



PEPTECH BIOSCIENCES LIMITED

(Titan Biotech Ltd. Group)

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Product Specification

GIBBERELIC ACID A3 (GA₃)
C₁₉H₂₂O₆

PGI 009
F.Wt. 346.37

Gibberelic Acid (GA₃) belong to a natural plant hormone also called Gibberellins. It can stimulate plant stem elongation by stimulating cell division and elongation and it can break seed dormancy, promote germination and increase fruit setting rate, or cause parthenocarpic (seedless) fruit by stimulating stems of a plant higher and leaves bigger. It has been Proved from production practice for many years that the application of gibberellins has a significant effect in raising the yield of vegetable, fruits etc.

Dosage

Dose of 5-20gm/Acre is optimum. The hormones don't dissolve in water and it should be dissolved in 70% alcohol.

The ideal time for spraying is before sun rise or after sunset.

PHYSICAL PARAMETERS:

SL. NO.	PRODUCT PARAMETERS	SPECIFICATION
1.	Appearance	Clear Coloured crystalline powder
2.	Solubility (1% w/v)	Soluble in hot water, methanol, ethanol & Acetone IPA

CHEMICAL PARAMETERS:

SL. NO.	PRODUCT PARAMETERS	SPECIFICATION
1.	Melting Point	232-235°C
2.	Impurities	NMT – 10.0%
3.	Assay (HPLC)	NLT -90%

Std Packing : 5, 50 gm

Bulk Packing : 1kg

Best Before : 24 Months.

Storage : Store in a cool & dry place.