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Fiesta

A Look at a so-called Green Alternative
to conventional pest control products

Introduction

Despite claims to the contrary, overall, there are **NO** viable, efficacious, or economical Green Alternatives to replace conventional pest control products. VIRTUALLY ALL Green Alternatives are **BOGUS**, displaying NEGATIVE CHARACTERISTICS such as —

- Green Alternatives may be almost TOTALLY INEFFECTIVE except under very specific circumstances.
- Green Alternatives may require EXTREMELY-HIGH-INPUTS of ACTIVE INGREDIENT since they will otherwise be LESS EFFECTIVE.
- Green Alternatives may be PROHIBITED in some jurisdictions.
- Green Alternatives may be questionably higher in TOXICITY.
- Green Alternatives may be STUNNINGLY MORE EXPENSIVE to use when compared to conventional pest control products.
- Green Alternatives may be supplied by the same Environmental-Terror-Organizations that sought the prohibition of conventional pest control products.
- Green Alternatives may have NEGATIVE SIDE-EFFECTS like PHYTO-TOXICITY (an effect that adversely affects plant growth) or CORROSION.
- Green Alternatives may require MORE personal protection for the user.
- Green Alternatives may NOT BE SAFER, NOR BETTER, NOR MORE EFFECTIVE.

General Description of Fiesta

Fiesta is a Green Alternative to three-way phenoxy turf herbicides such as *Killex*. It is registered as a commercial herbicide concentrate and a lawn weed killer. *Fiesta* is packaged as a SOLUTION (SN).

Fiesta is registered for use on —

- | | |
|-------------------|------------------|
| • athletic fields | • lawns |
| • cemeteries | • non-crop areas |
| • golf courses | • parks |
| | • rights of way |

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Fiesta is registered for application on —

- Chewings fescue
- creeping fescue
- Kentucky bluegrass
- perennial ryegrass
- tall fescue

Application Rate of Fiesta

Fiesta requires EXTREMELY-HIGH-INPUTS of active ingredient.

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.

According to *Health Canada*, the MINIMUM rate of *Fiesta* is intended for application to SMALLER WEEDS, while the MAXIMUM rate is intended for application to LARGER WEEDS, or more difficult to control perennial weeds.

Experimental results were adequate to allow 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 in the number of applications per season, *Fiesta* can ONLY BE USED in either the spring, or fall, but NOT BOTH.

Fiesta has a RAIN-FAST INTERVAL of three hours.

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*.

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Because of its cost, *Fiesta* may be better suited for LIMITED SPOT APPLICATIONS, and certainly CANNOT be a major component in a complete weed control program.

Because the cost of this product is prohibitive, there may be issues with some lawn care operators who will « *spike* » their BLANKET WEED CONTROL PROGRAMS with 2,4-D and illegal Beet Juice in order to PROVIDE EFFECTIVE WEED CONTROL. This will give the FALSE IMPRESSION that *Fiesta* is efficacious AND economical.

Cornerstones for Effective Weed Control Programs

Within the collective history of the Green Space Industry, there is considerable experience and research regarding the effective implementation of weed control programs.

For EFFECTIVE WEED CONTROL, there are THREE MAINTENANCE CORNERSTONES that must be adopted in order to SATISFY a Professional Lawn Care customer —

- A customer must be provided with a THICK LAWN.
- A customer must be provided with a GREEN LAWN.
- A customer must be provided with a WEED-FREE LAWN.

Additionally, there is the PRINCIPAL CORNERSTONE FOR ADEQUATE BROAD-LEAVED WEED CONTROL —

For established customers with a well-maintained lawn, TWO TO TWO-AND-A-HALF BLANKET APPLICATIONS OF A THREE-WAY HERBICIDE ARE NECESSARY EVERY SEASON for adequate broad-leaved weed control. This philosophy is even reflected in the *Killex* label recommendations.

It will be very difficult to « *fit* » a product like *Fiesta* within these CORNERSTONES.

Active Ingredient

Fiesta contains 4.43 per cent Fe (iron present as FeHEDTA). According to Health Canada, *Fiesta* iron is CHELATED with *hydroxyethylenediaminetriacetic acid* (HEDTA) to form FeHEDTA. Interestingly, 2,4-D is also an ACETIC ACID.

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The undesired broad-leaved plants are generally MORE SUSCEPTIBLE to the herbicidal effects of FeHEDTA than the desirable turfgrass species.

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*.

Moreover, since *Fiesta* contains a « metal ingredient », there will inevitably develop the same controversy that led to the demise of the fertilizer *Milorganite* in Canada in the 1980s and 90s. The « heavy metal » content of *Milorganite* was FALSELY ALLEGED by Environmental-Maniac-Activist to lead to health problems like Lou Gehrig's Disease, and the product was withdrawn for several years.

Control vs Suppression

Fiesta is NOT MORE EFFECTIVE when compared to conventional pest control products like 2,4-D or *Killex*.

In its advertising campaign, the manufacturer of *Fiesta* tends to use the terms « control » and « suppression » interchangeably, although the *Fiesta* label itself mostly employs the term « control », except for Broad-Leaved Plantain, which can only be « suppressed », or PARTIALLY CONTROLLED, by *Fiesta*.

It is likely that only « suppression » will be achieved with *Fiesta* if only a single application of *Fiesta* is performed. For effective weed « control », TWO SUCCESSIVE APPLICATIONS of *Fiesta* may be necessary in most situations. Since only two applications per year are permitted, *Fiesta* can only be used in either spring or fall.

Predictably, moss and algae are also « suppressed » by *Fiesta*.

