

Fresh Harvested Bee Milk by Beetox

A Cell Based Anti-Aging Diet



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What is Bee Milk?



- ❖ Bee Milk is also known as royal jelly.
- ❖ Bee Milk is a **nutritionally rich** creamy substance produced by the nursing bee. Bee Milk shares the same homeostasis as breast milk and not only serves as the embryonic fluid but also food for the larvae.
- ❖ Bee Milk is fed to **all the larvae** for the first 3 days.
- ❖ For those first 3 days, all the larvae has the **same DNA**.

Why the DNA Changes



- ❖ The larvae's DNA changes when the diet changes.
- ❖ After 3 days, only the larvae selected to become queens are fed Bee Milk after the third day. The larvae in the cells filled with Bee Milk develop into queens.



Biological Differences



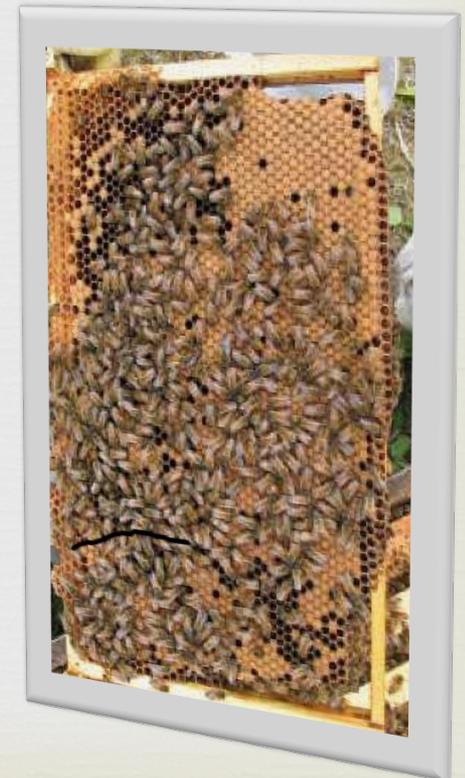
- ❧ This change in DNA triggers profound biological changes for these future queens.
- ❧ They develop reproductive organs, live longer and are larger than the worker bees. The worker bees live 35-40 days; the queen can live up to 6 years.



Because of her diet of Bee Milk



❧ The queen is the only honeybee in the hive capable of laying fertile eggs.



During her extended life span, she lays up to 1 ½ million eggs.

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The queen's remarkable strength, vitality, resilience and longevity is explained by just one single factor...

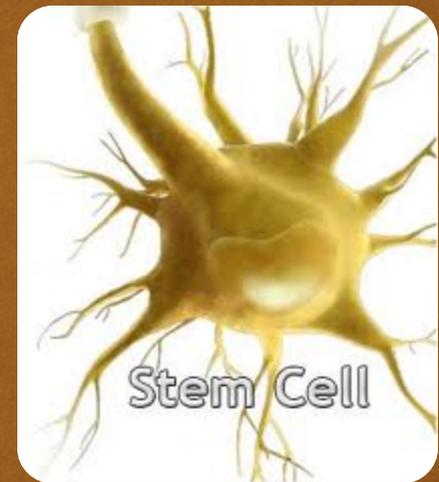


Her anti-aging cell based diet! Bee Milk is the only food the queen consumes during her entire life.

What is an Anti-Aging Cell Based Diet?



Regenerative Medicine



An anti-aging Cell Based Diet = “Regenerative Medicine”.

