



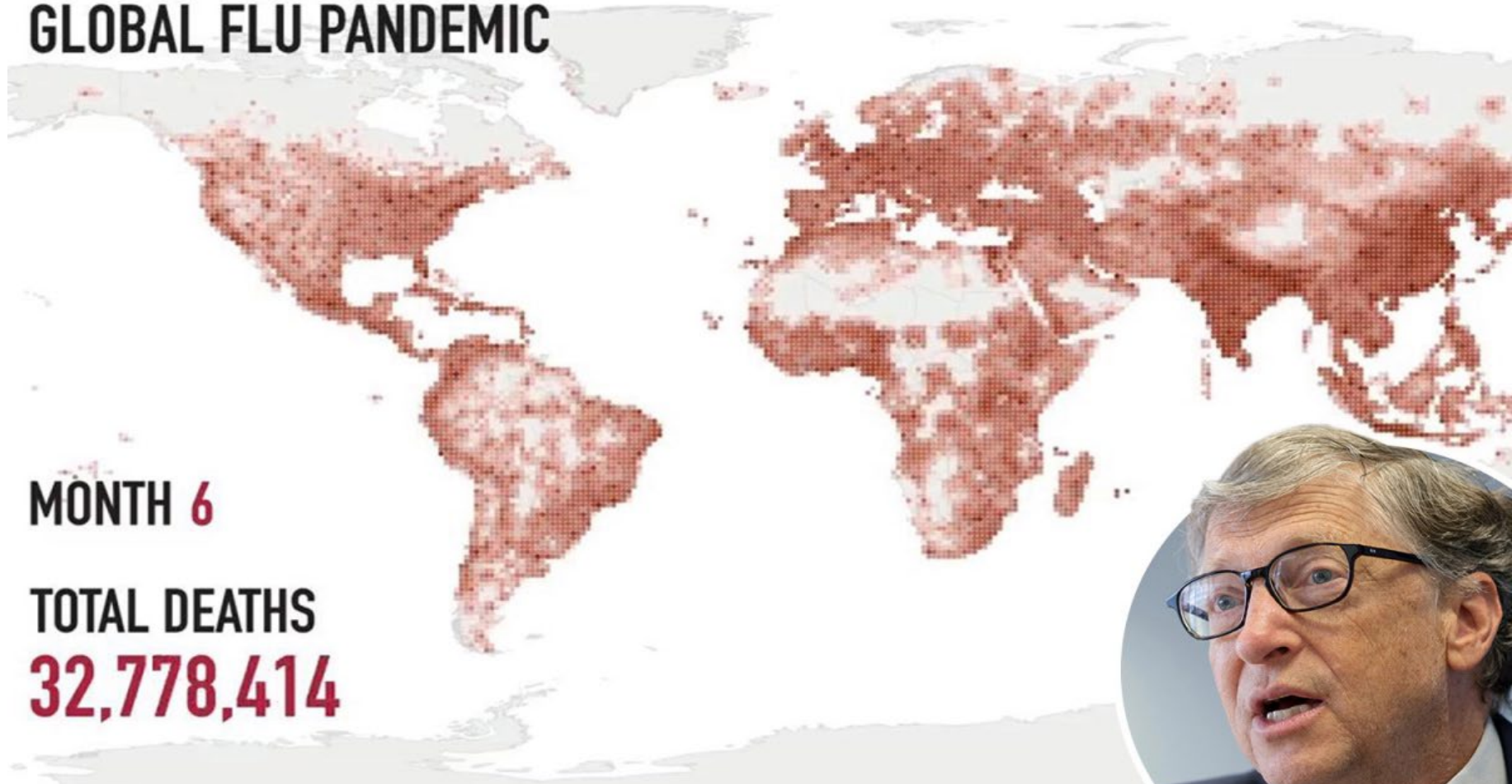
Taking Our Collaboration With Global Infection Control Consultants LLC To The Next Level

Dato' Dr Rajen Manicka



“The next “thing” that kills 10 million people will not be a missile but a microbe” Bill Gates

