

ABENTA®

ABENTA® is a broad-spectrum, plant-based horticultural oil, which acts as an insecticide and insect repellent. Abenta® works on contact because it interferes with the sensitive faculties of the pest, disguising the odor signal emitted by crops, thus preventing females from laying eggs. Abenta® also has a direct effect on the pest, acting through ingestion as a chitin inhibitor. Abenta's® trans-laminar effect contributes to the control of Lepidoptera, thrips and soft-bodied insects.

ABENTA® keeps insects from getting on plants.

ABENTA® will impart no garlic taste to food crops.

ACTIVE INGREDIENTS

Garlic oil 2.5 %

OTHER INGREDIENTS

Potassium oleate 17.5 %

Water 80.0%

Net Contents: X Gallons

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 eye. Call a poison control center or doctor for treatment advice. Seek medical attention if irritation persists.

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information, call the National Pesticides Information Center at 1-800-858-7378, 7:30 AM to 3:30 PM, Pacific Time (PT), Mon. – Fri. During other time, call the Poison Control Center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes, skin and clothing. Wear eye protection and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco and using the toilet. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC) or Vitron
- Shoes plus socks
- Protective eyewear

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

This product has not been registered by the United States Environmental Protection Agency. SEIPASA SA represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide and Rodenticide Act.

DIRECTIONS FOR USE

An innovative formulation that works as a contact repellent and trans-laminar product, as well as a feeding and oviposition deterrent. Labeled for use on a range of vegetable crops for control of soft-bodied insects.

Spray when pests first appear; repeat at 7-10 days. Thorough coverage is needed.

Greenhouse and field use.

- Botanical insecticide concentrate.
- Effect by contact, repellency and translaminar action.
- Primarily affects larval stages of insects.
- For indoor and outdoor use.
- ABENTA[®] has been found to be compatible when used in conjunction with most beneficial insects.
- ABENTA[®] has no risk of resistance induction.

- Apply in early to mid-morning or late afternoon. To ensure its efficacy spray directly onto the pest and to the runoff point.
- Shake well before using.
- The pH of spray solution must be kept between 6 and 7.5. Use spray solutions within several hours of preparation for maximum effectiveness. Do not store diluted solution for late use.
- Do not apply to known spray sensitive plants without testing.
- Not for use in food-handling establishments.

TANK MIXING

ABENTA[®] has been found to be compatible with most commonly used fungicides, insecticides and fertilizers. Check physical compatibility first by using the correct proportion of products in a small jar test. Then, test tank mix combinations for phytotoxicity on a sample of plants prior to use. This must be done with combinations used before as environmental conditions can alter the interaction between compounds. Due to the wide variation in climatic conditions, cultural practices and other factors, the user assumes full responsibility for any crop damage or other liability resulting from the use of ABENTA[®] in a tank combination. Do not mix ABENTA[®] with oxidizing agents such as bleach, or strong acids and bases as they will destabilize the product.

DILUTING INSTRUCTIONS

ABENTA[®] must be diluted with water before applying. Pour required amount into spray tank partially filled with water. Add ABENTA[®] slowly to the tank while hydrolic or mechanical is running and continue filling with water. Do not allow mixture to stand. Use mixture within 12 hours as ABENTA[®] may lose it activity if left in the tank. ABENTA[®] is compatible with the use of wettable agents.

For crops which usually require high-medium volume foliar applications, use the application rate of 25 - 40 fl. oz. of ABENTA[®] diluted in 100 gal of water. Use the required volume of mixture to cover completely the crop foliage.

For crops which usually require low volume foliar applications, use an application rate of 20 - 35 fl. oz. of ABENTA[®] per acre.

APPLICATION RATE TABLE

For the control of the different pests, use ABENTA[®] as indicated in the following table for each listed crop. Use the higher rate and short intervals when pest pressure increases or a severe insect population has occurred.

