MITICIDE - INSECTICIDE
REPELLENT

# AlliCURB™

KEMIN CROP TECHNOLOGIES

OMRI LISTED For Organic Use

## DESCRIPTION

AlliCURB™ is a unique, plant-based, garlic-oil technology that acts as a broad-spectrum, contact insecticide, miticide and insect repellent. AlliCURB controls pests such as mites, thrips, lepidoptera and other soft-bodied insects on all crops, including food and organic crops. AlliCURB works through multiple modes of action due to the complex mixture of key organosulfur compounds in the garlic essential oil. AlliCURB acts as an antifeedant, egg laying deterrent and desiccant. AlliCURB does not affect the taste or smell of food crops.

## INGREDIENTS

**Active ingredients**: Garlic Oil .....2.2%
**Inert Ingredients**: Potassium Oleate, Water .....97.8%
**Total**: .....100%

## KEEP OUT OF REACH OF CHILDREN - CAUTION/PRECAUCION

| FIRST AID | |
|---|---|
| **IF IN EYES** | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice. Seek medical attention if irritation persists. |
| **IF SWALLOWED** | Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. |
| **IF ON SKIN OR CLOTHING** | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| **HOT LINE NUMBER** | |
| NOTE: Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center at 1-800-858-7378, 6:30 a.m. to 4:30 p.m. Pacific time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222. For non-emergency Kemin product inquiries, please call Customer Service at 1-800-752-2864 between the hours of 7 a.m. to 4:30 p.m. (Central Standard Time). Monday - Friday. For chemical emergency ONLY (spill, fire, exposure or accident), call the CHEMTREC 24-hour toll-free number at 1-800-424-9300. | |

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals; Caution.** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**Manufactured by:**
**Kemin Industries, Inc.**
2100 Maury St., Des Moines, IA U.S.A. 50317
Made in Spain

## NET CONTENTS: 1.0 GAL

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## DIRECTIONS FOR USE

**If you do not understand the label, find someone to explain it to you in detail (Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle).**

## DIRECTIONS FOR USE

**READ ENTIRE LABEL – USE IN ACCORDANCE WITH LABEL INSTRUCTIONS.**
**THIS PRODUCT IS A CONCENTRATE AND MUST BE DILUTED BEFORE USING. See Application Rate Table below. Use dilution immediately - Do not store diluted solution.**

## TARGET PESTS

**Mites and insect pests such as aphids, beetles, caterpillars (early stages), moths, flies (maggot stage), leafhoppers, mealybugs, psyllids, scales (crawler stage), thrips, and whiteflies.**

## APPLICATION

For best results, foliar spray coverage should be uniform and complete. Spray droplet size should be adjusted to maximize coverage, minimize drift, and allow direct contact with as many pests (insects, mites, etc.) as possible. **Use lower rates for light to moderate pest pressure and higher rates for heavy infestations.** Apply in the early morning or late afternoon. Spray directly onto pest(s).

AlliCURB™can be applied to crops at any time up to and including the day of harvest. **Begin spraying when pests first appear; do not wait until plants are heavily infested. Repeat as needed to maintain the desired level of control (5-day minimum interval).** There are no restrictions on the number of applications per season. AlliCURB™ has a 0-hour restricted entry interval (REI) and 0-day preharvest interval (PHI).

## MIXING

Use freshly mixed spray made with soft water. If water has high mineral content (hardness >300 ppm), check for compatibility with a jar test. If required, an approved buffering agent may be added to the water prior to the addition of AlliCURB™ to prevent precipitation. If foaming occurs, an anti-foam agent may be used in conjunction with AlliCURB™.

## COMPATIBILITY

Do not lower the pH of the final spray mixture below 8.0. Do not tank mix this product with lime sulfate, hydrated lime, copper sulfate and other copper based products, ferric phosphate, magnesium sulfate, calcium nitrate, aluminum tris, micronutrient salts, *Bacillus thuringiensis* and with sulfur or apply this product within 3 days of sulfur application.

## GROUND SPRAY

Spray-to-wet applications of this product may be made with standard field sprayers and backpacks or other hand-held spray equipment.