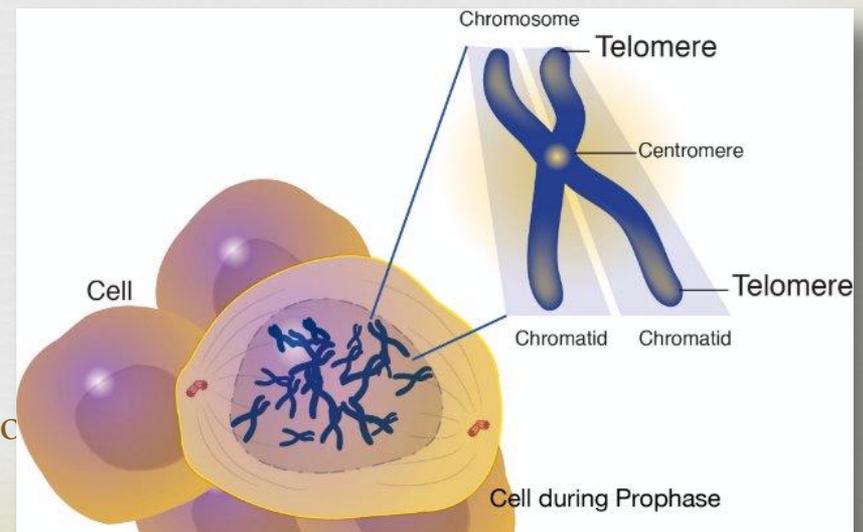


- ❧ “Regenerative Medicine” came from Bill Haseltine one of the early leaders in DNA technology. Since the 1990s, his research on anti-aging is making important advances on turning back the clock of aging in human cells by utilizing stem cells and their derivatives to regenerate or repair all the tissues of the aging human body.
- ❧ Basically regenerative medicine helps to reverse cellular aging.
- ❧ Immortal Stem Cells for Anti-Aging Therapies, Michael D. West, PhD, Life Extension, June 2010

Telomeres



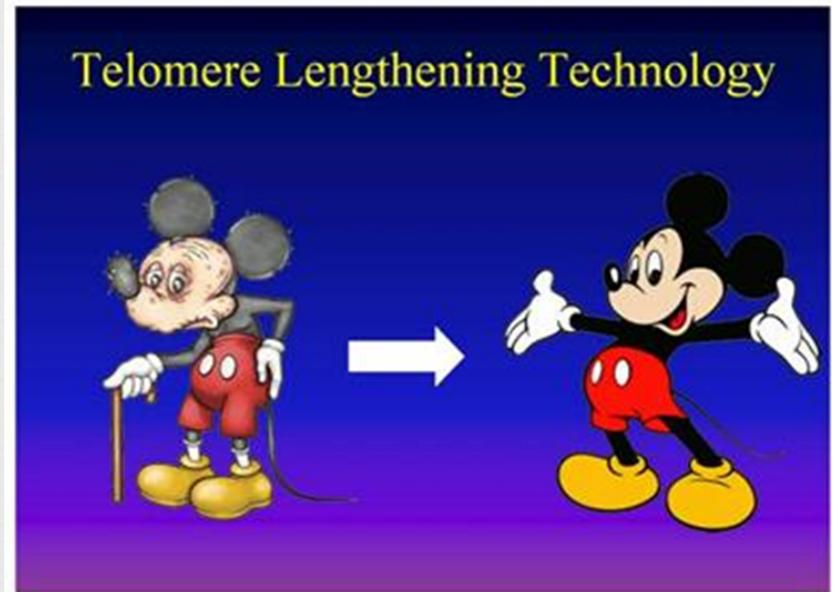
- As we grow older, our cells age, and the telomeres found inside the cells get shorter. Telomeres are the molecular clock of our cells and every time a cell divides they get shorter. Stress, poor diet, and obesity reduces the length. When these telomeres become shorter, there is less telomerase activity in the cell.
- Telomerase activity is a critical anti-aging enzyme needed to ward of aging and cell renewal.
- Immortal Stem Cells for Anti-Aging Therapies, Michael D. West, PhD, Life Extension, June 2010*



video



⌘ <http://www.youtube.com/watch?v=8vm29Zn8vXE>



Telomerase



- ❧ . Decreased telomerase activity means increased signs of aging. We start to lose our energy, feel weaker, wrinkles appear, and we develop age related diseases because our bodies don't have the same ability to regenerate or repair cells.
- ❧ *Immortal Stem Cells for Anti-Aging Therapies, Michael D. West, PhD, Life Extension, June 2010*

Anti-Aging

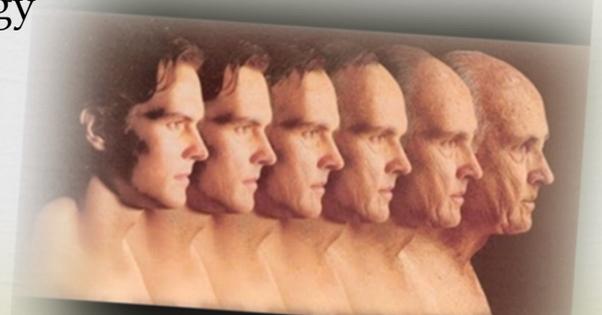


The goal of anti-aging research has been to discover ways to reverse aging by transferring **stem cells** into the body, and preserve **telomeres** to increase life span, improve overall health, and prevent disease. Scientists believe Bee Milk is filled with **potent antioxidants and its cell based properties** help sustain telomerase activity to tune down aging.

