must take a CAUTIOUS and REASSUR-ING approach before the clamouring begins regarding its safety, otherwise, Fiesta MAY become associated with health problems like hemochromatosis.

The market longevity of Fiesta is at stake.

The industry must avoid non-reassuring and complicated terms like —

- at the cellular level
- hydroxyethylenediaminetriaceticacid

- oxidative damage
- turn black and brown

# Health Problems Associated with Iron

search, and conjure the following HEALTH PROBLEMS associated with IRON ...

- << Hemochromatosis is the most common form of iron overload disis caused by anemia, alcoholism, and other disorders. >>
- Juvenile hemochromatosis and neonatal hemochromatosis are leads to severe iron overload and liver and heart disease in adolestal form causes rapid iron build-up in a baby's liver that can lead to death. >>

All you need is someone claiming to be sensitive to iron, and voilà, right back to where we were with Milorganite.













Force Of Nature is a report from National Organization Responding Against Huje that seek to harm the Green Space Industry (NORAHG). It is a series of e-newsletters destined for the Green Space Industry, the Environmental Terror 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 historical events WITH COMMENTARY.

Huje is a term used to describe Enviro Maniac Activists that routinely concoct FEAR MONGERING, FRAUDULENT LIES, MISCONCEPTIONS, COERCION, THREATS, DECEPTIONS, TERROR, and PARANOID CONSPIRACIES that are DESIGNED to SCAM and DECEIVE the public into believing that families are in some NON-EXISTENT danger with conventional pest control products. Huje also SCAM and DECEIVE Government Officials into the NEEDLESS, SENSELESS, and MALICIOUS prohibition of FEDERALLY LEGAL, SCIENTIFICALLY SAFE, TOTALLY IRREPLACEABLE, and ABSOLUTELY INDISPENSABLE conventional pest control products.

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Force Of Nature is the brainchild of William H. Gathercole and his entourage. Mr. Gathercole is a principal FOUNDER of the Modern Professional Lawn Care Industry in BOTH Ontario and Quebec. He holds a degree in Horticulture from the UNIVERSITY OF GUELPH, and another pure and applied science degree from McGILL UNIVERSITY. He has worked in virtually all aspects of the Green Space Industry, including GOLF, PROFESSIONAL LAWN CARE, and CHENICAL INDUSTRY, and has served in public affairs, workplace safety, and environmental compliance. Mr. Gathercole has supervised, consulted, programmed, and/or overseen the successful and safe execution of HUNDREDS OF THOUSANDS of pest control applications in the urban landscape. He has trained, instructed, and consulted with THOUSANDS of turf managers and technicians. Mr. Gathercole has also been an agricultural agronomist. For many years, Mr. Gathercole was a contributing columnist for TURF & Recreation Magazine, Canada's Turf and Grounds Maintenance Authority. Mr. Gathercole is now retired from Force Of Nature, although his name continues to appear as the founder. Mr. Gathercole is personally credited for crafting the Golf Industry Exception Status, that endures to this day. He is also the creator of the signs that are now used for posting after application. His vast knowledge of our long journey with Environmental Issues is UNDENIABLE — hopefully! For FIFTEEN YEARS, the strategies designed and implemented by Mr. Gathercole and his colleagues guaranteed the control of Environmental Terror for the entire Modern Green Space Industry across Canada. Mr. Gathercole's involvement in Environmental Issues reached a fevered pitch in the 1990s, when he orchestrated, with his colleagues, legal action against the Forces of Environmental Evil in the Town of Hudson, Quebec. Mr. Gathercole is the ONLY TRUE RELIABLE WITNESS of the Hudson Affair.

Mr. Gathercole and his entourage have followed the evolution of ENVIRONMENTAL TERRORISM for over a quarter century. Through Force Of Nature, Enviro Maniac Activist Huje are identified on the basis of their statements, activities, affiliations, and whereabouts. Even though each Enviro Maniac Culprit is a misguided adversary, each still deserves our respect. The use of the terms Maniac, Culprit, Terrorist, or Basterd are not accusations of any legal wrong doing. Force Of Nature is simply holding Enviro Maniac Activists accountable for conspiring to change public policies that TERRORIZE, HARM, and THREATEN the Green Space Industry. Their pretentious prohibitionist rants have created LOSS OF REVENUES, BUSINESS FAILURES, BANKRUPTCY, and UNEMPLOYMENT, inflicting DESPAIR and DESTITUTION for THOUSANDS of hapless victims throughout the Green Space Industry. The DEPRAVED INDIFFERENCE of Maniac Culprit Terrorist Basterd Huje is viewed as a form of TERROR, HARM, and THREAT against the Green Space Industry.

The following editions of Force Of Nature are currently available — • A Look At • Alberta Conspiracy • British Columbia Conspiracy • Canadian Association of Physicians for the Environment • Canadian Cancer Society • Canadian Environmental Law Association • Carnage • Consequences • Culprit • David Suzuki Foundation • Dating Services for Enviro Maniacs • DDT and Politicized Science • Death and the Environmental Terror Movement • Enviro Profit • Environmental Terrorists Unmasked • Famous Quotations • Fertilizer Terror • Hero • June Irwin, the Clown of Junk Science • Kazimiera Jean Cottam • Landscape Trades Capitulate • Lying Sac of Enviro-Maniac Cwap • Myth-Busting • Needless Hysteria • New Brunswick Conspiracy • Newfoundland Conspiracy • Nova Scotia Conspiracy • Ontario Conspiracy • Organic Fertilizers • Paranoid Theories • Pesticide Free BC • Pets and Lawn Care Chemicals • Positive Waves • Prince Edward Island Conspiracy • Quebec Conspiracy • Satire • Terror NEVER Ends • Terror Talk • The 9/11 Era of the Green Space Industry • The Bin Laden of Enviro Terror, Paul Tukey • The Failure of Integrated Pest Management • The Looming Golf Industry Shipwreck • The Industry Strikes Back • The Misconceptions About Cancer • The National Annihilation of the Modern Green Space Industry • The Wisdom of Bill Bell • The Wisdom of Drysdale • The Wisdom of Health Canada • The Wisdom of Holland • The Wisdom of Lowes • The Wisdom of Mains • The Wisdom of the Solomons • Lindate • Warning •



We must promote and defend the industry, whatever the cost may be !