**SIMULATION
GLOBAL FLU PANDEMIC**



MONTH 6

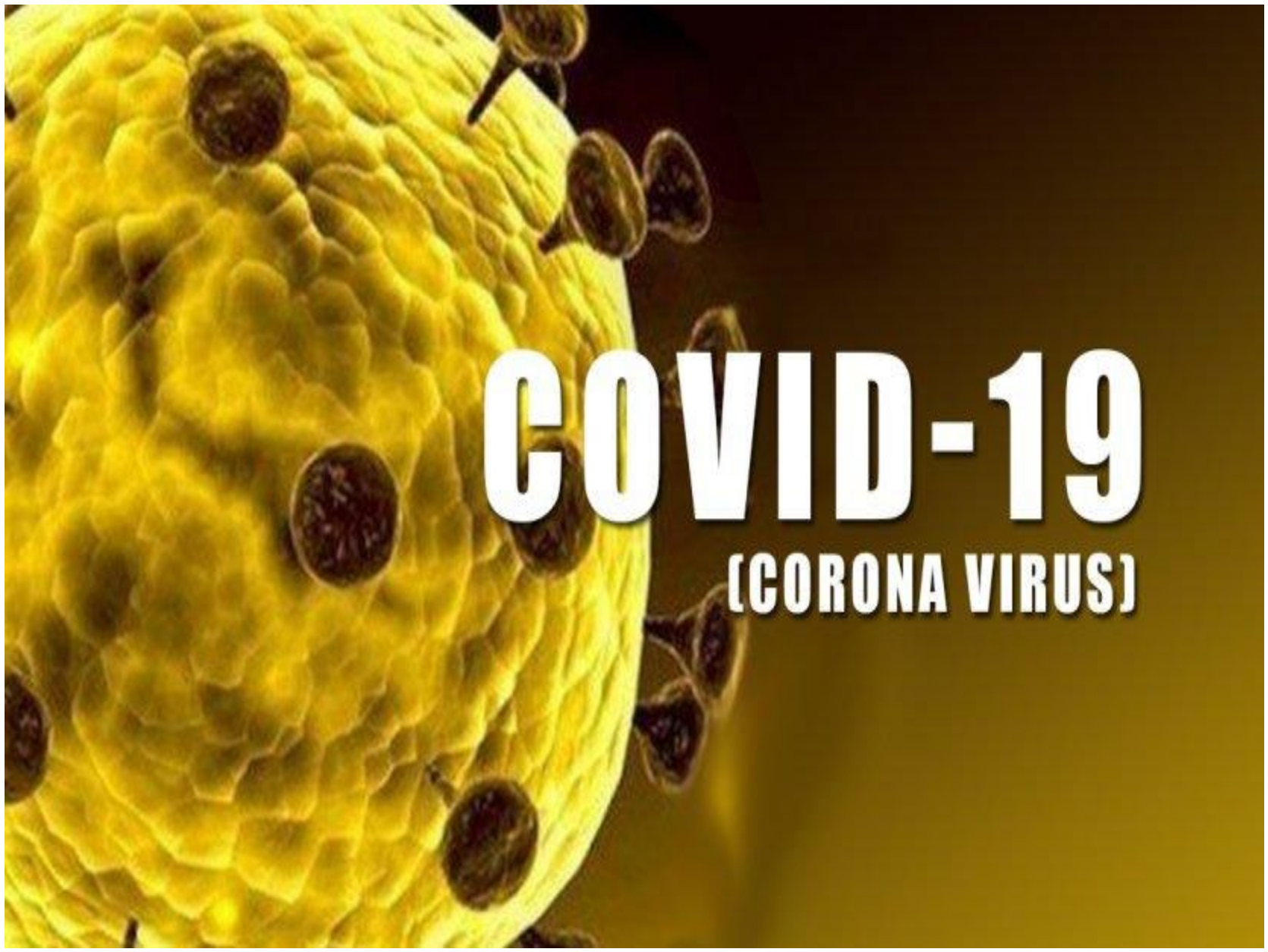
**TOTAL DEATHS
32,778,414**





NatShield™ Sanitizer

 **Path-Away®**



COVID-19

[CORONA VIRUS]

Various Corona Viruses

Notes

Cases as of Jan. 22.