Immortal Stem Cells for Anti-Aging Therapies, Michael D. West, PhD, Life Extension, June 2010 Gerontol. 2007 Jul;42(7):594-600. Epub 2007 Feb 20. University of Ljubljana, Biotechnical Faculty, Food Science and Technology Department, Chair of Biotechnology



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Bee Milk=Supports Telomeres



✧ In 2003, a study by the Russian Academy of Medical Sciences found Bee Milk is loaded with peptides that stimulate telomerase activity.

✧ *St. Petersburg Institute of Bio-regulation and Gerontology, North-Western Division of Russian Academy of Medical Sciences, 2003.*

Bee Milk: Stem Cells



Keep in mind, Stem Cells serve as a sort of internal repair system, capable of replicating, dividing, renewing essentially without limit to replenish other cells in the body. These cells **“generate replacements for cells damaged or lost through normal aging, wear and tear, injury, or disease”**.

Source: In Stem Cell Information, World Wide Web. Bethesda, MD: National Institutes of Health, U.S. Department of Health and Human Services, 2009 [cited Wednesday, October 17, 2012]



Dog Bite

Royal Jelly:
Stem Cell Based Therapy



One week later



2 weeks later

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Bee Milk



Alternative Medicine

Skin Care

Nutritional Supplement

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Fresh Bee Milk

“Regenerative and Preventive”



Helps Improve Cellular Health

Helps Prevent Disease

Anti-aging Properties

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Fresh Bee Milk



- ∞ Delivers Antioxidant Support
- ∞ Helps regenerates cells
- ∞ and Supports Telomeres

It is an undisputed *scientific fact* that disease prevention, health, healing, beauty, and anti-aging all begin at the cellular level.



Because we have trillions of cells



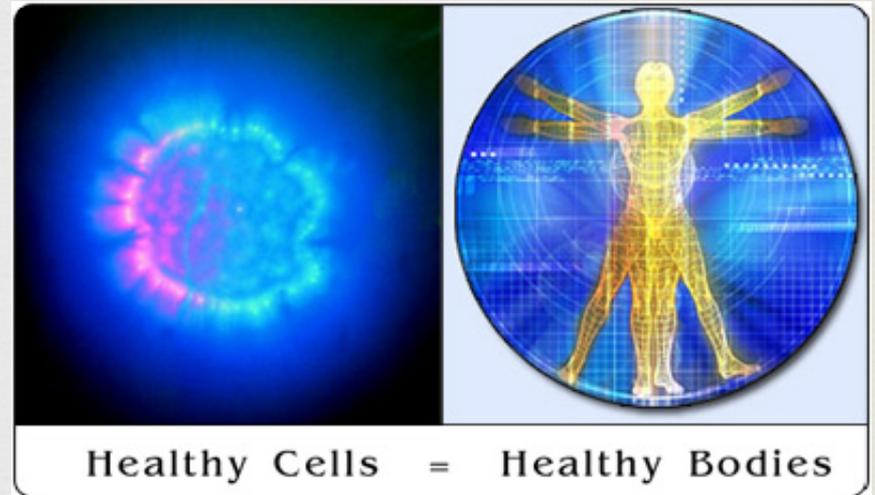
- There are 50-100 trillion cells estimated in the human body. There is no way to know exact number. The cells in your body are not static, always changing, many variables, your size, health condition, etc.



We need to take care of them!



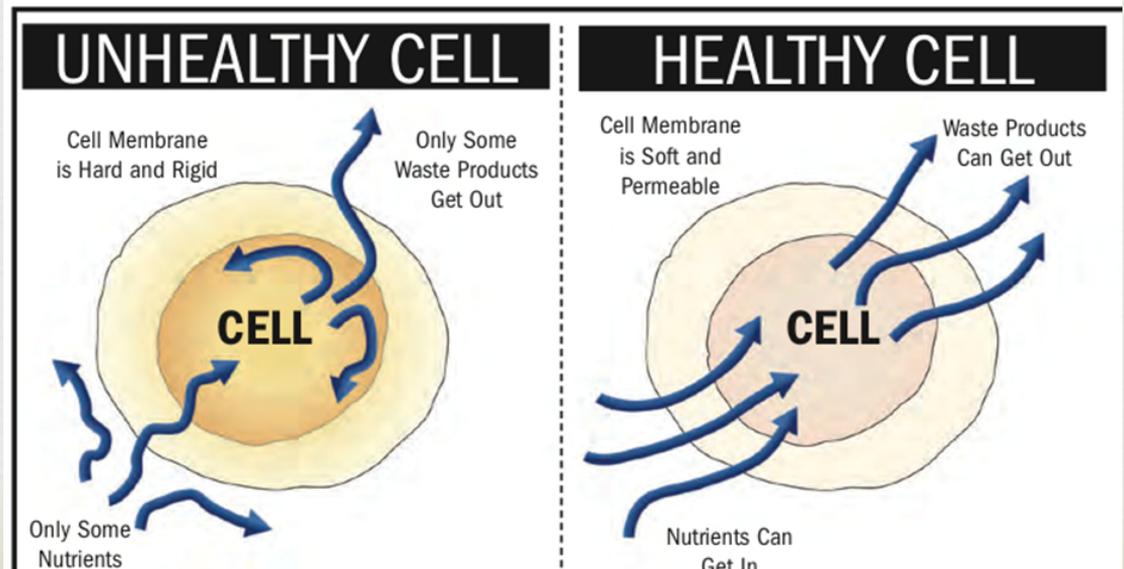
Cells need a clean environment, the right pH, oxygen and essential nutrients to survive. Bee Milk is one of those essential nutrients!



