

CIR-190037/2021-Gibberellic Acid (L) (430)-1356

### **Gibberellic Acid 0.001% L**

( Plant Growth Regulator )

Gibberellic Acid 0.001% L is a highly effective plant growth regulator containing Gibberellic Acid 0.001% as active ingredient. Gibberellic Acid 0.001% L acts synergistically with plant metabolism and accelerates the growth functions of the plant. Also improves the physiological efficiency of the crop by simulating the hormonal and enzymatic activities and increases the yield and quality of the crop produce.

#### **Recommendation**

<b><u>Crop(s)</u></b>	<b><u>Common Name of Pest</u></b>	<b><u>Dosage/HA</u></b>		<b><u>Dilution in Water (lit)</u></b>	<b><u>Waiting Period between last spray to harvest</u></b>	<b><u>Re-entry after each Application (In Hours)</u></b>
		<b><u>AI (gm)</u></b>	<b><u>Formulation (ml)</u></b>			
Grapes	First: 30-35 days after pruning Second : During the match head stage	0.018	180	450-500	2	
Cotton	First spray: 40-45 DAP Second spray: at the time of boll formation	0.018	180	450-500	2	
Banana	First spray: 3rd month Second spray: 5th month Third spray: At the time of fruit formation	0.027	270	450-500		
Sugarcane (Planted crop)	First spray: 40-45 DAP Second spray: 75-80 DAP	0.018	180	450-500	2	
Paddy	Short duration varieties: 20-25 DAT Medium duration varieties: 30-35 DAT Long duration varieties: 40-45 DAT	0.018	180	450-500	1	
Cabbage / Cauliflower	First spray: 45 DAS Second spray: 65 DAS	0.018	180	450-500	2	
Onion	25-30 days after planting	0.018	180	450-500	1	

Brinjal / Bhendi	First spray:34 DAP Second spray: 70 DAP Third spray: 105 DAP	0.045	450	450-500	3	
Ground nut	30-35 days after sowing Second spray: At the time of flowering	0.018	180	450-500	1	
Muberry	First spray 15-20 days after harvest Second spray: 25-30 days after first spray	0.045	450	450-500	2	

### **Direction of Use**

Plant Protection Equipment: Gibberellic Acid 0.001% L can be sprayed in the field for High volume spraying using the equipments like Bucket sprayer, Stirrup pump sprayer, Foot sprayer, Wheel barrow sprayer, knapsack sprayer. Compression knapsack sprayer. Compression knapsack battery sprayer or ASPEE HTP power sprayer. For low volume spraying use knapsack mist blower cum duster.

Preparation of spray solution: Mix the required quantity of Gibberellic acid 0.001% L at the rate of 1 ml in 1 litre of water and further diluted in 180-200 litres of water per acre for the preparation of spray solution.

Compatibility: gibberellic Acid 0.001% L is compatible with all commonly used fertilisers, insecticides, herbicides and fungicides except Bordeaux mixture.

### **Time of Application**

Gibberellic Acid 0.001% L is to be diluted at the rate of 1 ml in one litre of water and sprayed uniformly on the foliage to cover all parts of the plant. Gibberellic Acid 0.001% L shall be sprayed during the cool hours of the day. Repeat the application if there is rain within six hours of spraying. Shake the bottle well before using the Product.

### **Precaution**

1. Keep away from foodstuffs, empty foodstuff containers and animals food.
2. Avoid contact with mouth, eyes and skin.
3. Avoid inhalation the spray mist. Spray in the direction of wind.
4. Wash thoroughly the contaminated clothes and parts of the body after spraying.
5. Do not smoke, drink, eat and chew anything while spraying.
6. Wear full protective clothing while mixing and spraying.

### **Symptoms Of Poisoning**

Headache, Nausea, Vomiting, skin and eye , irritation. may occur.

### **First Aid**

1. If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious.
2. If clothing and skin are contaminated, remove the cloths and wash the contaminated skin with copious amount of soap and water.
3. If eyes are contaminated, flush with plenty of saline/clean water for about 10 to 15 minutes.
4. If inhaled, remove the patient to fresh air.

### **Antidote**

No psecific antidote is known. Treat symtomatically.

### **Disposal Of Used Container**

The packages shall be broken and burried away from habitation. The used packages shall not be left outside to prevent their re-use. The used packages or surplus material and washing from the equipment should be disposed off in safe manner so as to prevent environmental or water pollution.

### **Storage Conditions**

The packages containing the material shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the material. The rooms or premises meant for storing the material shall be well built, dry, wll-lit, ventilated and of sufficient dimensions.

### **Chemical Composition:**

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Gibberellic Acid ..a.i. (Based on purity 100% a.i. w/w	0.001 % w/w
Protein (hydrolysed)	2.5 % w/w
yeast extract Seaweeds (Marina Brown Algae Extract)	3 % w/w
Feso4 7H2O (Min 95%)	2.3 % w/w
MnSo4 3H2O (Min 90%)	1.4 % w/w
ZnSo4 7H2O (Min. 95%)	3.9 % w/w
MgSo4 7H2O (Min 90%)	4.3 % w/w
EMULSIFIER Tween 80 (Sorbital mono Oleate)	1 % w/w
Solvent (Water)	Q.S % w/w
Total	100 % w/w

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**Total: 100.000 % w/w**

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