

# PHOSPHATIDYL CHOLINE

## INTRODUCTION

Phospholipids are the active component in soya and sunflower lecithins. Major Phospholipids which predominate in the membrane of many living cells are Phosphatidyl Choline Phosphatidyl Ethanolamine Phosphatidyl Inositol and Phosphatidyl Serine. Phosphatidyl choline, a vital amine, is the main component of cell membranes rich in linolenic acid & polyunsaturated fatty acids that provide fluidity to the cell membrane. Phosphatidyl Choline is critical for brain and

liver function. In the brain Phosphatidyl Choline is the precursor to acetylcholine, an important neurotransmitter involved in cognition and motor coordination. In digestion Phosphatidyl Choline is the part of the bile complex that emulsifies fats to facilitate the absorption of fats and fat-soluble nutrients.

## BENEFITS

### **Soya & Sunflower Phosphatidyl Choline - A Versatile & Essential Nutrient**

Versatile source of health promoting nutraceuticals

Purer, more nutritious and less expensive source of the potent fat emulsifier

High in polyunsaturated fats, help lower the blood cholesterol and reduces the risk of chronic diseases

Replaces damaged cell membranes, restores the structure and function of the cellular membrane

Helps in brain development, memory retention, and decreases the risk of heart diseases and cancer

Globally accepted in all developed countries like USA, UK, Germany, France and Australia

## APPLICATIONS

Today Phosphatidyl Choline has become the first choice of many industries like Health Food Products, Nutrients, Nutraceuticals, Natural Cosmetics, Hair Care & Body Care Products, Pharma Products and many more.



## LecichoMax 500 Suncolec 500 Phosphatidyl Choline 50

Basic raw material for manufacturing liposomes, nano-emulsions, oleogels, dermatological products and cosmetic applications

Used for liposomal vitamin delivery and other liposomal drug delivery system through oral and injection ways

Used to prepare a novel formulation with API's for parental and tropical delivery system

Recommended to prepare a drug delivery system - Solid Lipid Nano particles (SLN), that is emulsion of a molten lipid that is solid at room temperature

Improves the solubility & absorption of API that are barely soluble in water like Aprepitant

## LecichoMax 350 Soya Phosphatidyl Choline 35

Triple strength lecithin Soya Phosphatidyl Choline is the most important and natural essential phospholipid. It is an important nutrient and dietary supplement in healthcare and nutraceutical products.

Supports normal cellular membrane composition and repair

Helps normalise the body's pH

Supports Brain and Nerve Function

Promotes healthy Heart and Liver Function

Basic raw material for producing Alpha Glyceryl Phosphoryl Choline ( $\alpha$ -GPC)

Used in manufacturing soft gelatin capsules of essential phospholipids



## LecichoMax 300 & 400 De-oiled Soya Lecithin with high PC

Used as basic raw material for manufacturing serine

Helps improve and maintain cell membrane integrity and metabolism

Protects liver cells from viral damage, reduces fibrosis and prevents cell death from drugs, alcohol and other chemical toxins

Precursor in formation of a brain chemical called as Acetylcholine, an important neurotransmitter involved in memory and other cognitive functions

Provides nutrient support to the brain, hence can be used in memory booster formulations and for the treatment of Alzheimer's disease

Supports daily detoxification for optimal health and promotes healthy liver and heart function

Widely used in nutritional products for babies & gym supplements

# COMPANY NEWS

In the presence of all staff members as on 27th of July 2020, Management has conferred appreciation letters to selected team members for their dedicated work and sincere efforts during COVID -19 lockdown period.

Our inherent focus on Training & Development oozes out of our corporate value - Creativity & Innovation. We understand that Creativity & Innovation can be achieved through Learning & subsequently learning by Training & Development initiatives.