## AERIAL SPRAY

Before application, check the aircraft/helicopter spray equipment for uniformity of spray pattern, spray width and output. Apply a minimum of 20 gallons per acre of diluted product. Optimum results are obtained when plant foliage is not too dense. Use an output that will ensure optimum product penetration and coverage. Make aerial applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Low humidity and high temperature increase spray droplets' evaporation rate and, therefore, decrease the likelihood of good coverage. Use the largest droplet size consistent with good pest control. The formation of very small droplets may be minimized by appropriate nozzle selection, by orientating nozzles away from the air stream as much as possible and avoiding excessive spray boom pressure. Spray should be released at the lowest height consistent with pest control and flight safety. Application more than 10 feet above the crop canopy is not recommended.

## DRIP IRRIGATION

For soil-inhabiting insects and insect stages, use 32-64 fl oz per acre of plant bed in 2-3 applications over a 7-14-day schedule. Set emitter spacing and line pressure to give the best coverage and reduce leaching. Always clean tank, pump and lines thoroughly with water after use.

## APPLICATION RATE TABLE

For the control of the labeled pests, use AlliCURB™ as indicated in the following table for each listed crop (crops included but not limited to). Use the higher rate and short intervals when pest pressure increases or a severe insect population has occurred.
A minimum of 100 gallons of finished solution to treat 1 acre is recommended.

| SHAKE OR MIX THE CONCENTRATE WELL BEFORE USE | |
|---|---|
| **CROPS** Grown outdoors, in greenhouses, shade houses and nurseries; including but not limited to: | **FL OZ** per acre* |
| **Herbs and Spices:** Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen, among others. | 16 – 48 |
| **Pome and Stone Fruits:** Apple, Apricot, Cherry, Nectarine, Peach, Pear, Persimmon, Plum, Pomegranate, Prune, among others. | 16 – 48 |
| **Tree Nuts:** Almond, Cashew, Pecan, Pistachio, Walnut, among others. | 16 – 48 |
| **Small Fruits and Berries:** Blackberry, Blueberry, Cranberry, Grapes (raisin, table, wine), Raspberry, Strawberry among others. | 16 – 48 |
| **Brassica (Cole), Bulb Vegetables:** Broccoli, Cabbage, Cauliflower, Garlic, Onion among others. | 16 – 48 |
| **Leafy and Oriental Vegetables:** Amaranth, Celery, Lettuce, Radicchio, among others. | 16 – 48 |
| **Cereal Grains:** Corn, Sorghum, Soybean, Sweet Corn, among others. | 16 – 48 |
| **Fruiting and Legume Vegetables:** Bean, Eggplant, Lentil, Pea, Pepper, Tomato among others. | 16 – 56 |
| **Root and Tuber Vegetables:** Carrot, Potato, Radish, Sweet Potato, Turnip, among others. | 16 – 56 |
| **Cucurbit Vegetables:** Cantaloupe, Cucumber, Melon, Watermelon, Squash, among others. | 16 – 56 |
| **Grass and Non-Grass Animal Feeds:** Alfalfa, among others. | 16 – 56 |
| **Citrus and Subtropical Fruits:** Banana, Grapefruit, Lemon, Orange, Papaya, among others. | 32 – 64 |
| **Other Crops:** Artichoke, Asparagus, Avocado, Coffee, Cotton, Hemp, Hops, Jojoba, Mushroom, Okra, Olives, Peanuts, Pineapple, Rice, Safflower, Sesame, Sugar Cane, Sunflower, Tea, Tobacco among others. | 16 – 56 |

## NOTE TO USER

Unintentional consequences such as crop injury may result due to environmental or growing conditions, manner of use, or application. Because plant tolerance of pesticides varies as conditions vary, treat a few plants under respective conditions and observe for plant damage prior to full-scale application to a large number of plants.

## STORAGE AND DISPOSAL

**STORAGE:** Do not contaminate water or food by storage and disposal. Store in original container in a cool, well-ventilated, dry place (20 – 27 °C). Do not freeze. Keep container closed when not in use. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. **IF EMPTY:** Offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration. **IF PARTLY FILLED:** Call your local waste agency for disposal instructions.

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The manufacturer makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed. This product may not be registered or authorized for distribution or sale in all States. Consult your Kemin representative or your state pesticide regulatory representative to ascertain if the product is registered or authorized in your state and for specific application and labeling requirements.

**FIFRA 25(b) Exempt:** This product is a minimum risk pesticide that has not been registered with the United States Environmental Protection Agency because it qualifies for exemption from registration under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 25(b).