



The Pollen Press

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FUTURE ISSUES:

- New ERP System
- Pollenique
Cosmetic line

UPCOMING EVENTS:

- IFT 2010
July 17th-20th
Chicago, Illinois
Booth # 7435
- BioTaiwan 2010
July 22nd-25th
Taipei, Taiwan
- Hi Japan 2010
October 13th-15th
Tokyo, Japan
Booth # 2-505
- SupplySide West 2010
October 20th-22nd
Las Vegas, Nevada
Booth # 23094

G60WS Flower Pollen Extract

Graminex has developed a new water soluble Flower Pollen Extract™ formulation. G60™ WS is a fully clarified water soluble version of G60™. The G60™ WS is standardized to the nutrient profile found in supporting clinical studies for various indications. This product will provide exceptional solubility and clarity for application into the beverage industry including ready-to-drink products, dry drink mixes, coffees and teas. It also allows for a faster uptake and absorption into the body. In addition to the beverage industry, G60™ WS will also have applications in the food and cosmetic industries.

By creating a clarified version of our G60™ Flower Pollen Extract, we have been able to maintain the same levels of standardized essential and non-essential amino acids, enzymes and antioxidants in a fully water soluble format. G60™ WS can be readily

formulated into many applications.

Graminex continues to offer its customers the newest product developments while maintaining its commitment to providing the highest quality Flower Pollen Extracts™ in a timely manner.



Graminex G60™ WS Flower Pollen Extract

Graminex on Lifetime Network

Recently a representative from Graminex was on a television show called the Balancing Act, that airs on Lifetime Network. The Balancing Act is a women's morning television program that covers topics such as; news headlines, the latest innovations in health, family, finances, travel, pets, cuisine, beauty & fashion, and the environment. The show focuses on trends and tips, featuring the advice from the country's leading experts in their fields. The first showing of Graminex's segment "The Healing Power of a Flower" aired on April 22nd and again on May 6th at 7am EST. The full television segment is now available for viewing on our website.

The show features Graminex representative Rachel May and Dave Foreman, The Herbal Pharmacist® discussing the health benefits of Graminex Flower Pollen Extract™. They discuss this all-natural non-allergenic health supplement as a way to support the alleviation of menopausal and prostate symptoms.

Graminex is excited to branch into television media with its Flower Pollen Extract. It is one more tool to help educate people about the scientific benefits of our product. Please check out the show at the URL listed below or click on the link at our homepage www.graminex.com.



[http://www.graminex.com/
balancing_act.php](http://www.graminex.com/balancing_act.php)

Cosmetic Inline Filler

In order to enter the cosmetic industry, Graminex has purchased an inline cosmetic filling system. The filler is an automatic piston filling machine with six nozzles from Accutek Packaging Equipment Companies. It is constructed of food grade stainless steel, with easy to clean stainless steel, quick connect fittings and stainless steel product cylinders. Each of the nozzle heads will dispense an accurate measured volume of product into containers with little overflow, which is necessary for saving time and money. The quick connect fittings also allow for faster setup times during product changeovers.

This machine will be able to fill all of our retail cosmetic products, from our thickest extra dry formula to our thinnest facial renew formula with minor adjustments. It will also allow Graminex to private label our cosmetic formulas for customers. We will be able to fill rigid jars and lightweight squeezable plastic tubes for our entire cosmetic line. Once the containers are filled we will send them down the rest of our bottling line for capping, labeling, and cartoning.

With all of the cosmetic packing in-house Graminex will be able to meet product demands faster and more efficiently. Graminex is looking forward to entering the cosmetic industry with its new Pollenique® Personal Care Products. This new cosmetic line uses Flower Pollen Extract and other natural ingredients for highly effective skin care that is paraben free. Watch in our next issue for information on this new product line. Samples of the products are ready to ship on request. Please contact our office for information about our Pollenique® cosmetics (989) 797-5502.



Accutek AVF6 Automatic Piston Filler installed in our packaging line

Office Expansion

Graminex has expanded their office space in Deshler, Ohio. This will include three new offices and a large conference room. Graminex has had substantial growth in the past few years and needed more office space for new employees. The new offices are equipped with T5

High Output Fluorescent lighting and energy star windows to reduce energy costs. We also ran Category 6 (Cat-6) wiring to the offices for faster computing. This year Graminex will be adding an ERP (Enterprise Resource Planning) system to manage materials and people within the facility. This system will help streamline our documentation and take us one step closer toward being paperless.

The total expansion project was broken into two phases for convenience. The second phase will be a laboratory expansion to accommodate new testing equipment and laboratory employees. Graminex looks forward to continuing expansion as the company grows, with a new laboratory next on the list.



One of three new offices



Graminex now has a fan page on Facebook. We will be using this social networking website to announce events Graminex will be attending, such as tradeshow and seminars. This is also where we will be posting new products with pictures and announcements about product promotions. Feel free to contact us through this page with any questions or comments. You can find us at the URL listed below. Please come check out our page and become a fan of Graminex today!

www.facebook.com/Graminex

Wellness News: Antibiotic Use



In the past one hundred years medical advances in the area of antibiotics and the treatment of bacterial infections have been overwhelming. Life-threatening ear and skin infections, pneumonia, food poisoning, meningitis and other bacteria caused illnesses are now treatable with various antibiotics. Physicians rely on antibiotics to treat these illnesses along with infections that may occur as a result of medical procedures like surgery, chemotherapy and transplants. However, more recently doctors are reporting many cases of bacterial infections not responding to antibiotic treatments. Every time a person uses antibiotics, sensitive bacteria are killed, but resistant bacteria are left to grow and multiply. This is referred to as antibiotic resistance, which is a specific type of drug resistance where the bacterium has the ability to withstand the effects of the antibiotic treatment.¹

