

FAQ's – JAIVIZYME (Liquid / Granules)

1. What is JAIVIZYME?

JAIVIZYME is a premium biostimulant and fertilizer for healthier crops to get optimum yield.

2. What is the composition of JAIVIZYME?

Ingredient	Liquid	Granules
Potassium Humate	10.00% w/v min.	05.00% w/w min.
Aqua media	90.00% w/v max.	–
Humus matter granules	–	98.00% w/w max.

Humates being extracted from the highly bio-active substrate, inherently contain traces of important macro and micro nutrients as follows.

N	Mg	Mn
P	Fe	B
K	Zn	Mo
Ca	Cu	

3. What is the dosage of JAIVIZYME?

Liquid: Dosage: 2ml per litre of water

Granules: 4 kgs per Acre : Field crops, vegetable crops, Repeat after every 45-60 days
150 gms per plant : Fruit crops, Repeat after every 45-60 days

4. How should I mix or apply this product?

Liquid: Mix the recommended quantity (2 ml per Lit. of water) thoroughly in sufficient amount of water & spray on both sides of the leaves / Drench to the soil for better root and plant development.

Granules: Directly broadcast the recommended quantity to the soil with uniform distribution over the coverage area.

5. How does JAIVIZYME act in providing nutrition to plants?

a truly novel formula containing Potassium Humate with inherent nutrients is derived from Organic sources rich in Organic Carbon to improve the quality of soil and resultant plant growth. Potassium humate is derived from organic matter which is rich in mineral and organic substances essential for plant growth. The numerous benefits of this combination formula include:

- ✓ Potassium chemically changes the fixation properties of the soil.
- ✓ Neutralizes both acid and alkaline soils; regulate the pH-value of soils.
- ✓ Improves and optimizes the uptake of nutrients and water by plants.
- ✓ Increases buffering properties of soil.
- ✓ Acts as natural chelator for metal ions under alkaline conditions and promote their uptake by the roots.
- ✓ Rich in both organic and mineral substances essential to plant growth.
- ✓ Retains water soluble inorganic fertilizers in the root zones and reduce their leaching.
- ✓ Possesses extremely high cation-exchange capacities.

- ✓ Promotes the conversion of nutrient elements (N, P, K + Fe, Zn and other trace elements) into forms available to plants.
- ✓ Enhances the uptake of nitrogen by plants.
- ✓ Reduces the reaction of phosphorus with Ca, Fe, Mg and Al and liberate it into a form that is available and beneficial to plants. The productivity of particularly mineral fertilizers is increased considerably.
- ✓ Liberates carbon dioxide from soil calcium carbonate and enable its use in photosynthesis.
- ✓ Helps to eliminate chlorosis due to iron deficiency in plants.
- ✓ Reduces the availability of toxic substances in soils.
- ✓ Biologically stimulates the plant and the activities of micro-organisms.
- ✓ Stimulates plant enzymes and increase their production.
- ✓ Acts as an organic catalyst in many biological processes.
- ✓ Stimulates growth and proliferation of desirable micro-organisms in soil.
- ✓ Enhances plant's natural resistance against disease and pest.
- ✓ Stimulates root growth, especially vertically and enable better uptake of nutrients.
- ✓ Increases root respiration and root formation.
- ✓ Promotes the development of chlorophyll, sugars and amino acids in plants and aid in photosynthesis.
- ✓ Increases vitamin and mineral content of plants.
- ✓ Thickens the cell walls in fruits and prolong the storing and shelf time.
- ✓ Increase germination and viability of seeds.
- ✓ Stimulates plant growth (higher biomass production) by accelerating cell division, increasing the rate of development in root systems and increasing the yield of dry matter.

JAIVIZYME - THE DYNAMITE POWER HOUSE OF NUTRIENTS

JAIVIZYME, containing humates which are extracted from the highly bio-active organic substrate, Lignite, inherently contains several important nutrients. Typically following nutrients are present along with almost 18 to 22% Organic Carbon.