BERRIES AND SMALL FRUIT			
Crop	Pest	Application Rate	Application instructions
Blackberries Blueberries Cranberries Currants Dewberries Elderberries Gooseberries Grapes Huckleberries Raspberries Other berry crops	<u>For repelling & control</u> Aphids Beetles Borers Chafers Curculios Cutworms Earwigs Fruitworms Grubs Leafhoppers Leafminer Leafrollers Maggots Mealy bugs Phylloxeras Plant bugs Rootworms Sawflies Slugs Scales Spittlebugs Stemgirdlers Thrips Tortrix Tree crickets Weevils Whiteflies White grubs Wireworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

BRASSICA VEGETABLES (Cole crops)			
Crop	Pest	Application Rate	Application instructions
Broccoli Brussels sprouts Cabbage Chinese mustard Cauliflower Collards Kale Kohlrabi Mustard greens Other brassica crops	<u>For repelling & control</u> Aphids Beetles Caterpillars Cutworms Loopers Maggots Weevils Whiteflies White grubs Wireworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

BULB VEGETABLES			
Crop	Pest	Application Rate	Application instructions
Garlic Leek Onion Shallot	<u>For repelling & control</u> Armyworms Leafminers Maggots Thrips Wireworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

CITRUS FRUITS			
Crop	Pest	Application Rate	Application instructions
Calamodin Citron Citrus hybrids Grapefruit Kumquats Lemons Limes Oranges Pummelos Satsuma mandarin Tangelos Tangerines Other citrus crops	<u>For repelling & control</u> Aphids Cutworms Leafrollers Scale Thrips Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

COTTON			
Crop	Pest	Application Rate	Application instructions
Cotton	<u>For repelling & control</u> Aphids Armyworms Bollworms Boll weevils Cotton leaf perforator Cutworms Fleahoppers Loopers Lygus bugs Saltmarsh caterpillar Thrips Webworms Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

CUCURBIT CROPS			
Crop	Pest	Application Rate	Application instructions
Cucumbers Cantaloupe Melon Muskmelon Squash Watermelon Other cucurbit crops	<u>For repelling & control</u> Aphids Beetles Leafhoppers Leafminers Loopers Pickleworms Thrips Whiteflies Wireworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA ® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

FORAGE CROPS			
Crop	Pest	Application Rate	Application instructions
Alfalfa Clovers Grasses Timothy Vetch	<u>For repelling & control</u> Aphids Armyworms Bugs Caterpillars Chinch bugs Cutworms Grasshoppers Japanese beetles Leafhoppers Loopers Lygus bugs Spittle bugs Thrips Whiteflies Webworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA ® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

FRUITING VEGETABLES			
Crop	Pest	Application Rate	Application instructions
Bell peppers Chile peppers Cooking peppers Eggplant Ground cherry Sweet peppers Tomatillo Tomatoes Okra Other fruiting vegetables	<u>For repelling & control</u> Aphids Beetles Cutworms Fruitworms Hornworms Leafminers Loopers Mealybugs Thrips Whiteflies Wireworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

HERBS AND SPICES			
Crop	Pest	Application Rate	Application instructions
Angelica Anise Basil Bay Bee balm Bergamot Borage Calendula Caraway Catnip Chamomile Chervil Chives Cicely	<u>For repelling & control</u> Aphids Armyworms Caterpillars Hornworms Leafminers Loopers Mealy bugs Scale Thrips Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

Coriander			
Costmary			
Dill			
Mint			
Oregano			
Parsley			
Saffron			
Rose			
Rosemary			
Santolina			
Savory			
Thyme			
Vanilla			

LEAFY VEGETABLES			
Crop	Pest	Application Rate	Application instructions
Celery	<u>For repelling & control</u>	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/100 gal. Use enough volume of mixture per acre to cover completely the crop.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.
Cress			
Endive	Aphids		
Fennel	Earworms		
Lettuce	Grasshoppers		
Orach	Leafhoppers		
Spinach	Leafminers		
Swiss chard	Loopers		
	Sowbugs		
Other leafy vegetables	Webworms		
	Whiteflies		
	Wireworms		

LEGUME VEGETABLES			
Crop	Pest	Application Rate	Application instructions
Beans including <i>Phaseolus</i> spp. <i>Lupinus</i> spp. <i>Vigna</i> spp. Broad beans Chick peas Guar Jackbean Lablab beans Lentils Peas Soybeans Other legume vegetables	<u>For repelling & control</u> Aphids Beetles Borers Curculios Cutworms Earworms Leafhoppers Leafrollers Loopers Lygus bugs Maggots Thrips Plant bugs Weevils Whiteflies Wireworms	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

NUT TREES			
Crop	Pest	Application Rate	Application instructions
Almond Beech nut Brazil nut Butternut Chestnut Chinquapin Filberts Hickory nut Macadamia nut Pecan Pistachio Walnut Other nut trees	<u>For repelling & control</u> Aphids Beetles Borers Bud moths Carpenterworms Casebearers Cotocalas Curculios Gall wasps Leafminers Plant bugs Sawflies Scale Shuckworms Spittlebugs Twig girdlers Walnut caterpillars	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