It is interesting to note the manufacturer's series of testimonial photos showing Dandelion « deaths » were staged in the middle of a « weed garden », rather than a true representative turfgrass sward.

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Number of Weed Species Controlled

Only THIRTEEN weeds are indicated on the *Fiesta* label, as opposed to FIFTY for *Killex*. This will lead to issues with Professional Lawn Care Companies, since the less comprehensive *Fiesta* label imposes legal limitations as to the species of weeds that can be GUARANTEED for control. With *Fiesta*, a customer may only be legally guaranteed control on thirteen weeds

Phyto-Toxicity and Other Side-Effects

Fiesta may be higher in PHYTO-TOXICITY when compared to conventional pest control products. It also has MORE NEGATIVE SIDE-EFFECTS.

According to *Health Canada*, overall injury of *Fiesta* to turf is LOW, and phyto-toxic problems consists principally of LEAF DARKENING, and perhaps some LEAF NECROSIS, which is the premature death of cells and living tissue.

Predictably, since *Fiesta* is an iron-based product, turfgrass leaf blades can be expected to DARKEN, since using HIGH RATES OF IRON has traditionally led to the classic « *blackening effect* », which is caused by the oxidization of Fe particles on the surface of the leaf.

As with all iron products, there will be issues with STAINING OF HARD SURFACES, such as white concrete. Such stains are extremely difficult to remove.

Moreover, in order to avoid STAINING of customer shoes and clothing, the *Fiesta* label recommends waiting until treated area has dried before re-entry.

It must be remembered that the rate of active ingredient of *Fiesta* is 32.92 to 65.85 grams Fe per 1000 square feet, whereas conventional liquid iron products, such as *FeRROMECH* (6 per cent Fe) require only 9.2 to 13.6 grams Fe per 1000 square feet in order to provide a darker green turf, and not weed control.

Fiesta uses 2½ to 7 times more Fe than *FeRROMECH*.

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

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Applicator Protection When Using Fiesta

Fiesta is NOT SAFER when compared to conventional pest control products.

Fiesta requires SLIGHTLY MORE personal protection for the user. The application of *Fiesta* requires protective eye-wear and waterproof gloves.

By comparison, *Killex* requires coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, but NO eye-wear.

Health Effects of Fiesta

According to the *Fiesta* label, prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

According to *Health Canada*, the signal words for *Fiesta* are « *potential skin sensitizer* » and the statement « *may cause skin sensitization* » are required on the principal and the secondary display panels, respectively, of both the technical and end-use product labels.

Fiesta is NOT safer, since BOTH *Fiesta* and *Killex* have a LOW TOXICITY, with Oral LD₅₀ greater than 5000 mg per kg. This value indicates that BOTH products, in their concentrated pre-diluted form, are safer than household items such as baking soda, caffeine, ethanol, and table salt.

Fertilizer Tank Mix

Fiesta cannot be mixed with liquid fertilizer, whereas the *Killex* label permits tank-mixing. It is a STAND-ALONE product that must be applied separately from others.

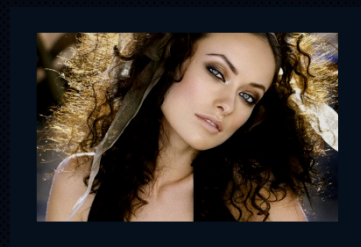
Conclusion

Fiesta is NOT SAFER, NOR BETTER, NOR MORE EFFECTIVE when compared to conventional pest control products like 2,4-D or *Killex*.

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

N O R A H G

Force Of Nature 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. Force Of Nature presents THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE ! Force Of Nature is TOTALLY INDEPENDENT of any trade association or business operating within the Green Space Industry. The commentary expressed in Force Of Nature, even though from an INDEPENDENT PERSPECTIVE, may not reflect those of everyone in the Green Space Industry. Force Of Nature may sometimes be very irreverent, and even appear to be Anti Environment, it is, in fact, simply a strong advocate FOR the Modern Green Space Industry. However, this position has not precluded Force Of Nature from criticizing the Green Space Industry itself, when appropriate. The events, characters, companies, and organizations, depicted in this document are not always fictitious. Any similarity to actual persons, living or dead, may not be coincidental. All document excerpts and pictures contained in Force Of Nature were found somewhere on the Internet. These documents and pictures are in the public domain, serving one of the following purposes : archive, education, promotion, publicity, or press release.



Force Of Nature INSPIRES people to believe that ENVIRONMENTAL TERRORISM can be STOPPED ! **Norah G** is an acronym for the stable of anonymous producers and writers that contribute to this e-newsletter and have now replaced Mr. Gathercole. They consist of people from the following industries : Distribution, Fertilizer, Golf, Lawn Care, Manufacturing, Municipal, Nursery, and Orchard. Many of these people are leaders in their own industries. Anonymity is essential in view of the constant threat of reprisals at every level except perhaps death. Force Of Nature is the instrument of **National Organization Responding Against Huje** that seek to TERRORIZE, HARM, and THREATEN the **Green Space Industry (NORAHG)**. Huje is a term used for **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.

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 CHEMICAL 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.

Read All About Enviro Maniac Activists and their Environmental Terror Organizations in Force Of Nature ! The Whole Truth From An Independent Perspective ! Ask for a copy of any back issue of Force Of Nature. 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 • Rachel Carson, the Queen of Junk Science • Reining a Terrorist Reaction • Salmon Arm BC 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 • Update • Warning • DON'T THANK US. IT'S A PUBLIC SERVICE. AND WE ARE GLAD TO DO IT.

The Whole Truth from an Independent Perspective