

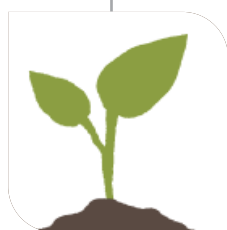
# 1 HISTORY AND DEVELOPMENT

This chapter will be focusing on the history and development of Organic industry. Because in order to understand more on one topic we should look deeper in to its background.

**B**EFORE the new modern era, particularly in early 20th Century, majority the food which grown across the world was still organic. At that time it was just food, it had not been called as organic food. Nobody had thought to use the chemicals substance into the soil in order to enhance the growth from the corps.

With the emerging of the petrochemical industries in early 1900s, agricultural try to find the way to optimize their result by doing research and focus on the chemicals that are required by plant and animal growth. Apparently, those chemicals is coming from finite resources, most of them are by-products of oil refining. This action actually could trigger another problems, and usually ignored until the problems became big.

We can take a lesson from the development and history of organic product in United States and Europe because their technology and regulation is reputed as mature industry in the agricultural world. Moreover it used by a lot of developing countries as a basic for their development and regulation of organic product.



## FOUNDATION OF ORGANICS

American and British publications form the foundation of organics. Writers in the United States and Great Britain - Sir Albert Howard, Rudolf Steiner, Lady Eve Balfour and J.I. Rodale to name a few - publish influential works introducing the basic idea of organics. They posit that the health of plants, soil, livestock, and people are interrelated. They advocate for an approach to farming based on working with natural systems rather than trying to control them.



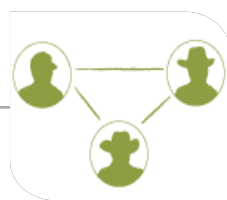
## FIRST USED OF DDT

**1939** - Paul Muller developed DDT (dichloro - diphenyl - trichloroethane), the first of a new class of insecticides - chlorinated hydrocarbons to counter the pest problems. Since then, a new way of farming emerged, where the use of chemicals was heavily promoted. This led to the outright dismissal of organic farming methods.



## CHEMICAL PESTICIDES AND HERBICIDES USED

Synthetic pesticides and herbicides are introduced to American agriculture as part of the Green Revolution.



## Natural Food Associates (NFA)

A loose network of farmers - including J. I. Rodale, Ehrnefried Pfeiffer of Kimberton Farm School, and Paul K. Keene of Walnut Acres Farms - shun chemical agriculture by farming organically and writing about their experiences.

Consumers gain increased access to organic food, with the forming of Natural Food Associates (NFA) in Atlanta, Texas, to help connect scattered organic growers with fledgling markets for organically grown foods.



## THE 'BE NATURAL' APPROACH

**1960-1970** The 'be natural' approach is growing as result of the growth of consumer interest in health and nutrition, the growth of the green movement, the focus on conservation and environmental issues stimulated the development of the organic market and encouraged farmers to adopt organic methods.



## SILENT SPRING

**1962** - Rachel Carson's Silent Spring is published. The book documents some of the negative consequences associated with chemical use in agriculture and gives rise to a new environmental consciousness and renewed focus on organic agriculture.

## DEVELOP THE U.S. NATIONAL STANDARD

**1990** - Organic Foods Production Act (OFPA) developed a national standard for organic food and fiber production. OFPA mandated that USDA develop and write regulations to explain the law to producers, handlers and certifiers. OFPA also called for an advisory National Organic Standards Board to make recommendations regarding the substances that could be used in organic production and handling, and to help USDA write the regulations.



## GROWTH OF ORGANIC CROPLAND

**1998** - The USDA's Economic Research Service releases a major study on the status of organics in the United States showing that certified organic cropland more than doubled during the previous decade and that some organic livestock sectors - eggs and dairy - grew even faster.



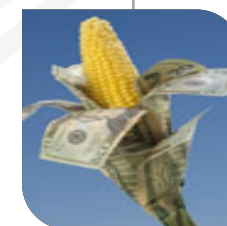
## OPPOSITION TO CHEMICAL PESTICIDES

**1973** - Consumer opposition to chemical pesticides grows. In United States started to bans the pesticide DDT, which some mark as the start of the modern environmental movement. The organics industry grows appreciably due to expanding consumer opposition to chemical pesticides coupled with a desire for food that is produced without harming the environment.



## IMPLEMENTATION OF U.S. STANDARD

**2002** - the Organic Standards arrive with the full implementation of the U.S. National Organic Standards takes place October 21st.



## MORE FUNDING ON ORGANIC RESEARCH

**2011** - US Government and non-government entities provide funding for research activities regarding to the sustainable agriculture including organic food and farming.



## REGULATIONS FOR RESIDUE LEVELS

**2015** - the European Union Council has decided about pesticide maximum residue levels and to oppose the adoption of a Commission regulation amending annexes II and III to regulation 396/20051 as regards maximum residue level for some chemical substances, such as Trichoderma polysporum.

1920s

1930s

1940s

1950s - 1970s

1980s-1990s

2000s-2010s