EZ-GRO IBA 20%

GUARANTEED MINIMUM ANALYSIS

Indole-3-butyric Acid..... 20%

- Promotes and accelerates root growth of plant clippings
- Reduces transplant shock
- Enhances growth development of flowers and fruit
- Increases crop yields
- Aids in regulating responses of plants against abiotic stresses

METHOD FOR CALCULATION OF RATES TO BE APPLIED

A wide solution rate range is indicated for this product. The ideal rates will vary according to specific plant variety, growing season, quality of the cuttings to be treated, overall production program and local growing conditions. Prior to large-scale production, plants of the variety to be treated should be tested with several rates of EZ-Gro 20% IBA within the range specified in this label for that plant grouping. When testing a new species, begin testing in the middle of the rate range stated. If phytotoxicity is observed following foliar application(s), try lower rates or try basal applications. It is recommended that the grower use the lowest rate that produces the desired effect.

DANGER - Keep out of reach of children and animals. Do not allow entry into foliar treated areas within 12 hours of application unless wearing the appropriate Personal Protective Equipment (PPE). Toxic if swallowed. Causes skin irritation. Causes serious eye irritation. Possible risk of impaired fertility. Possible risk of harm to unborn children. May cause respiratory irritation. Wear protective clothing, gloves, eye and respiratory protection. Avoid breathing dust or fumes, use only in a well-ventilated area. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Remove contaminated clothing immediately and wash before re-use. If swallowed rinse mouth and immediately contact a health care provider. Do not induce vomiting unless instructed to. If in eyes rinse with water for several minutes. Remove contact lenses if present and continue rinsing. If on skin, remove contaminated clothing and wash thoroughly with soap and water. If inhaled move person to fresh air. Store locked up in a tightly closed container, in a well-ventilated area, out of direct sunlight. Dispose of contents and container in accordance with local, regional, and national regulations.

LOT NO:

EXPIRY:

EZ-Gro 20% IBA is a super concentrated plant growth regulator solution, that may be tank mixed with fertilizers, pesticides and herbicides for use in-furrow, for broadcast applications or by foliar spray on a variety of crops, and can also be used for cuttings by foliar spray, total immersion, basal dip and basal long soak methods. **EZ-Gro 20% IBA** is not a fertilizer. A fertilizer program must be developed and applied for the production of plant species/varieties being propagated.

PREPARING A SOLUTION OF EZ-Gro 20% IBA IN WATER

1. In an appropriate mixing container, add half the total water volume to be used for the complete mix. 2. Add the measured quantity of EZ-Gro 20% IBA to the water in the mixing tank. Thoroughly mix the solution and/or run the agitation system. 3. If any other materials are to be added to the tank-mix solution, they must be mixed by the proper method and mixing order for those materials. 4. Add the amount of water needed to bring the solution to the desired final volume. 5. Apply the solution by the selected method. 6. After use, dispose of any remaining solution. For the Total Immerse and Basal methods, dispose of solutions between plant lots to avoid cross contamination.

Guidance for creating concentrations from 25 to 10,000 ppm IBA using EZ-GRO 20% IBA: Quantity of EZ-Gro 20% IBA to be Added:

PPM of IBA	ml/L water	ml/gal water
25-50	0.114–0.228	0.43–0.86
80-100	0.365–0.457	1.38–1.73
150-200	0.685–0.913	2.59–3.46
250-300	1.14–1.37	4.32–5.18
400-500	1.83–2.28	6.91–8.64
600-700	2.74–3.20	10.37–12.10
800-900	3.65–4.11	13.83–15.55
1,000-2500	4.57–11.41	17.28–43.21
5,000–10,000	22.83–45.66	86.41–172.83

Manufactured By: Higrocorp Inc., 605 Justus Dr., Kingston, Ontario K7M 4H5 | 613-384-8882
Registration Number XXXXXXXX Fertilizers Act

1L (1KG)

TANK MIX: This product may be tank mixed with fertilizers, pesticides and herbicides for use in-furrow, broadcast, or foliar spray, to reduce transplant shock, promote growth development of flowers and fruit, increase crop yields, and aid in regulating responses of plants against abiotic stresses. Mix thoroughly and apply within one (1) day of mixing. Agitation must be maintained to ensure proper dispersal of EZ-Gro 20% IBA throughout mixture. In some cases, tank mixing with pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact the company responsible for the pest control product before applying any tank mix. A jar test is recommended before mixing with other fertilizers or pesticides. Contact your Agronomist for maximum application (ai) per acre/ hectare.

