

KEM GIBB

Product information sheet

Plant Growth Regulator with Gibberellic Acid, Precursors of Phytohormones and Chelated Micronutrients

Kem Gibb is a premium-class plant growth regulator containing Gibberellic acid, Cytokines, Precursors of Phytohormones and Chelated Micronutrients. KEM Gibb when used in crop production at the right crop stage ensures hormonal and nutritional sufficiency to ensure higher levels of yield with superior-quality of produce.

Kem Gibb is rich in the organic matter yet fully soluble in water. The organic base of the active ingredient ensures prolonged life with a higher level of product efficacy across various crops in growth improvement and yield enhancement. The timely application of Kem Gibb assures higher returns from the crops due to a higher percentage of marketable yield with superior quality of the produce fetching high rates from the market.

Mode of action:

Kem Gibb is to be applied as a diluted solution as a foliar spray to treat above ground portion or through a drip irrigation system to treat the root zone. The active principles are absorbed quickly by the plants through stomata openings, lenticels, cuticular fissions and root hairs. Being easily soluble in water, the active principles translocate to the growing points quickly to bring about sustained results on crops.

The active ingredients like Gibberellic Acid, Enzyme precursors and chelated micronutrients work in different ways to ensure a robust and healthy plant with a higher rate of metabolic efficiency in nutrient uptake, photosynthesis, carbon assimilation and improvement in yield and yield quality. Kem Gibb ensures the sufficiency of nutrients and growth factors in the plant system.

☑ Kem Gibb works synergistically at the cellular level to influence/stimulate various metabolic pathways to enhance the metabolic efficacy of the crops.

☑ Stimulates cell development and promotes cell elongation and cell multiplication.



- ☐ Stimulates inter-nodal elongation, bud breaking, flowering and fruit set.
- ☐ Enables the development of an ideal plant structure for better harnessing of light energy.
- ☐ Stimulates photosynthesis and carbon assimilation with lesser energy spent.
- ☐ Breaks seed dormancy when treated on the seeds; with higher percentage of establishment of young plants in the field.
- ☐ Precursors of enzymes and phytohormones stimulate the endogenous production of necessary growth factors to enhance the physiological efficiency of the crops.
- ☐ Provides essential micro nutrients required during critical growth stages to offset the nutritional deficiencies.
- ☐ Increases the uptake efficiency of applied and native nutrients from soils & substrates to promote vegetative growth.
- ☐ Reduces the drop of immature fruit and enables full maturation of fruits.
- ☐ Ensures ideal balance of phytohormones and enzymes in the plant system.

Economic benefits:

Kem Gibb when sprayed on the crops at critical stages will result in significant increase in economic returns from the crops. Some of the visible effects on the crop are as follows:

- ☐ Significant increase in the yield of the crops; ranging from 8 ~ 12 % depending on the crop.
- ☐ Higher percentage of productive tillers of cereal crops per unit area of the field.
- ☐ Increases percentage of filled grains (reduced chaff) in cereals.
- ☐ Higher production of pods, higher grain weight and increased oil recovery of oil seeds.
- ☐ Higher numbers of bolls in Cotton with superior quality of fibres.



- ☑ Robust growth of sugar cane, higher percentage of cane yield, higher recovery of commercial cane sugar, higher brix with high purity of sugar.
- ☑ Profuse flowering in vegetables & fruits with higher fruit set, increased picking days, higher yield, uniform colour and higher nutritive value of produce.
- ☑ Uniform size of tubers, higher percentage of marketable sized tubers, increased yield and returns from tuber crops.
- ☑ Early bud breaking, more number of plucking, higher yield of fresh leaves, increased yield and superior quality of made tea.
- ☑ Higher percentage of flowering shoots, extensive flowering, higher fruit set, higher percentage of marketable yield and superior quality of produce of coffee, cocoa, cashew etc.
- ☑ Increased vegetative growth & productive branches, uniform bud size and stalk length of cut flowers, complete expression of colours, delayed senescence of flower parts, higher extraction of essential oils and increased vase life.
- ☑ Ensures higher levels of yield with superior quality of the produce in terms of nutritive content, appearance, colour and firmness.

Dosage and directions of use:

Kem Gibb is a concentrated formulation and to be applied as a diluted solution either as a foliar spray or along with drip irrigation to treat the rhizosphere. Kem Gibb is compatible with all types of Agro-chemicals like insecticides, fungicides & water-soluble fertilizers except Bordeaux mixture.

a. As foliar application: Apply as dilute solution in clean water at a concentration of 2 ml per lt of water. The spraying is to be done to cover the entire foliage profusely till run off stage. Kem Gibb is not rain fast and if it rains within 6 hours of spraying, repeat the spraying. Spray either in the morning hours or in the evening hours when wind velocity is low. Ensure adequate soil moisture for best results.

b. As soil application: Apply through drip irrigation system at a concentration of 2 ml per lt of irrigation water. It is compatible with other synthetic fertilizers hence can be mixed in the fertigation tank while applying nutrients.

The time of application is very important to get the desired result. The ideal time to apply for long-duration crops is during the active vegetative stage and during the early flowering stage. For short-duration crops, one spray is sufficient during the active vegetative stage.

Dose of formulation in spray solution 2.00 ml per Lt of water

Ideal time of application First application during the active vegetative phase and second application during the early flowering stage.

Quantity of formulation required per Ha 500 ml to 1,000 ml depending on the crop

Pack sizes:

Kem Gibb is available in pack sizes of 1.00 Lt, 5.00 Lt, 20.00 Lt and 200 Lt. The product is packed in

HDPE Bottles and Virgin Plastic Barrels.