Scientists do know



☞ Disease is a result of cell damage, free radicals, depleted oxygen and pH imbalance.



✂ Joseph Issels and Otto Warburg, pioneers in cancer research firmly believed there was a direct relationship between pH and oxygen levels, weakening immune system and cancer cells.



Potent Antioxidant



☞ Bee Milk acts as a scavenger to the cell, which has been shown in laboratory studies to remove free radicals, restore PH and oxygen levels, and provides essential nutrients to the improve efficiency.

Gerontol. 2007 Jul;42(7):594-600. Epub 2007 Feb 20.
University of Ljubljana, Biotechnical Faculty, Food Science and Technology Department, Chair of Biotechnology

Results from a 2007 study



- Found Bee Milk decreases intracellular oxidation...affects growth and cell energy metabolic activity...and affects protein expression.
- Bee Milk also helps protect against oxidative stress-induced cell death in human cultured cells.
- Sources:** Exp Gerontol. 2007 Jul;42(7):594-600. Epub 2007 Feb 20. University of Ljubljana, Biotechnical Faculty, Food Science and Technology Department, Chair of Biotechnology; Chen HM, Muramoto K, Yamauchi F. Food Science and Technology Research [2005, 11(2):222-230]

Bee Milk is Beneficial



For Honeybees and Humans

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Bee Brainy Again



- ❧ The National Geographic wrote an article on July 10, 2012, on anti-aging that may help humans lead longer, better lives. Research published in the journal *Experimental Gerontology*, shows that aging honeybees can regain the brainpower of youth.
- ❧ This bee study looked at the different capabilities of young and old members in a colony.

Got their old job back



- ❧ Researchers removed the young, "nursers" bees from the hive and replaced them with older bees which had exhibited "age-associated learning deficits" toward the end of their six-week life expectancy.
- ❧ They took on the nursing responsibilities that they had fulfilled earlier in life, for example secreting "bee milk" for larvae.

Young Again



- ❧ The research led by Nicholas Baker of the Arizona State University School of Life Sciences reported that many of the older bees "were performing as well as the young "nurser bees" had.
- ❧ They're intelligent again! So what happened?"
- ❧ They started producing and secreting Bee Milk from their glands again...that's what happened!

Bee Milk=Regenerates Cells



- ⌘ According to a study in 2008 by the Department of Biofunctional Analysis, **Bee Milk has stimulatory effects on the generation of cells and promotes neurogenesis, the development of new brain cells, also increases levels of acetylcholine.** *Bee Milk is known to be a natural source of acetylcholine.*

3.Shoei Furukawa in 2008 at the Laboratory of Molecular Biology,
Department of Biofunctional Analysis, Gifu Pharmaceutical

Evidenced Based Research



Bee Milk helps to improve:
Heart health and cardiovascular function
Brain health
Enhanced Immunity
Joint health
Antioxidant support
Telomerase activity
Regulate Hormones men and women

Journal of Apicultural Research, 2004 41 (3-4) 75-82

Bull Exp Biol Med. 2003 Jun;135(6):590-2.

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Biomedical Research, 2011 22 (1): 1-8

Royal Jelly and neural regeneration. Brad Weeks MD. 2/7/2000

Throughout History



- ❧ Egyptians believes Bee Milk wards off aging.
- ❧ Mayans called it the “fountain of youth”.
- ❧ Orientals used Bee Milk in medicines for centuries.
- ❧ Hippocrates wrote it is a “medicine for several ailments”
- ❧ Aristotle wrote of its benefits, and the Greeks used it in a health elixir.
- ❧ Bee Milk is referenced in Bible, Koran &Talmud.

