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# Organo-Sol Herbicide

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

## Mode of Action of Organo-Sol

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Organo-Sol is classified as a POST-EMERGENT herbicide.

Due to the presence of Lactic Acid and Citric Acid in the end-use product, Organo-Sol has a LOW PH ( approximately 3.5 ) that allows for penetration of plant cells causing tissue necrosis and suppression of plant growth.

The weed species that are the MOST SUSCEPTIBLE to Organo-Sol are those with a THIN LEAF CUTICLE.

## Suppression versus Control

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Organo-Sol merely « *suppresses* » certain weeds.

Moreover, Organo-Sol will NOT provide the same ERADICATIVE EFFECT of CONVENTIONAL post-emergent herbicides like 2,4-D and Killex, and it is certainly NOT an effective alternative.

In general, « *suppression* » occurs when LESS THAN FIFTY PER CENT of the damaging weed population is killed by a single application of herbicide.

« *Suppression* » is NOT the same as « *control* ».

FULL EFFECTIVE « *control* » can only be attained with CONVENTIONAL pest control products, such as 2,4-D and Killex, which will provide a VERY HIGH PER CENT kill of damaging weeds.

In some circumstances, Organo-Sol may be ALMOST TOTALLY INEFFECTIVE, WITH ONLY 15 PER CENT SUPPRESSION.

Organo-Sol will require EXTREMELY-HIGH-INPUTS OF ACTIVE INGREDIENT — AT LEAST FIVE APPLICATIONS PERFORMED EVERY TWO WEEKS WILL BE REQUIRED TO ACHIEVE AN ONGOING PARTIAL SUPPRESSION OF CLOVERS. Organo-Sol will be STUNNINGLY EXPENSIVE to use.



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## Efficacy of Organo-Sol on Red and White Clovers

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The treatment of 25 per cent v/v Organo-Sol plus 3 per cent v/v Kornspec Adjuvant resulted in an average of 41 per cent control of clovers in the first week after treatment, and 49 per cent control of clovers in the second week after treatment.

In the one study, in which a later evaluation was conducted, clovers had almost completely recovered in the third week after treatment.

The treatment of 50 per cent v/v Organo-Sol plus 3 per cent v/v Kornspec Adjuvant resulted in an average of 50 per cent control of clovers in the first week after treatment, and 55 per cent control of clovers in the second week after treatment.

Recovery was evident in the third week after treatment in which control of clovers had declined to 18 per cent.

Data from three controlled environment studies demonstrated that Organo-Sol required Kornspec Adjuvant at 3 per cent v/v to achieve partial suppression of clovers.

However, Kornspec Adjuvant is no longer registered in Canada.

Assist Oil Concentrate, XA Oil Concentrate, and Kornoil Concentrate were supported as alternatives to Kornspec Adjuvant based on data generated from treatments of Organo-Sol plus Kornspec Adjuvant.

Since the herbicidal activity of Organo-Sol is short term, it would be expected that maximum performance requires multiple applications.

Data from two field studies demonstrated that at least five applications made every two weeks are required to achieve an ongoing partial suppression of clovers.

Selected and adapted excerpts from Health Canada report.

# Organo-Sol Herbicide

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

## Efficacy of Organo-Sol on Bird's-Foot Trefoil, Black Medick, and Wood Sorrel

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The efficacy of the treatment of 25 per cent v/v Organo-Sol plus 3 per cent v/v Kornspec Adjuvant for control of bird's-foot trefoil, black medick, and wood sorrel was assessed in one field study each.

Control was reported to be 28 per cent for bird's-foot trefoil, 17 per cent for black medic, and 15 per cent for wood sorrel.

For the treatment of 50 per cent v/v Organo-Sol plus 3 per cent v/v Kornspec Adjuvant, maximum control was observed to be 57 per cent for bird's-foot trefoil ( in one study ), 65 per cent for black medick ( in one study ) and 50 per cent for wood sorrel ( in two studies ).

Partial suppression claims are supported based on the submitted data in combination with the following points —

Bird's-foot trefoil, black medick, white clover and red clover all belong to the *Faboideae* sub-family of the *Fabaceae* family of the *Fabales* order.

Wood sorrel is more distantly related, belonging to the *Oxalidales* order which belongs to the same subclass as the *Fabales* order.

Leaves of plants belonging to the *Fabales* or *Oxalidales* orders are typically DELICATE with THIN CUTICLES thereby facilitating uptake of the herbicide.

The similarity in leaf size would be expected to result in a similar liquid retention capacity.

Selected and adapted excerpts from Health Canada report.













# N O R A H G

Force Of-De Nature (FON) presents THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE from National Organization Responding Against Huje that seek to harm or misinform the Green Space Industry (NORAHG). It is a series of Reports destined for the Green Space Industry, the Environmental Terror Movement, Governments, and the Media, nationwide across Canada, the United States, and overseas. This Report has been developed for the education and entertainment of the reader by providing TECHNICAL INFORMATION WITH COMMENTARY. The neutrality of the Report might be disputed.