	Webworms Weevils Whiteflies		
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PEANUT			
Crop	Pest	Application Rate	Application instructions
Peanut	<u>For repelling & control</u> Aphids Armyworms Beetles Earworms Leafhoppers Thrips Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

POME FRUIT			
Crop	Pest	Application Rate	Application instructions
Apple Crabapple Mayhaw Pear Quince Other pome fruits	<u>For repelling & control</u> Aphids Appleworms Casebearers Codling moths Curculios Leafhoppers Leafminers Leafrollers Maggots Mealy bugs Plant bugs Psylla Sawflies Scale Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA® is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

ROOT AND TUBER VEGETABLES			
Crop	Pest	Application Rate	Application instructions
Artichokes	<u>For repelling & control</u> Armyworms Beetles Chinch bugs Grasshoppers Leafhoppers Leafminers Leafrollers Maggots Mealy bugs Plant bugs Psyllids Rust flies Sawflies Scale Slugs Spittlebugs Stem girdlers Thrips Tree crickets Tortix Tuberworms Weevils Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough volume of mixture per acre to cover completely the crop.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.
Beets			
Burdock			
Carrots			
Cassava			
Chicory			
Ginger			
Ginseng			
Horseradish			
Parsley			
Parsnip			
Potatoes		For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	
Radish			
Rutabaga			
Salsify			
Sugar beets			
Sweet potatoes			
Turnips			
Yams			
Other root and tuber vegetables			

STONE FRUIT			
Crop	Pest	Application Rate	Application instructions
Apricot	<u>For repelling & control</u> Aphids Beetles Borers Fruit flies Fruit moths	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/ 100 gal. Use enough	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for
Nectarines			
Peaches			
Plums			
Sweet and sour			

cherries Other stone fruits	Leafminers Leafrollers Weevils Whiteflies	volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	the evolution of insect population.
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TROPICAL FRUIT			
Crop	Pest	Application Rate	Application instructions
Avocado Bananas Cherimoya Guavas Longan Lychee Mango Papaya Passion fruit Pineapple Rambutan Other stone fruits	<u>For repelling & control</u> Aphids Beetles Borers Fruit flies Leafhoppers Mealybugs Scales Thrips Whiteflies	For crops which require medium to high foliar applications (60 or more gals. per acre), use Abenta at the rate of 25 – 40 fl. oz/100 gal. Use enough volume of mixture per acre to cover completely the crop. For crops which require low volume foliar applications (less than 60 gals. per acre), use Abenta at the rate of 20 – 35 fl. oz/acre.	<u>Ground applications:</u> Best results are obtained when ABENTA [®] is applied prior to insect infestation. In any case, spraying should begin when insects first appear. Use shorter spray intervals and high rates under favorable conditions for the evolution of insect population.

Note to User: Unintentional consequences such 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 conditions not expected to be encountered and observe for plant damage prior to full-scale application to a large number of plants.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store upright at room temperature. Avoid exposure to extreme temperatures. Do not expose to light and keep away from any heat source. Do not mix with oxidizing, strong acidic or basic materials.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Non-refillable container. Do not reuse or refill this container.

[For containers equal to or less than 5 gallons] Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SPILL PROCEDURE: In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose in trash.

WARRANTY AND CONDITIONS OF SALE

SELLER OFFERS AND THE BUYER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED TERMS AND CONDITIONS OF SALE AND WARRANTY

The directions for the use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all the variables and to eliminate risks associated with its use. Injury or damage may result because of conditions that are beyond the control of the SELLER.

SELLER warrants that this product conforms to the chemical description on this label and is believed to be reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under conditions of normal use.

SELLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

To the fullest extent permitted by law, the SELLER shall not be liable for consequential, special or indirect damages resulting from the use or handling of the product. Any variation or exemption from this warranty must be in writing and signed by authorized representative or the seller.

This product has not been registered by the U.S. Environmental Protection Agency (EPA). SEIPASA SA represents that this product qualifies for 25(b) exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Manufactured by:

SEIPASA SA

C/Almudevar 22240 Tardienta (Spain) tel. +34962541163; fax +34962541633

www.seipasa.com

Made in Spain