Total N (%)	0.0300
Total P (%)	0.0020
Total K (%)	3.5000
Total Ca (%)	0.0340
Total Mg (%)	0.0080
Total S (%)	0.0190
Total Fe (ppm)	0.0085
Total Zn (ppm)	0.0005
Total Cu (ppm)	0.7000
Total Mn (ppm)	0.0008
Total B (%)	0.0006

6. Can we mix Jaivizyme Granules with N, P, K and apply?

Jaivizyme Granules are organically rich source of nutrients and soil conditioner for the soil. Mixing Jaivizyme Granules with fertilizers is absolutely safe and will not pose any problems.

7. Should Jaivizyme be used in seedling stage?

Jaivizyme being a high quality growth supplement for the plants, it can be used at any stage of the plant growth.

8. What is the difference between the Jaivizyme Granules and other bentonite granules?

Apart from Jaivizyme Granules containing high-quality Potassium Humate extracted from highly bioactive organic source (lignite), the carrier material used in Jaivizyme Granules for forming the granules is also lignite. Other granules mostly use Bentonite as the carrier material, which is totally inert and devoid of any nutritional functionality. Thus with Jaivizyme Granules, even the carrier material is also humus matter containing all the inherent nutrients like: Traces of N, P, K, Ca, Mg, Fe, Zn, Cu, Ma, B, Mo.

9. Can Jaivizyme Liquid be used in drip irrigation?

Jaivizyme being a wholesome growth supplement can be used in drip irrigation as well as soil application, apart from the recommended foliar spray. For drip irrigation, the dosage could be slightly higher (4-6 ml per litre of water).

10. Does spray work in high temperatures?

Temperatures exceeding 40°C could delay the activity of the spray. Therefore the spraying operation is always recommended to be carried out early morning.

11. After spray, if it rains after two hours will the product sprayed remain on the plant or wash out?

Post rains, any spray will have the tendency to wash out. In such conditions, it is advisable to use a high quality wetting and spreading agent (like Wespa 80) to maintain the longer contact of spray on the leaves,

12. How long will the result of product sprayed on plants last?

Being biodegradable in nature, the Organic Inputs will remain active for 3-4 days but the action of residual active ingredients will continue till 8-10 days.

13. What is the Shelf Life of JAIVIZYME Liquid and Granules?

5 years from the date of manufacture for both JAIVIZYME Liquid and Granules.

14. Is JAIVIZYME registered with CIB and can you provide Principal Certificate or O Form for selling these products?

The ingredients used in our formulation are nature-derived and not listed in the Schedule of the

Insecticide Act, 1968. The actives are not listed under the schedule to the Insecticide Act and therefore, are not be registered with CIB. As a result, Principal Certificate is not provided by the State. These ingredients are listed by OMRI as organic, considering non-toxicity and biodegradability. The ingredients in our formulations have been internationally approved and recommended by various bodies propagating organic agriculture. Based on the same, our products have been approved for use in Organic Production under the NPOP norms by IMO Control.

15. After spraying of JAIVIZYME Liquid, if it rains after two hours will the product sprayed remain on the plant or wash out?

Post rains, any spray will have the tendency to wash out. In such conditions, it is advisable to use a high quality wetting and spreading agent (like Wespa 80) to maintain the longer contact of spray on the leaves,

16. Can JAIVIZYME Liquid mixed with other products before spraying?

Compatibility of our formulations with other growth suppliments / agri-inputs depends on several factors like

- Alkalinity of water used for preparation of the spray
 - Amount of time the “mixture” is held before spraying
- While mixing of our products with following “ad-mixture” should be avoided:
- Sulphur-based, Copper-based, Zinc-based formulations
 - Organism-based formulations
 - Soluble fertilizers

It is always advisable to try a small sample for mixing any two formulations before farm-level application to ensure the physical stability and tolerance by plants.