| | Wuhan coronavirus (2019-nCoV) | Middle East respiratory syndrome (MERS) | Severe acute respiratory syndrome (SARS) | Common cold caused by coronavirus |
|----------------|---|---|--|--|
| Origin | First reported in December 2019 in Wuhan, China. | First reported in 2012 in Saudi Arabia. | First reported in 2002 in southern China. | Four coronavirus strains are thought to be responsible for 15-30% of common colds. |
| Transmission | Likely from touching or eating an infected, as yet unidentified animal. Human-to-human transmission occurs through close contact. | Often from touching infected camels or consuming their milk or meat. Limited transmission between humans through close contact. | Believed to have spread from bats, which infected civets. Transmitted mainly between humans through close contact. | Close contact with infected humans or touching a surface that carries the virus. |
| Cases | Around 500 confirmed; 17 deaths as of Jan. 22. Some victims were older males with preexisting conditions. | 2,494 confirmed cases; 858 deaths (as of Nov. 30, 2019). Mortality rate of 34%. | 8,098 cases; 774 deaths. Mortality rate of about 10%. | Millions each year. Generally nonlethal with rare exceptions. |
| Current status | Cases reported mainly in Wuhan, as well as other parts of China and Asia. One case reported in U.S. | All cases linked to Arabian Peninsula, with 80% in Saudi Arabia. Others in about two dozen countries, including U.S. Cases and deaths have been declining since 2016. | No new cases reported since 2004. 87% of previous cases in China and Hong Kong. | Circulates year-round, but more common in fall/winter. |

What is **NatShield™** ?

NatShield™

is all natural, alcohol free, rinse free
multi purpose sanitizer



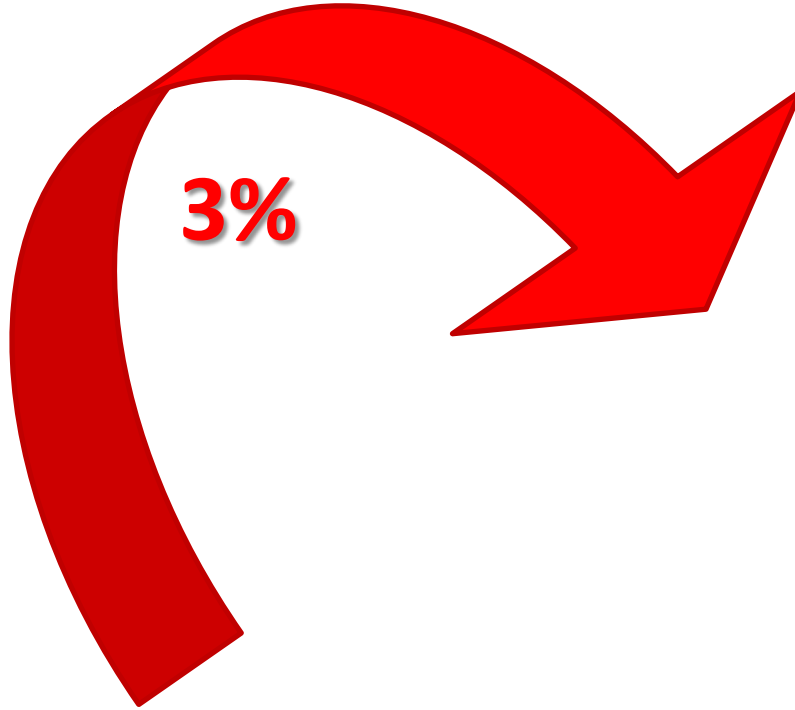
NatShield™

Cleans, *Sanitizes* and *Disinfects*.