Application Rates & Timings:

In furrow Starter: 10 ml/ha (4ml/acre). Blend into required volume of starter for area treated.

Seed Treatment: Apply with enough water for coverage. Compatible with most dyes. **Soy:** 15 ml/metric ton seed. **Canola:** 7.5 ml/metric ton seed.

Legumes: 25 ml/ha (10 ml/acre). 1st application: at first internode or branch. 2nd application: at flower bud stage

Grains & Cereals: 50 ml/ha (20 ml/acre). 1st application: at tillering. 2nd application: at boot/flag leaf stage

Root Veggies: 5 - 7.5 ml/ha (2 – 3 ml/acre). 1st application: spray the day before transplant. 2nd & 3rd application: 21 days after last application.

Veggies & Herbs: 5 - 7.5 ml/ha (2 - 3 ml/acre). Apply as a soil drench to thoroughly saturate roots at time of planting or when transplanting seedlings. Repeat application bi-weekly at half strength until well established.

Pasture, Hay & Forage: 25 ml/ha (10 ml/acre). 1st application: at first internode or branch. 2nd application: at flower bud stage

Annual & Perennial Flowers: 10-15 ml/ha (4 - 6 ml/acre). Apply as a soil drench to thoroughly saturate roots at time of planting. Repeat application bi-weekly at half strength until well established.

Hydroponic & Greenhouse Vegetables: 2.5 – 5 ml/100 L water. Apply every three weeks beginning at 3-5 leaf stage or transplant and continuing through grow and bloom.

Cannabis: 2.5-5 ml/100 L water. Apply during rooting growth stage.

ROOTING METHODS: To promote rooting of plant cuttings EZ-GRO 20% IBA can be used to propagate new plants from cuttings. For successful plant propagation, the cuttings to be treated and planted must be of good quality and follow a production plan for the successful rooting and growth of the cuttings following application.

Total Immersion Method - Use on leafy cuttings to be planted immediately after treatment. Totally immerse the cuttings in the mix solution for approximately 5 seconds. Immediately after removing the cuttings from the treatment solution, stick the cuttings in the planting media.

ROOTING METHODS CONT.

Spray Method - Use on leafy cuttings to be planted immediately after treatment or sprayed within 48 hours of sticking/planting. 1. Stick cuttings in the planting media. 2. Spray the solution on leaves and stems until the solution drips down into media. Spray volume can influence effect of the product. Research has shown that as spray volume increases, a greater effect of the IBA may be observed. This higher spray volume can result in more of the spray material reaching the soil and moving into the rooting zone. This could allow for the material to also be taken up by the forming roots. If changing the spray volume to be applied, then testing on a small number of plants must be performed to evaluate the affect.

Total Immersion & Spray Method Crop Rates

Annuals, perennials, chrysanthemums: Initial Rate Range 80-400 PPM

Herbaceous and hard to root perennial plant cuttings: Initial Rate Range 250-1500 PPM

Woody ornamental cuttings: Initial Rate Range 300-1500 PPM

Basal Dip Method - Use on cuttings to be planted immediately after application and winter dormant cuttings. 1. Immerse basal end of cuttings up to approximately 2.5 cm (1") in solution for a few seconds. 2. Stick immediately into planting media or store.

Annuals, soft perennials, tender cuttings from ornamental plants, tropical house plants: Initial Rate Range 80-200 PPM

Herbaceous, perennials, pot roses cuttings: Initial Rate Range 150-1,500 PPM

Difficult to root herbaceous, perennials, tropical plant cuttings: Initial Rate Range 500-1,500 PPM

Softwood cuttings: Initial Rate Range 500-1,500 PPM

Hardwood cuttings: Initial Rate Range 500-2,000 PPM

Difficult to root hardwood cuttings (Avoid high rates by using the Basal Long Soak Method): Initial Rate Range 2,000-10,000 PPM

Basal Long Soak Method - Use on cuttings to be planted immediately after application and winter dormant cuttings. 1. Immerse basal end of cuttings up to approximately 2.5 cm (1") in solution for 12-48 hours. 2. Stick immediately into planting media or store.

Hard to root annuals and perennials: Initial Rate Range 25-100 PPM

Herbaceous cuttings: Initial Rate Range 50-200 PPM

Woody ornamental cuttings, grapes, roses: Initial Rate Range 50-400 PPM