

Indole-3-Butyric Acid (IBA)

Indole-3-butyric acid is a kind of naturally occurring indole plant growth regulator



CAS No.: 133-32-4

Molecular Formula: $C_{12}H_{13}NO_2$

Molecular Weight: 203.2

TC:

98% IBA TC

98% IBA-K TC

► Functions:

1. IBA has better stability than that of IAA and cannot be easily decomposed by IAA oxidase. IBA also has longer duration of bio-activity.
2. IBA is a main plant rooting product that can be absorbed by root, stem, leaf and fruit. It is used to initiate root formation and it can induce the adventitious root to grow and promote rooting of cutting twigs.
3. IBA is a broad-spectrum auxin plant growth regulator which can enhance the content of chlorophyll, protein and nucleic acid in plants. Meantime, it enhances efficiency of photosynthesis.
4. IBA can increase fruit setting rate and reduce abscission of fruits. Adjust the ratio of staminate and pistillate flower.
5. IBA can be combined with fertilizer and enhance absorption of fertilizer remarkably.

► Applications:

Crop	Application time	Concentration(ppm)	Application method	Performance &Effect
Fruit Tree	Pre -cuttage stage	1000-2000	Soak root for 3-5s	Promote growth and increase cuttage survival rate.
Solanaceous Vegetable	Early flowering & fruiting	250	Soak or spray on the flower/ fruit	Promote parthenogenesis, fruit setting rate and regulate plant growth.
Rice, Wheat	Budding	10	Spray	Promote rooting and increase yield.
Corn	Pre-sowing stage	15-20	Soak seed for 5-8h	Promote rooting and regulate plant growth.
Grape	Pre-cuttage stage	5-20	Soak the end of cutting twig for 24h	Promote rooting and increasing survival rate of cutting twigs.
Ginseng	Pre-transplanting stage	10-80	Irrigate the root or soil	Promote rooting after transplanting.
Tea	Pre-cuttage stage	20-40	Soak the end of cutting twig for 3h	Promote rooting and increase survival rate of cutting twigs.
Remark	1. Combine with foliar fertilizer: 5-15 ppm spraying. 2. To be used with base fertilizer and water-soluble fertilizer: 150-300g IBA/ hectare. 3. Better performance if applied together with S-ABA and NAA.			

*The above information in this publication, is, to be best of our knowledge, true but since the conditions of use are beyond our control, the values provided are not to be considered as a warranty. Please conduct small-scale field experiment in prior to mass application. Or consult local agro technician for guidance.