NatShield™

Active Ingredient



PathAway™

<https://path-away.com/>



Properties of



- All natural
- Chemical free
- Non-toxic
- Alcohol free
- Non-volatile
- Totally soluble
- Non-corrosive
- Rapid penetration
- Thermo-tolerant
- UV-tolerant
- Biodegradable
- Antiseptic

| Bacteria | Fungi & Yeasts | Gram Positive |
|--------------------------------|-----------------------------|-------------------------------|
| Aerobacter aerogenes | Acremonium sp. | Bacillus subtilis |
| Alcaligenes faecalis | Alternaria sp. | Bacillus megatherium |
| Brucella intermedia | Arthrinium sp. | Bacillus cereus |
| Brucella abortus | Ascospores sp. | Bacillus cereus var. mycoides |
| Brucella melitensis | Aspergillus niger | Clostridium botulinum |
| Brucella suis | Aspergillus fumigatus | Clostridium tetani |
| Cloaca cloacae | Aureobasidium sp. | Corynebacterium acnes |
| Escherichia coli | Basidiospores | Corynebacterium diphtheriae |
| Escherichia coli | Beauveria sp. | Corynebacterium diphtheriae |
| Escherichia coli | Bipolaris sp. | Corynebacterium diphtheriae |
| Haemophilus influenzae | Botrytis sp. | Corynebacterium minutissimum |
| Klebsiella edwardsii | Calcarisporium sp. | Diplococcus pneumoniae |
| Klebsiella aerogenes | Candida albicans | Lactobacillus arabinosus |
| Klebsiella pneumoniae | Cercospora sp. | Lactobacillus arabinosus |
| Legionella pneumoniae | Chaetomium sp. | Lactobacillus casei |
| Loefflerella mallei | Chromelosporium sp. | Listeria monocytogenes |
| Loefflerella pseudomallei | Cladosporium sp. | Mycobacterium tuberculosis |
| Moraxella duplex | Curvularia sp. | Mycobacterium smegmatis |
| Moraxella glucidolytica | Drechslera group | Mycobacterium phlei |
| Neisseria catarrhalis | Epicoccum sp. | Sarcina lutea |
| Pseudomonas capacia | Epidermophyton floccosum | Sarcina ureae |
| Pasteurella septica | Exiophiala sp. | Staphylococcus aureus |
| Pasteurella pseudotuberculosis | Fusariella sp. | Staphylococcus aureus |
| Proteus vulgaris | Fusarium sp. | Staphylococcus aureus |
| Proteus mirabilis | Geotrichum sp. | Staphylococcus aureus |
| Pseudomonas aeruginosa | Keratinomyces ajelloi | Staphylococcus aureus |
| Pseudomonas aeruginosa | Lasiodiplodia theobromae | Staphylococcus aureus |
| Pseudomonas fluorescens | Memnoniella sp. | Staphylococcus albus |
| Salmonella choleraesuis | Microstroma sp. | Staphylococcus albus |
| Salmonella enteritidis | Monilia albicans | Streptococcus agalactiae |
| Salmonella gallinarum | Mucor sp. | Streptococcus haemolyticus A |
| Salmonella typhimurium | Myrothecium sp. | Streptococcus faecalis |
| Salmonella typhi | Nigrospora sp. | Streptococcus faecalis |
| Salmonella paratyphi A | Nodulisporium sp. | Streptococcus pyogenes |
| Salmonella paratyphi B | Oidium sp. | Streptococcus viridans |
| Salmonella pullorum | Paecilomyces sp. | |
| Serratia marcescens | Penicillium sp. | |
| Shigella flexneri | Periconia sp. | |
| Shigella sonnei | Saccharomyces cerevisiae | |
| Shigella dysenteriae | Trichophyton mentagrophytes | |
| Vibrio cholerae | Trichophyton rubrum | |
| Vibrio eltor | Trichophyton tonsurans | |
| | Additional Organisms | |
| Giardia lamblia | Influenza A2 Virus | |
| Entamoeba histolytica | Helicobacter pylori | |
| Chlamydia trachomatis | Campylobacter jejuni | |
| | Herpes simplex virus type 1 | |

Updated Fungal List

List updated

June 1, 2006

| | | |
|------------------------------|------------------------------------|-------------------------|
| Peziza sp. | Stachybotrys sp. | Ulocladium sp. |
| Phoma sp. | Stachybotrys chartarum atra | Ustilago sp. |
| Pithomyces sp. | Stemphylium sp. | Verticillium sp. |
| Polythrincium sp. | Taeniolella sp. | Wallemia sebi |
| Rhizopus sp. | Tetraploa sp. | Zygomycetes |
| Schizophyllum commune | Torula sp. | Zygosporium sp. |
| Scopulariopsis sp. | Tricholcladium sp. | |
| Spegazzina sp. | Trichoderma sp. | |
| Sporothrix sp. | Trichosporon sp. | |
| Sporotrichum sp. | Tritirachium sp. | |

Properties and efficacy as a disinfectant.