Antibiotic resistance is a growing concern for public health, with the list of resistant bacteria growing. Antibiotic resistance is increasing due to a number of reasons. The volume of antibiotics prescribed is the leading factor of bacterial resistance. One study found that many patients put pressure on their physicians to prescribe antibiotics, even though they do not have a bacterial infection.² Often times physicians will prescribe unnecessary antibiotics due to patient pressures, a lack of time to explain why they are not necessary or they are overly cautious for medical legal reasons. For example, a third of people believe that antibiotics are effective for the common cold virus, when they are not.³ Many patients do not complete prescribed antibiotic treatments when they begin to feel better, leaving behind all of the resistant

bacteria to reproduce. In 1995 a study estimated that up to half of all the antibiotics prescribed by physicians were prescribed inappropriately.⁴ This widespread, inappropriate use of antibiotics, greatly accelerates the antibiotic resistance process, making valuable treatments obsolete.

One of the most dangerous resistant bacterial infectious is *Staphylococcus aureus* or a Staph infection. This infection is now resistant to most antibiotics available and may be found readily in almost any environment. Other resistant infections include *Salmonella*, *E. coli* and pneumonia. With more infections resistant to antibiotics; seniors, children and patients with cancer, transplants and diabetes will be in the most danger. In order to slow the process of antibiotic resistance there are several things you can do.⁵

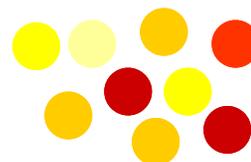
1. Do not take an antibiotic for a viral infection like a cold, cough or flu.
2. Only take antibiotics for bacterial infections.
3. Do not skip doses and complete the prescribed treatment.
4. Do not save antibiotics for the next time you get sick.
5. Do not take antibiotics prescribed to someone else.
6. Do not demand antibiotics when a physician has determined they are not needed.

Antibiotic resistance can cause significant danger for people who have common infections. Illnesses may become longer lasting which extends hospital stays and increases the need for more expensive and toxic medicines. Some of these infections may even cause death. The next time you are sick and go to see a physician make sure that antibiotics are the appropriate treatment for your illness. Do not assume that just because you are ill that antibiotics are the answer. Please use antibiotics wisely to continue their use for severe infections.

1. <http://www.who.int/mediacentre/factsheets/fs194/en/>
2. Pechere, J. C. 2001. Patients interviews and misuse of antibiotics. *Clinical Infectious Disease*. 33 Supplement 3. S170-3.
3. McNulty, C.A., Boyle, P., Nichols, T., Clappison, P., Davey, P. 2007. The publics attitudes and compliance with antibiotics. *Journal of Antimicrobial Chemotherapy*. 60 Supplement 1. i63-68.
4. www.keepantibioticsworking.com
5. <http://www.cdc.gov/getsmart/antibiotic-use/fast-facts.html>
6. http://en.wikipedia.org/wiki/Antibiotic_resistance

How does antibiotic resistance occur?

Before Selection



After Selection



Final Population



Resistance Level



Low

High

This shows a schematic representation of how antibiotic resistance happens via natural selection. The top section represents a population of bacteria before exposure to an antibiotic. The middle section shows the population directly after exposure, the phase in which natural selection took place. The last section shows the distribution of resistance in a new generation of bacteria. The legend indicates the resistance levels of individuals.⁶ Once a bacteria is exposed to an antibiotic repeatedly, the bacteria population becomes highly resistance. This poses a major problem for the medical community and the general population.

SupplySide East 2010



Anthony Coleman, Colleen May and Heather May in the booth at SupplySide East 2010



Cosmetic samples: Pollenique Silk™ Hand and Body Lotion and Pollenique Juvenescence™ Facial Renew

Drink mixes offered with G60™ WS included: Black Tea with Lemon, Lemonade and Green Tea Hibiscus



SupplySide East took place in Secaucus, New Jersey on April 26-28th in the Meadowlands Expo Center. This show encased hundreds of exhibitors presenting thousands of innovative ingredients. SupplySide East is an important meeting place for ingredient developers in the food, beverage, dietary supplement and cosmeceutical industries.

Graminex released its new water soluble G60™ WS Flower Pollen Extract and a full line of Pollenique® Personal Care cosmetics at this tradeshow. The G60™ WS was mixed into flavored drinks, provided by Sensus Flavor LLC, for tasting at the show from our new drink dispenser.

SupplySide East 2010 was a very successful show for us, with a lot of positive feedback on our new product offerings. The new G60™ WS in our lemonade drink mix was very popular. Graminex also experienced an overwhelming amount of interests in using Flower Pollen Extracts in various cosmetic formulations.

Graminex is very excited about the quality of leads obtained at this show and all the positive feedback received about our Flower Pollen Extract, especially the feedback about our new product offerings.

Employee Corner



**Elaine Sims
Customer Service**

This quarter's spotlight employee is Elaine Sims. She is a Customer Service Representative in the Saginaw, Michigan corporate office. Elaine has worked for Graminex part time since 1999 and has worked full time since 2006. She began working in the retail packaging department and has since then taken on customer service and secretarial roles. Elaine is responsible for taking all incoming retail orders from internet and phone sales, answering questions about our products and shipping retail orders.

In addition to her customer service role she also manages all the incoming ex-

pense receipts and files corporate expense reports.

One of Elaine's newest tasks is managing our social networking on Twitter. She not only tweets every day, but as a customer service representative she also responds to messages from customers or interested parties about Graminex and our products.

Everyone at Graminex recognizes Elaine Sims as an important part of the staff. We look forward to having her as part of the Graminex team for many years to come.

Suggestions or submissions for future articles can be emailed to the Editor Colleen May at bugs@graminex.com