

TECHNICAL PRODUCT SHEET

Product

Fasal Amrit or EF Polymer

Product Category

100% organic pectin based hydrogel (SAP) prepared from fruit waste.

Technical Certification

Japan organic Certificate

EU Ecocert

USDA Ecocert

CE Mark

Product Description

Our organic water retention polymer (FASAL AMRIT/ EF POLYMER) is made from bio-waste like orange peel and banana peel. Our water-insoluble polymer is a three-dimensional network structure, cross-linked with UV-light. Due to this mechanism, it can absorb water 80-100 times than its dry weight and gradually release the same. This is stable in the soil for a minimum period of 6 months.

Mode of Action

When water is given to a field or product, it absorbs the excess water and keeps it holded within and releases it as and when required by plants by the process of Osmosis.

Area of application

Can be utilised for agricultural crops, fruit trees and other plantations, home and kitchen gardens, etc.

Agriculture

It is crop neutral and hence can be used in any field crop including but not limited to Tomato, Potato, Okra, Wheat, Rice, Sugarcane, etc.

Suggested doses: 5-7 Kg/Acre or 12.5-15 Kgs/Ha

Forestry

Standard doses for forestry trees should be around 45-60 gms per tree depending on the age of the tree.

Ornamentals & Pot plants

Depending on the pot size, the amount of 5-10 gms per pot is sufficient.

Application recommendation & Remarks

- 1. The product (EF Polymer/Fasal Amrit) can be mixed with soil during field preparation as per the doses or treatment decided.*
- 2. It can also be added during first intercultural operations when slight field opening is done.*

3. *It can be applied to fields by the use of seed drills as well.*
4. *In case of transplanting, the field can be prepared with the product and then transplanting can be done.*
5. *For pot, the hydrogel should be mixed with pot soil and this mixture should be filled in pot.*

Storage Instructions

- *Store it in a cool dry place.*
- *Avoid storing in a high humid place.*

Safety guidelines

- *Cover your face while broadcasting hydrogel on field.*
- *As it is completely organic, it is safe to use bare handed.*

Product Characteristics

- Appearance: Granule/ Powder form
- Odor: Tangy
- Specific Gravity: 1.11 g/mL
- Solubility in Water: Swells in water
- pH: 4.5-6.8
- Electrical Conductivity: 250-300
- Melting Point: 267 °C

Producer

EF POLYMER PVT. LTD., INDIA, 313002
A Product made in India.

www.efpolymer.com