Path-Away[®] – Safe & Natural Product



NatShield[™]
Sanitizer

- ✓ Natural botanical solution
- ✓ Alcohol & chemical free
- ✓ Safe if swallowed accidentally

Can **NatShield™** kill the H1N1 virus?

YES

-By standards of
Ministry of Health Malaysia
tests with WHO Certified
Laboratory

Approvals

- United States FDA GRAS approved ingredient
- United States Environmental Protection Agency (EPA) exempted
- Listed in the United States Pharmacopeia
- New Zealand Environmental Agency approval as a “non-rinse” sanitizer
- Exempted by Australian Therapeutic Goods Administration (TGA)



Environmental
Protection Authority
Te Mana Rauhi Taiao

Certifications

BAHAGIAN KAWALAN PENYAKIT (DISEASE CONTROL DIVISION)
 KEMENTERIAN KESIHATAN MALAYSIA (MINISTRY OF HEALTH MALAYSIA)
 ANJAK 3, 4 & 5, BLOK ENH, KOMPLEKS E
 PUSAT PENYAKITAN KERAJAAN PERSEKUTUAN
 6200 PUTRAJAYA, MALAYSIA
 NO. TEL. : 63-8883 4527 NO. FAKS : 63-8883 4156 WEBSITE : http://www.dph.gov.my
 CERTIFIED TO ISO 9001:2000
 CERT NO. JKH 4987

No. Surat: BK (2) din/KM-17/BK/P073/10451 Jld 3
 Tarikh: 29 Oktober 2009

Dato' Dr. Rajen M
 Ketua Pegawai Eksekutif
 Tropical Botanics Sdn. Bhd.
 Unit 1201, Tkt 12, Armcorp Trade Centre, Pj Tower
 No. 18, Persiaran Barat, Off Jalan Timur
 46200 Petaling Jaya, Selangor

Y. Bhg. Dato',
BluOxy™ FOR H1N1 AS SANITIZER
 Dengan segala hormatnya, saya merujuk kepada perkara yang tersebut di atas serta surat Y. Bhg. Dato' bertarikh 2 Oktober 2009.

- Terlebih dahulu, saya ingin merakamkan ucapan terima kasih kepada pihak Y. Bhg. Dato' kerana mengemukakan cadangan kepada Kementerian Kesihatan mengenai penggunaan produk BluOxy™ bagi menangani wabak influenza A (H1N1).
- Setelah meneliti dokumen-dokumen yang disertakan, sukacita dinyatakan bahawa pihak kami tiada halangan untuk produk ini digunakan sebagai sanitizer berdasarkan rujukan kepada dokumen daripada Kromos Biotechnology (Lampiran A, B, C dan D).
- Kerjasama serta perhatian Y. Bhg. Dato' dalam hal ini amatlah dihargai.

Sekian, terima kasih.
"BERKHIDMAT UNTUK NEGARA"
 Saya yang menaruh perintah

(DATO' DR. HASAN BIN ABDUL RAHMAN)
 b.p. Pengarah Kawalan Penyakit
 Kementerian Kesihatan Malaysia

Persekitoran: 63-88834179 Faks: 63-88834156 Sektor: 63-88834175 No. 48833751 Fax: 63-88834175 No. 48834171 Faks: 63-88834171
 Caw. Seremban: 63-88834175 Faks: 63-88834171 Caw. Putrajaya: 63-88834175 No. 48834171 Faks: 63-88834171



