



# **SICOGIBB 6 EC**

## *Gibberellic Acid 6% EC*

### **PLANT GROWTH REGULATORS**

#### **1. PRODUCT SPECIFICATIONS**

	<u>Standard</u>	<u>Test results</u>
Active ingredient (GA <sub>3</sub> ):	6%	6.1%
Moisture:	3% max.	0.3%
pH:	2 – 4	3.5

Appearance: yellowish liquid

#### **2. PRODUCT DESCRIPTION, ACTIVITY & FUNCTIONS**

Gibberellic Acid is one of the most widely used plant growth regulators in agriculture, forestry and horticulture. It has following physiological functions: changing male/female ratio of flowers, inducing monogenetic reproduction, stimulating fruit setting and growing, breaking dormance of seeds and accelerating germination, promoting stem elongation, and enlarging leaf surface.

It can help accumulation of metabolites in phloem, activate cambium, inhibit prematuration and retard aging. It can promote the length of the cell and stem and make the leaf bigger. It also promotes the growth of fruit and disturbs the dormancy of seed and changes the proportion between male and female flowers. It will impact the blooming time and reduce the falling of the flowers and fruit. The externally applied gibberellic acid has the same physiology function when it goes into the plant.

#### **Functions of GA<sub>3</sub>**

- Adjusts plant height of both parents
- Enhances panicle exertion from the flag leaf
- Increases the duration of floret opening
- Increases the rate of the stigma exertion and lengthens the duration of stigma receptivity to pollen.

#### **3. APPLICATIONS & INSTRUCTIONS FOR USE.**

Used a.o. on: Blueberries, cherries (sweet, sour), grapes, grapefruit, Italian prune, lemons, navel oranges, Orlando tangelo, strawberries, artichokes, beans, celery, cotton, lettuce, oats, peas, rice, rhubarb, rye, seed potatoes, soybeans, spinach, sugarcane, tomatoes, fuggle hops and certain grasses etc.

**Do not combine with alkaline sprays (lime sulfur)**

CROP	EFFECT	USAGE	APPLICATION
<b>PINEAPPLE</b>	INCREASE WEIGHT	40-80 mg/kg	SPRAYING
<b>PINEAPPLE</b>	INCREASE FRUIT SIZE	40-80 mg/kg	SPRAYING
<b>RICE</b>	INCREASE WEIGHT	20-30 mg/kg	SPRAYING
<b>CELERY</b>	INCREASE PRODUCTION	20-100 mg/kg	SPRAYING
<b>SPINACH</b>	INCREASE WEIGHT	10-25 mg/kg	SPRAYING
<b>ORANGE</b>	INCREASE FRUIT SIZE	20-40 mg/kg	SPRAYING
<b>ORANGE</b>	INCREASE WEIGHT	20-40 mg/kg	SPRAYING



**PRODUCT INFO  
& DATASHEET**

<b>GRAPE</b>	INCREASE PRODUCTION	50-200 mg/kg	Apply up to 5 days after berry shatter as a cover spray to wet clusters thoroughly or dip clusters
<b>GRAPE</b>	SEEDLESS	50-200 mg/kg	Apply up to 5 days after berry shatter as a cover spray to wet clusters thoroughly or dip clusters
<b>FLOWER</b>	REGULATING BLOSSOM	700 mg/kg	Spraying before blooming
<b>COTTON</b>	INCREASE PRODUCTION	10-20 mg/kg	Spraying and pasting at Primary flower to full flower stage
<b>POTATO</b>	INCREASE PRODUCTION	0.5-1 mg/kg	Uncut tubers: Dip tubers for a period of 10-30 minutes. Leave to fry in a cool place and plant as soon as eye movement is observed.

**Attention:**

1. GA3 isn't easy to dissolve in water. Dissolve 85% crystal powder with little alcohol before, then add water to dilute it to the desirable concentration.
2. GA3 is stable in the weaker acid and neutral solution when it decomposes in alkaline solution.
3. It is better to immediate apply after formulating the GA3 solution. Store in dry and low temperature place.

**PACKING**

- 1 ltr HDPE bottle
- 200 ltr plastic drum