Few Bee Milk Enthusiasts



- ❧ Cleopatra 89BC (skin care)
- ❧ Alexander the Great 336 BC (nutrition)
- ❧ Marco Polo 1200-1300 (nutrition)
- ❧ Pope Pius XII 1950's (alternative medicine)
- ❧ Princess Diana (1980's) (skin care and alternative medicine)

These are just a few who used Bee Milk!

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Not all Bee Milk is



Effective

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Some has been



❧ 1. Altered

❧ 2. Manufactured

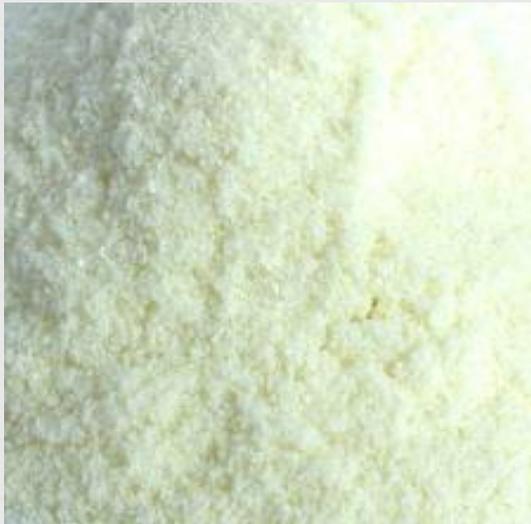
❧ 3. Compromised



Altered



☞ Bee Milk that has been heated, freeze dried, and or filled with preservatives may not be effective.



“Manufactured”



☞ Bee Milk that has been manufactured in labs

Synthetic vs. natural

Manmade vs. beemade!

May not be effective



Compromised



Bee Milk may be compromised due to exposure to varied temperatures, metals or contaminants during the packing and shipping which could also effect the properties.

Richard Allen of The Evening Standard, wrote *“Chinese medicines have been found to contain dangerous and illegal ingredients...could contain high levels of antibiotics”*, 2012.

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Scientists are not able duplicate RJ



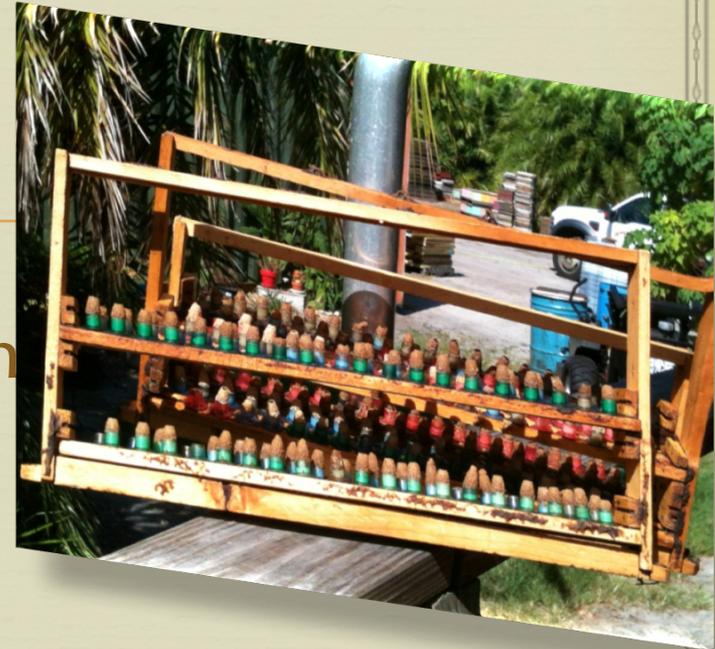
- ❧ Bee Milk continues to be an enigma...like honey scientists are unable to replicate...
- ❧ Because they are unable to identify all the properties or completely break down all the components due to a “missing intrinsic factor” therefore unable to “**duplicate its effect**”.