DECISION

6 July 2011

1. Summary of application

| Application Code | ERMA200913 |
|--------------------------------------|---|
| Application Type | To import or manufacture for release any hazardous substance under Section 28 of the Hazardous Substances and New Organisms Act 1996 (The Act) |
| Application sub-type | Section 28A(2)(b) – least degree of hazard – based on the substance being formulated so that they have one or more hazardous properties and each hazardous property has the least degree of hazard for that property |
| Applicant | Global Air and Water Limited |
| Date Application Received | 10 June 2011 |
| Consideration Date | Consideration Date – 6 July 2011 Further information was requested from the applicant during the assessment of the application in accordance with section 32 and consequently the consideration was postponed for 9 working days |
| Purpose of the Application | To import or manufacture Path-Away Anti-Pathogenic Solution Concentrate Pre-Mix and Path-Away Anti-Pathogenic Solution 2.5% Mix, containing propoxy as a pesticide for use in air, water and plants. |
| Parties Notified | On 10 June 2011 the following were notified: The Department of Labour, The Ministry of Health, The Department of Conservation, and The New Zealand Food Safety Authority (ACVM Group) |
| EPA staff involved in the assessment | Stan Robertson – Advisor (Hazardous Substances) Margaret Keane – Advisor (Hazardous Substances) |
| EPA staff responsible for review | Matthew Allan – Advisor (Hazardous Substances) Jim Walters – Senior Advisor (Hazardous Substances) |
| Considered by | Rob Farling (Chief Executive, EPA) |



BioGro New Zealand Annex A Inputs Certification Programme

BioGro Number: 5479 Annex to BioGro Certificate Number: RN 2019-1

This Annex lists the products and services enrolled in BioGro's Input Certification Programme as compliant for use in organic production or food processing and handling under the standards and/or market access programmes as indicated below. This Annex is only valid when used in conjunction with the BioGro New Zealand Certificate of Compliance.

01 - Global Infection Control Consultants LLC (GICC)

| Category | Brand Name | Status | BioGro Organic | IFOAM | MPI OOMP - EU | MPI OOMP - USDA | MPI OOMP - Taiwan | JAS | Restriction |
|---------------------|------------|--------|----------------|-------|---------------|-----------------|-------------------|-----|--|
| Facility Management | Path-Away | R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | The operator must perform an intervening event between the use of any cleaner, sanitiser or disinfectant and the contact of organic food with that surface sufficient to prevent residual contamination of that organic food |



BioGro New Zealand Certificate of Compliance

This certificate confirms that the company and operations listed below are certified by BioGro

Company: **Global Infection Control Consultants LLC (GICC)**
 23 Countryside Court
 Bluffton
 South Carolina 29909
 USA

BioGro Number: **5479**
 First Certified From: **6 June 2014**
 Date of Issue: **14 October 2019**

| # | Operation Name | Operation Facility/Address | Scope of Certification(s) | Products |
|----|---|--|---------------------------|----------|
| 01 | Global Infection Control Consultants LLC (GICC) | 23 Countryside Court, Bluffton, South Carolina 29909 | Input | Annex A |

Certification Valid From: **1 August 2019** Renewal Application Due By: **20 January 2020**
 Anniversary Date / Certificate Valid to: **31 July 2020**

Certification Staff:
 Director:

The above named licensee is licensed to apply or direct the application of the BioGro Certification trademark provided the product has been produced in accordance with the BioGro Organic Standards by the licensee or under the licensee's supervision of the licensor named in this certificate. While all due care and skill was exercised in carrying out the assessment, BioGro New Zealand Ltd accepts responsibility only for proven gross negligence. This is not a legal document and cannot be used as such. This certificate remains the property of BioGro New Zealand Ltd to whom it must be returned if required.

Issuing Office:
 BioGro New Zealand Ltd
 Box 209
 115 Tully Street
 1st Fl
 Wellington 6011
 New Zealand
 Tel: +64 4 801 9741
 Fax: +64 4 801 9742
 Email: info@biogro.co.nz
 www.biogro.co.nz



Where to use **NatShield™** ?

Disinfect / sanitize:

- ✓ Hands
- ✓ Toilet seats
- ✓ Door knobs
- ✓ Countertops
- ✓ Trolley Bar
- ✓ Lift touch buttons



How to use **NatShield™** ?