The information presented in this Report is for preliminary planning only. Before making a final decision, the turf manager is expected to obtain trusted expert advice from extension specialists, local distributors and/or agronomists. All decisions must take into account the prevailing growing conditions, the time of year, and the established management practices.

All products mentioned in this Report should be used in accordance with the manufacturer's directions, and according to provincial, state, or federal law. For the official advantages, benefits, features, precautions, and restrictions concerning any product, the turf manager must rely only on the information furnished by the manufacturer. The mention of trade names does not constitute a guarantee or a warranty.

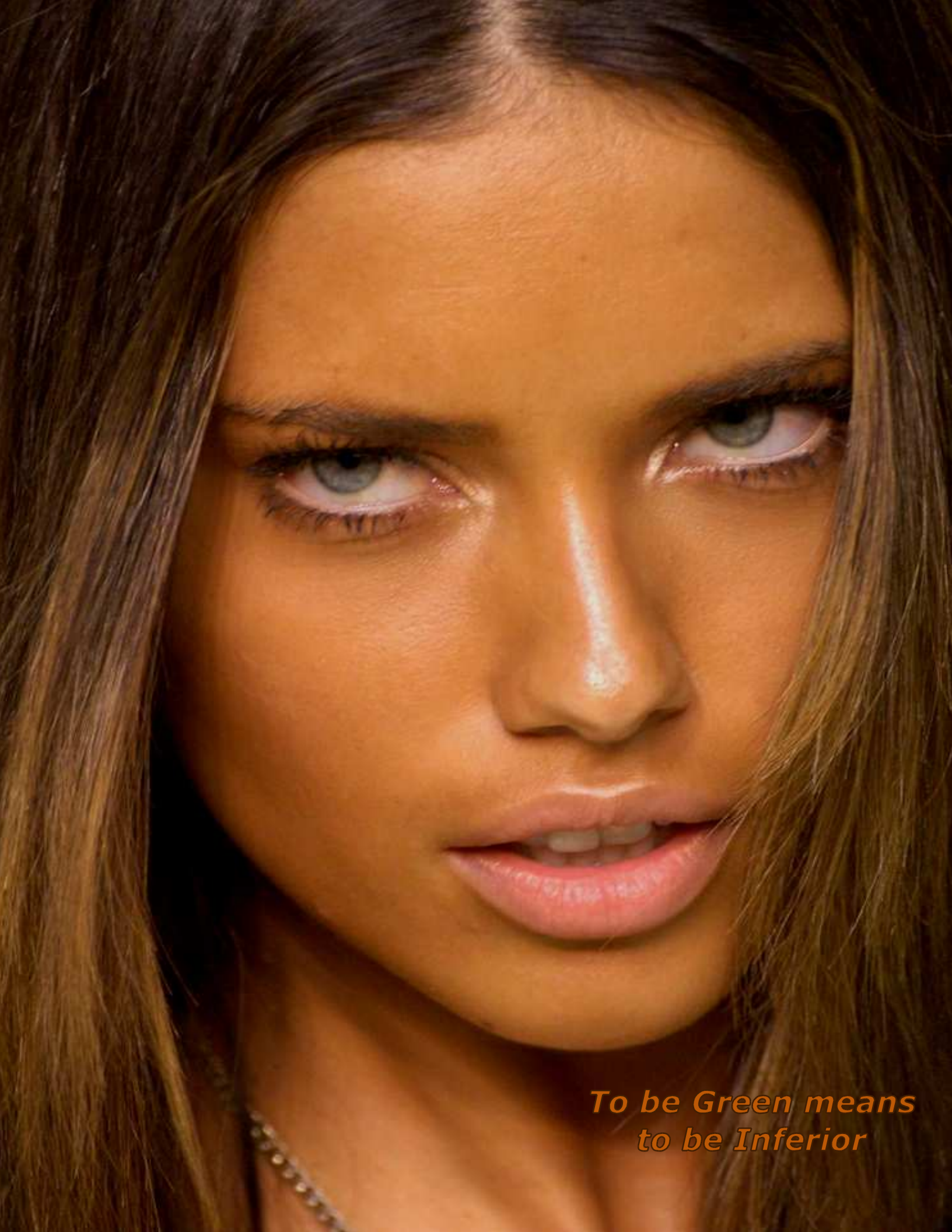
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FON is the brainchild of William H. Gathercole and his entourage. Mr. Gathercole is a principal founder of the Modern Professional Lawn Care Industry in both Ontario and Quebec. He holds a degree in Horticulture from the University of Guelph, and another 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 distribution. Mr. Gathercole has supervised, consulted, programmed, and/or overseen the successful execution of hundreds of thousands of management operations in the urban landscape. He has trained, instructed, and advised thousands of turf managers and technicians. Mr. Gathercole has also been an agricultural agronomist. Mr. Gathercole is personally credited for crafting the Exception Status that has allowed the Golf Industry to avoid being subjected to the prohibition of pest control products. He is also the creator of the signs that are now used for posting after application. Mr. Gathercole is now retired from FON, although his name continues to appear as the founder.

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## The Whole Truth from an Independent Perspective





*To be Green means  
to be Inferior*