Source: The Royal Jelly Miracle, published 1958

Why is there limited supply of fresh harvested Bee Milk



Harvesting Bee Milk is labor intensive
You collect minuscule amounts
Costly to produce



How we Produce RJ



Port Saint Lucie, Florida

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Queen Yard



1. First we prepare starter hive in the AM



How we make a Starter

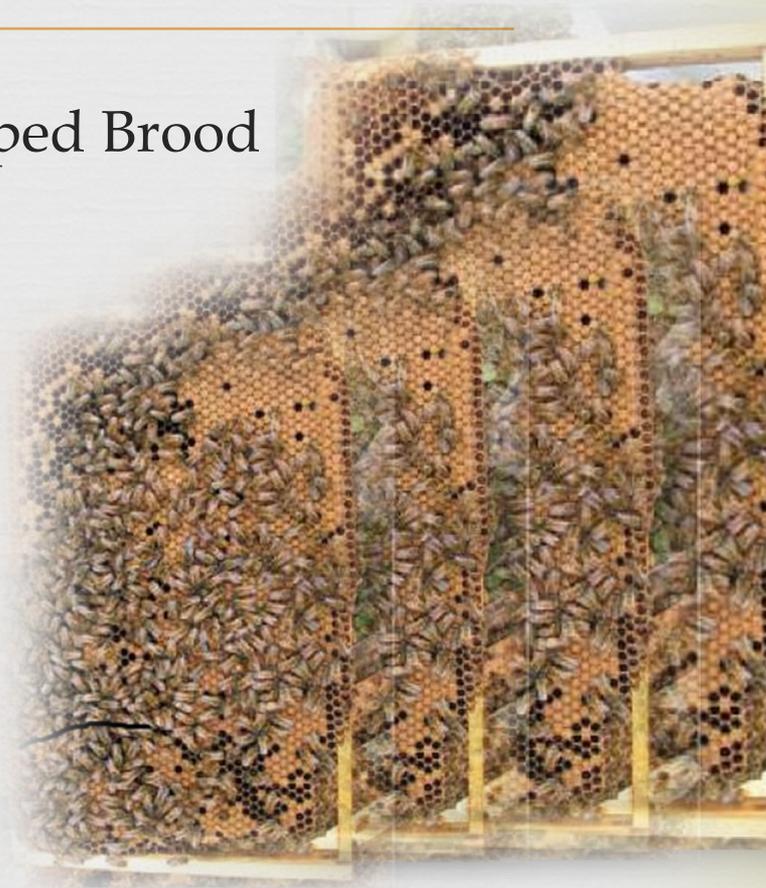
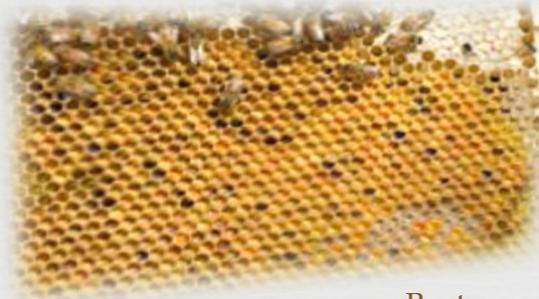