- ✓ Use 1-2 sprays of **NatShield™**
- ✓ No rinse needed
- ✓ Each application provides protection up to 2 hours
- ✓ Apply into nose



Life After Covid 19

| Coronavirus Fatality rate: 2.7% | Cases 64,434 | Deaths 1,383 |
|---|-------------------------------|-------------------------------|
| US seasonal flu* Fatality rate: 0.07% | 13,000,000 | 10,000 |
| SARS Fatality rate: 9.6% | 8,437 | 813 |
| MERS Fatality rate: 34.4% | 2,494 | 858 |
| EBOLA Fatality rate: 43.9% | 34,453 | 15,158 |
| H1N1 Fatality rate: 17.4% | 1,632,258 | 284,500 |

Source: China's NHC, state media, other authorities

*US Centers for Disease Control and Prevention (CDC) estimated data from 2019-20 Season

The Grim Statistics

Total Confirmed

75,725

Total Deaths

2,128

Total Recovered

16,353

Now In Wider Region

- Europe
- North America
- Asia (minus Greater China)

Nasal Sanitizing Balm

- The weakest link on our face – the Nose
- The eyes
- The mouth

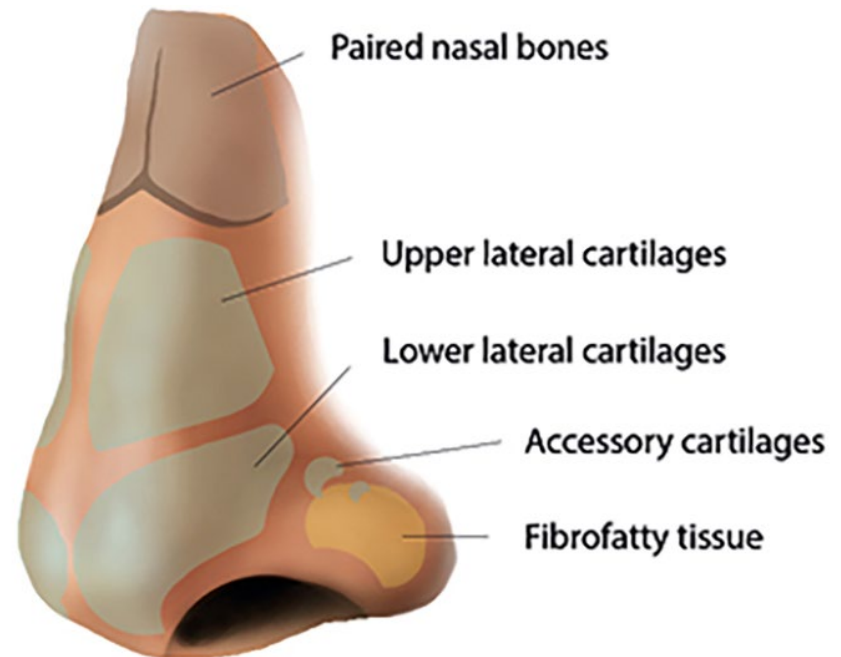
 **Path-Away**®



COMING SOON

How?

- A patented balm that keeps the Path-Away in the matrix for possibly 12 hours
- Path-Away is heat and light stable
- Odorless and colorless
- Non-irritant



Nasal Sanitizer Development Timeline

- All happening in 2020
- Patent filling – end March
- Prototype – April
- Testing – May
- Pre-launch – June
- Launch July

M3 System

The M3 System Explained



M1-Measure

We establish a baseline bioaerosol pathogen matrix of the facility.



M2-Manage

We construct a protocol based on laboratory results to manage pathogen levels that will enhance Infection Control policies and reduce nosocomial infections.



M3-Monitor

We formulate a comprehensive long term program with guidelines to monitor results that will keep the facility on track with their infection reduction goals.

Going Forward ...

- Current exclusive representation in as sanitizer in:
 - Asia Pacific (minus greater China)
- Now to represent the Europe market
- Marketing collaboration in North America
- To Develop Nasal Balm sanitizer (globally)
- To market the M3 System





**HOLISTA
COLLTECH**

GLOBAL
INFECTION CONTROL CONSULTANTS LLC

 **Path-Away®**