

KMAntPro® LLC

Insect Attractant Bait Lure™

Sustainable Agriculture & Professional Pest Management

Non-Toxic Insect Lure

Protein/ Sugar (IA-P/S)

2.5 to 5 Gallon Concentrate Mix

9.5 to 18.9 Liters

Purpose

KM Insect Attractant Bait Lure™ “KMIBL” is a species-specific non-toxic food grade insect-attractant and additive food composition comprised of carbohydrates and minor amino group (NH₂) acids. KMIBL is formulated, packaged, shipped, and handled in a granular dry powdery form prior to being completely dissolved in water by end users, primarily agricultural growers and professional pest management personnel. This product is intended for use only within the KM Ant Pro® Insect Activated Bait Dispensers. Its primary purpose is to provide long-term manipulation and monitoring of protein and sugar feeding eusocial insects such as ants, individual cockroaches, and earwigs.

How to Use

KM AntPro® Bait Dispensers containing KMIBL attractant when deployed within and surrounding ecologically sustainable agricultural crops, rural and urban structural locations attracts randomly foraging ants, and cockroach pests by stimulating their highly evolved acute sense of smell from nearby. Causing these insects to locate and enter dispensers to feed. Ants recruit additional ants by socially communicating and sharing bait samples while engaged transporting the obtained liquid attractant food stored internally in their abdomen. Most ant species 2nd specialized social stomach capable of storing enough liquid food to feed approximately 10 to 12 nest resident ants per each return trip back to and from the AntPro® bait dispenser to their home nest. They feed their colony's queens, nursery brood and nest inhabitants by means of regurgitation “trophallaxis”. Eusocial ant populations are manipulated away from other colony duties, and accurate population assessments can be calculated based on species consumption over time to determine whether further pest management procedures are necessary. **“See KMIBL, when used in combination with approved insecticides.”**

Preparing 2.5 to 5 gallons finished solution

To prepare, begin by adding the “KMIBL” package contents to a minimum of 2 gallons “7.6 L” of warm distilled, or equivalent water while gradually stirring the dissolving bait material. After the contents of the KMIBL is dissolved, additional water can be added to make the desired amount of finished working bait lure solution. Please note: “KMIBL” dissolves rapidly in water at approximately 90° F - 32°C. Do not attempt to dissolve this concentrate with water cooler than 72°F – 22°C.

After the KMIBL is dissolved additional amounts of water should be added at comfortable temperatures to make the minimum amount of 2.5 working gallons “9.5 L” of bait solution, graduating in increased amounts of water added based on the bait’s intended *use purpose up to the maximum of 5 finished working gallons “18.9 L”. With 5 working gallons being the bait lure’s standard prepared volume amount for attracting and manipulating the great majority of some 13,000+ ant species.

Preparing less than 5 Finished working gallons of bait; at present there are an estimated 13,379 named ant species. Preparing -reduced amounts of KMIBL beginning as low as 2.5 gallons “9.5 L” proportionately increases the amount, concentration of amino acids and carbohydrates to attract a very limited number of for the most part rare extra - ordinary ant species. We recommend you contact us for guidance prior to deviating from the standard 5-gallon bait preparation amount instructions.

KM Insect Attractant Bait Lure™ - when used in combination with an approved insecticide product.

For control and depopulation of ants, their colonies, roaches, and earwigs we recommend the use of Disodium Octaborate Tetrahydrate insecticide “DOT” EPA registration No. 87445 –1 be added when preparing KM insect attractant bait lure for use in combination with an active insecticide ingredient. Add the DOT at the same time as the KMIBL at the 2-gallon warm water product preparation level.

When adding “DOT” in combination with KMIBL the total amount of DOT should not exceed 1% by weight of the total finished volume of solution. For 5 finished gallons 1% is 6.4 ounces “189 GR”. The recommended amount of DOT to be added for most ant species is ½% of the actual finished working volume of bait solution. Example, ½% of five finished gallons requires 3.2 ounces “90.7GR of “DOT’ by weight.

Special notice for USDA NOP Organic Certified Farmers.

Disodium octaborate tetrahydrate is no longer approved for use within the KM AntPro Insect Activated Bait Dispensing System. Ortho boric acid and or Boric acid - EPA registration No. 73605-10 at 98% purity powder can be used at 1% by weight of the total amount of bait prepared. 1% of 5 finished working gallons is 6.4 ounces by weight. 1.28 ounces per gallon of finished bait. Add the boric acid at the same time as the KMIBL at the 2-gallon warm water product preparation level as previously described prior to adding additional water to prepare 5 finished working gallons of bait.

Note: adding materials to 5 gallons of water will prepare more than 5 gallons of bait.

Recommendation: prior to preparing bait prefill the mixing container with five measured gallons of water and pre-mark the five-gallon capacity level.

**Manufactured By *KM Ant Pro LLC*
for *KM Agrico LLC***

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Patents Pending

NET WT 64 OZ. (4LB) 1836g

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