6 Frames of Capped Brood
Lots of young bees
1 Pollen Patty

1 gallon Feeder



1 frame of
pollen



OLDEST CAPPED BROOD

CAPPED BROOD

CAPPED BROOD

POLLEN

QUEEN CELL STARTER FRAME

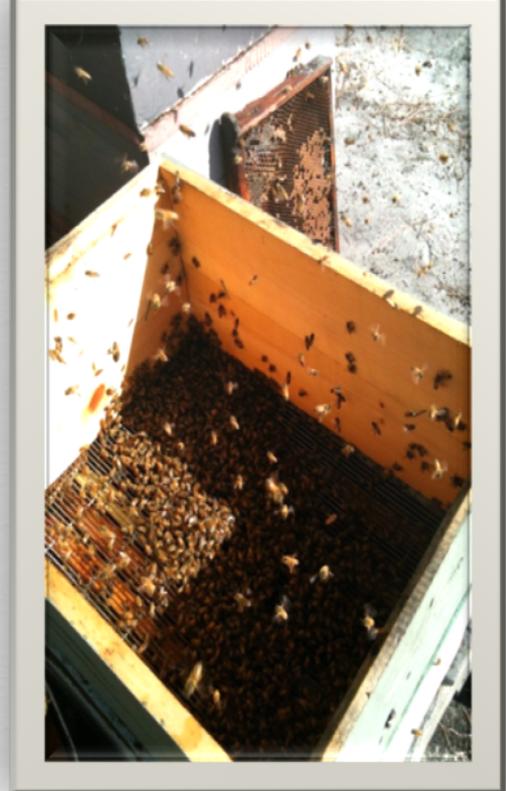
CAPPED BROOD

CAPPED BROOD

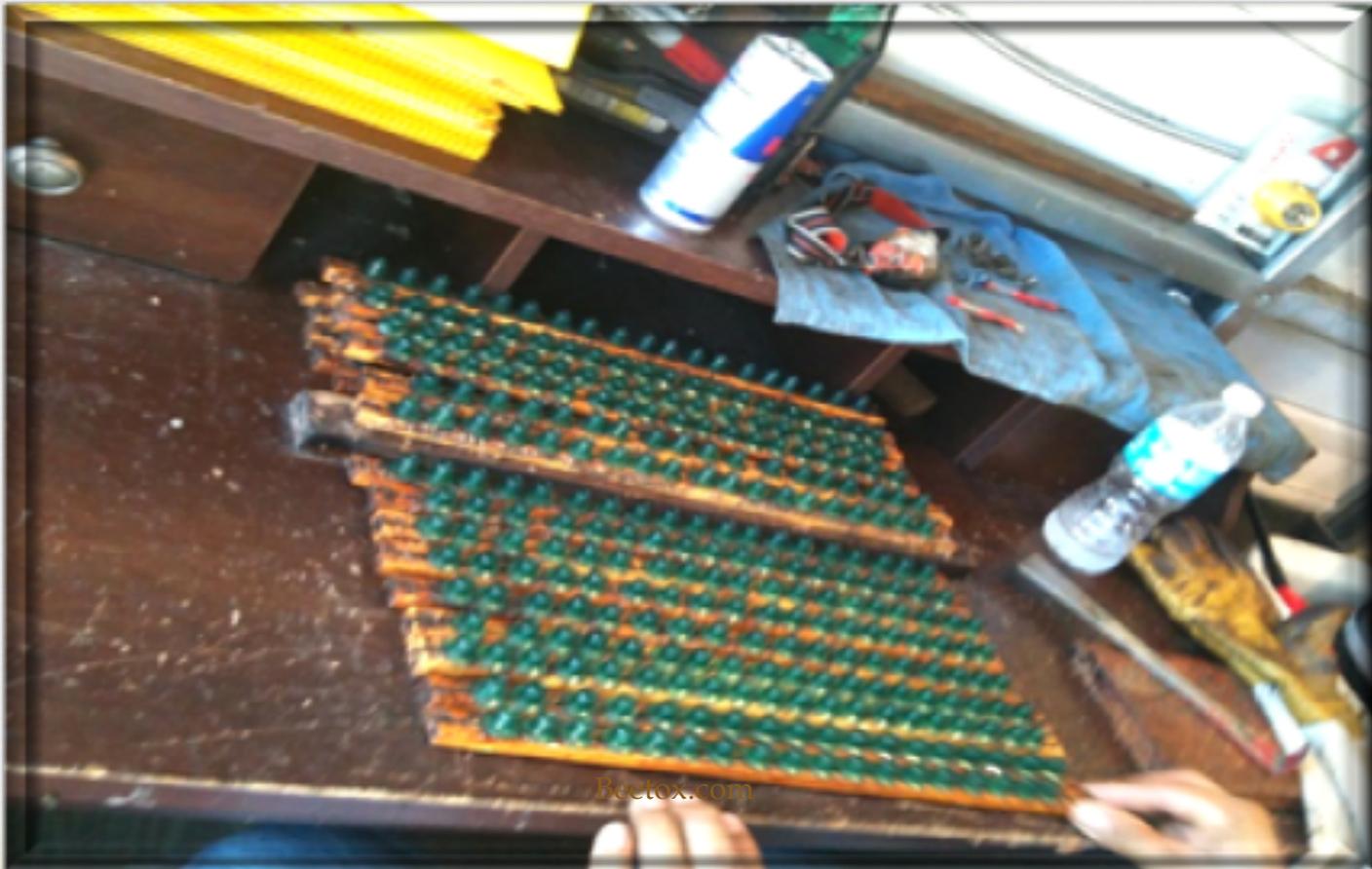
OLDEST CAPPED BROOD

FEEDER

Starter



2. Then we graft the cells in the PM



Grafting Tips



- ❧ Good eyesight is helpful
- ❧ Transfer one day old larvae into the artificial queen cups.
- ❧ Avoid damaging them with the grafting tool.
- ❧ Do not let the larvae dry out. Keep a damp towel on hand.