Recent Lockdown time came as a learning to all of us as we adopted online training modules. We approached trainers to deliver lectures on various topics to our members (working from home) through online modules. Thus, during last quarter we conducted 07 training sessions on various topics namely:

**Employer Responsibilities & Workforce during Lockdown**  
**Being More Agile & Responsive at these times**  
**Selling Skills & Strategies**

**How to Find International Buyers**  
**Payroll Process**  
**GST Issues & Solutions**

# Employee Satisfaction Survey : Recently we conducted this survey to know about the the satisfaction level & basic psychological makeup of employees about the company and its work culture. And we are delighted to convey that the Satisfaction level is Very Good with 73% rating.



# MESSAGE FROM MANAGING DIRECTOR

Hello Friends,

Greetings !

These days, the world is living in and fighting with the worst-ever pandemic COVID-19. In the recent past, the world has witnessed a long and strict lockdown which has adversely impacted the economy of every country and life of every citizen. Business activities since Jan 2020 are progressing at a very slow pace and the governments are struggling to maintain the GDP and Revenue collection. Instead of investing on development, the governments are forced to divert their resources to fight the COVID-19 pandemic. It has been learnt that 40 companies world-wide are working day and night to develop an effective vaccine for COVID-19 and hopefully by the beginning of 2021 we will have a safe and tested vaccine in our hands. Till then, we have

to be safe and continue this fight with Corona along with sluggish business activities worldwide. As per the estimations, after the World War II, this is when the world GDP may go down to the negative side. As a result, we may face higher unemployment, derailing of the GDP of most nations, and high inflation.

Looking at the facts mentioned above, it is very important for everyone of us to keep pushing our business activities in a positive manner to support our economy and society.

Wish you a happy festive season.

Girish Matlani



# WORLD SOYABEAN PROSPECTS

Hi Friends,

Welcome to another soyabean sowing season in South America and harvesting time in India and the US. I am presenting crop data of USA and India and expected crop estimates of Brazil and Argentina. This time, I am presenting the data in a tabulated format with last months estimates, for the ease of understanding.

## CROP PROSPECTS AND WORLD NUMBERS

(Figures are in Million Metric Tons)

Production	Final figures in October for 2020 - 21	September Estimate for 2020 - 21
USA Crop Harvesting	116.10	117.30
Brazil	133.00	133.00
Argentina	53.50	53.00
<b>World Total (Est.)</b>	<b>368.40</b>	<b>369.70</b>
India as per SOPA	10.455	11.700
China	17.50	17.50
Import China Estimate (MT)	98.00	96.00

Source USDA dtd. 09.10.2020



## CONCLUSION

Looking at the figures mentioned above, it is very clear that US and India will harvest a reasonable crop in the coming season. But prolonged rains and rains during harvest time in India may damage the crop greatly.

US crop harvesting is also very good, but funds are a concern as there is a lower carry-over stock vis a vis good upcoming demand from China.

On price trend, I can only say that there will not be any shortage of beans world-wide but the quality and upcoming harvest numbers are uncertain which will fuel a spurt in

## Some important points that need to be considered:

1. As per Australian Meteorological Department there are strong indications of La Nina from Oct 2020 to Jan 2021 which may result in warm and hot weather in South America and possibility of stress rains, which may cause further yield loss in Soya.
2. Due to excessive and prolong rains in India, the quality of beans has been impacted very severely and therefore, prices of beans have jumped sharply in the very start of season.
3. USDA has decreased world soya end-stock to 88.7 million tons as against 93.59 million tons. Even US end-stock is at an all time low of 7.9 million tons from 12.52 million tons.
4. Ukraine is witnessing huge shortage of sunflower seeds for crushing and expecting shortage of coming crop.

prices. In India, we may have a good crop number but with a bad quality and due to increase of MSP (Minimum Support Price) by \$ 23.00 per ton we may not get price reduction in this season too. Therefore to build your book is call of the day. Have a peaceful business season ahead.

Please keep your near and dear ones safe from COVID-19.

Wishing all of you a healthy life and business.

**Manoj Jain**  
VP, Supply Chain