



KIF GRAPE GUARD

PAPER
SLOW RELEASE
FAST RELEASE
PAPER

KIF LINER BAG

CORRUGATED BOX



- It offers protection and control over the Botrytis Cinerea fungus for large periods of grape transit and or storage time.
- It keeps the grape rachis fresh and green.
- Supports the maintenance of the optimum condition of the grape.

EXTENDS LIFE UPTO 90 DAYS

KIF Grape Pads



The Keep It Fresh Grape Pads are used for the protection of export table grape during storage and shipping. KIF Grape pads release SO₂ from its pads are being manufactured under highest and most stringent quality standards in terms of raw materials, processes and final product. The pads have multiple layers of paper that have SO₂ releasing chemicals in between.

The paper on printed side is also micro-perforated to allow quick release of SO₂ gas. The technology allows for water activation of the pads to quickly release SO₂. Simply sprinkle water on the printed surface of the pad and the water or the moisture can interact with the chemical inside for a faster and instant release of the SO₂ gas. KIF grape pads are based on the sustained release of sulfur dioxide from the sodium metabisulfite salt, contained between two paper layers. Humidity inside the grape box reacts with this salt, thus generating sulfur dioxide (SO₂). The gas is then slowly released owing to the semi-permeable barrier, controlling the development and/or spreading of Botrytis cinerea, one of the main post-harvest diseases affecting table grapes.



APPLICATIONS

- Protection of Fresh fruits, vegetables and flowers from fungal effect.
- Increases the shelf life of produce.
- Inhibits growth of mould and fungus and absorbs unrequired moisture

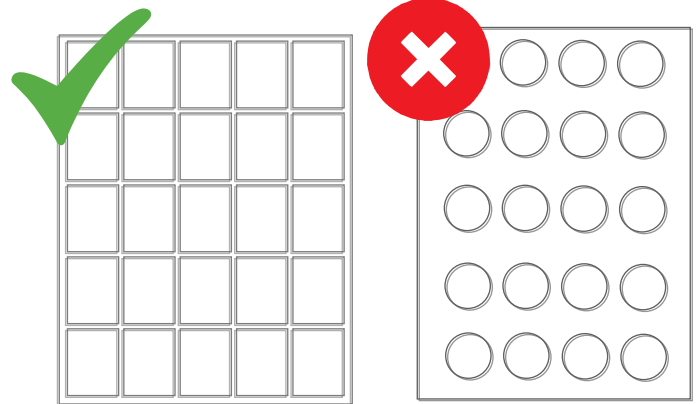


EXTENDS LIFE UPTO 90 DAYS

THE TECHNOLOGY



1 Keep It Fresh Cell Based Emission technology allows more coverage area for the grapes against the tablet based emission technology which is obsolete and not worthy of providing adequate protection



KIF Cell Based Emission
90% Coverage Area

Tablet Based Emission
40% Coverage Area

2 Keep It Fresh products are made with **SSR** Technology Speedy SO₂ Release where the first release happens immediately after placing the pads. 20% is released within seconds to 2 hours and remaining 80% over 120 days



3 Keep It Fresh Grape Guards are made from FSC compliant papers which means we do not cut the trees to manufacture the pads to contribute the environment consciousness.

The content is 82% or more bio degradable compared many old technologies that have only 25-35% biodegradable content



4 Keep It Fresh Grape Guards papers can sustain humidity test for 90% rH for 120 days without any substantial degradation



EXTENDS LIFE UPTO 90 DAYS

Laboratory Testing

UP TO
5X
LIFE
EXTENSION



5 weeks cold storage

8 weeks cold storage



Visual representation from the top of SO₂ treated Crimson Seedless grapes after 5w and 8w cold storage (-0.5 °C) + 4d shelf life (10 °C)

- Prevents Botrytis Fungus Decay
- Reduces stem browning
- Maintains Desiccated stems
- Reduces berry splits
- Reduces lose berries
- No SO₂ damage

Sizes	- Active Content
25 x 32 cm	- 5 gm
35 x 47 cm	- 10 gm
25 x 47 cm	- 7 gm
35 x 51 cm	- 10/12 gm

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EXTENDS LIFE UPTO 90 DAYS