

# **Different Bee Products and their Uses**

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Insects are powerful animals on this Earth . Mostly insects are considered dangerous or risky to humans but some insects like honeys bees are one of those which is much beneficial for humans.

Beekeeping is not only manufacturing of honey , it also the production of different bee products and also essential for production of swarm and queen bee (Parlakay et., 2008).

# Bee Products

1. Wax
2. Pollen
3. Propolis
4. Royal Jelly
5. Bee Venom



# Wax

Wax is one of the important bee product which is produced by honeybees. Beeswax is generally cleaned in warm water bath. But with the passage of time, now it can be chemically altered . Beeswax includes a mixture of different fatty acids , paraffinic hydrocarbons and diesters.



# Uses

Beeswax is used to be source of light at home in the form of candle , also used in different work places . A mixture of wax with tallow made candle which is source of light .Adding of camphor into the candle for fragrance .

One of the more benefit for humans that it is also used for seal envelopes (Kilinc, 2011).

Profitable beeswax is used for casting of metal as well as in textiles varnishes and cosmetics

Moreover also used for making wax foundations and industrial purpose and polishes .Approximately it is used one third for medicinal preparations , one third part is used for imported wax which is generally used in cosmetics and rest for other and minor uses of wax.

# Pollen

Pollen is entirely a diverse plant product which is biologically rich active substances . A number of substances were present in pollen grains from different plant species . Honeybees collect pollen from nature source .A group of basic chemical substances and these are amino acids , carbohydrates , enzymes and coenzymes as well as vitamins (Campos et al., 2010).

## Uses

Pollen is used by bees is very important and fine to coarse powder having microgametophytes of seed plants , and it can produce male gametes (Anon, 2014g). Truly pollen is not dominated by bees as collected by pickpockets .

Bee pollen is also using for,

Alcoholism

Allergies

Stomach problems



Bee pollen is completely used down through the ages to remove allergy problems .

Bee pollen also works for the control of human weight . Use of bee pollen is regularly diet , it gives glow to the health

# Propolis

Propolis is an antifungal and antimicrobial substances (Marcucci, 1995., Kumova et al., 2002). It is natural source mixture which is produced by honeybees . Because of its waxy nature , bees use propolis for the management fo their hives for sealing opening and good source against external invaders like lizard .

Some bee breeds is using bee products propolis in hive for getting importance to be reared in recent (Kumova et al., 2002)





# Uses

Propolis is used for the management and protection of bees and beehives (Kolayli et al.,2010). In the form of alcohol or mixed with honey or some other drinks product propolis is used.

Preparations of medicinal products with the help of propolis , like tablets and injections .

Today , propolis is natural therapy present in many health food products in different combinations . Also used for cosmetics .

Moreover this bee product consists formulations for cold syndrome (Flu like infection), as well as for face problems . Due to its antiviral , it is generally used in human and pharmacacology

# Royal Jelly

Commonly royal jelly is secreted by bees which 5-15 days age. It has gel compactness in bone colour and has odd type smell, bitter taste and pH is 3.5. Now a days everybody believes that it gives fitness and renew cells (Anon, 2014f).



## Uses

In industrial scale , royal jelly is used as freeze-dried form because it is very easier and store to handle .Freeze dried royal jelly consist in the same item as fresh form.

Royal jelly helps to reduce illness and also prevent the stress on the human body which is caused by different vaccines. It is very important to keep in fridge that its bioactive compounds protect .

Moreover , it is very useful for children and adolescents because it promotes growth . Additionally , that royal jelly is one of the main component of numerous cosmetics that reinforce and also protect hair and nails .

Royal jelly is very effective for rebuild strength and care for different external attacks of body.

# Bee Venome



Bee venome is yellow in colour , bitter taste and crystallize when bee venome is direct contact to air substance . It consists of apamin histamine substances .

A honey bee can carry 0.05-0.3ml bee venome (Anon, 2014f). Moreover , it is transparent liquid dry easily at room temperature (Krell, 1996) . It consists of number of volatile compounds which are easily absent during pickpockets.

## Uses

Bee venome is used for orthopedic diseases, it also used for joint diseases.

Many companies starts to adding bee venome into products like moisturizers. It gives glow to skin in various wasys .

Bee venome is very effective against rheumatoid arthritis for reducing pain in body.

In last, bee venome is very famous in cosmetics preparations. It is natural substitute for botox. Bee venome is used to desensities people who are allergic to bee venome product.

So, beekeeping or apiculture can be carried out in a compatible form with different branches of agriculture and is a breeding made without soil cultivation (Inal and Guclu, 1998).

In order to get more benefits and increasing income for beekeeper information about different bee products . Positive information about these products consumers will increase the quantity of these products.

Wax	For creamy and younger looking skin
Pollen	Vitamins and protein source
Propolis	Natural source of antibiotic
Royal jelly	A good supplement for elderly
Bee venome	Ingredient used to desensitise against bee sting

# References

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