Steps to Grafting



- ❧ Prime cell cups with “real” Bee Milk
- ❧ Obtain 1 or 2 frames of brood for sufficient supply of 1 day old larvae
- ❧ Comfortable seating and good light source so you can see the bottom of the cells in search of the youngest larvae
- ❧ Do not submerge larvae or scrape off as you may kill them

3. Next, we place graft in finisher hive for 2 days

3



4. After 3 days we remove frames



5. Immediately scrape wax off the cell



6. Remove larvae



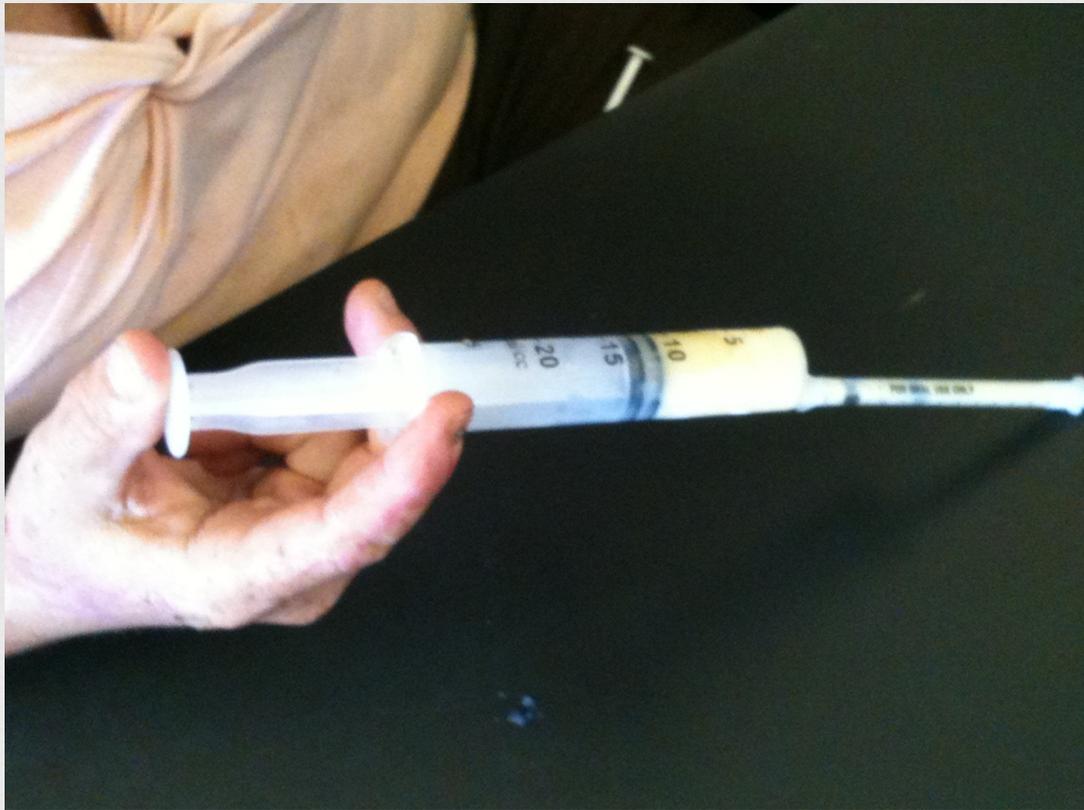
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7. Vacuum RJ into a large syringe



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8. Insert into oral syringes



Then the Bee Milk is



- ❖ Sealed
- ❖ Dated
- ❖ And placed in the refrigerator to preserve integrity.

How do you use RJ?



Our RJ is sold in 1 ml oral syringes (a 5 to 10 day dose per ml). You need to keep refrigerated. Daily use is suggested for best results.

❖ Suggested Oral Use:

Place 100-200 mg under tongue on empty stomach.

Or insert one syringe into 4-6 ounces of honey and take one teaspoon daily (does not need to be refrigerated).

❖ Suggested Skin Care Use:

Concentrated - Apply the royal jelly directly on affected areas, sparingly.

Mixed - Add a 1 ml syringe into a 4oz to 6oz jar of your favorite all natural moisturizer and store in refrigerator. Suggested to use daily for best results.

Benefits Customers Stated



- ❖ Periodontal tooth abscess problems
- ❖ acne, rash, and skin problems
- ❖ Improves immune system
- ❖ Increase sex drive and performance
- ❖ Increases energy, improves mood
- ❖ Reduces anxiety, hypertension and cholesterol
- ❖ Helps thyroid disease, diabetes
- ❖ Reduces symptoms of Lyme Disease, COPD, allergies, digestive issues, colitis, IBS
- ❖ Improves cognition, memory, ...

Nothing Better in Life



When our customers begin to undergo changes, they :

- ❖ Look and feel younger and healthier
- ❖ Regain their strength, become more energized.

BeeMade Honey

WEBSITE:

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Queen Bee Farm Location : Palm City, Florida