acadian®

MARINE PLANT EXTRACT POWDER
0.5 | 0.0 | 17

GUARANTEED ANALYSIS

Total Nitrogen (N)	**0.5%**
0.5% Water Soluble Nitrogen	
Soluble Potash (K_2O)	**17%**

Derived from kelp (*Ascophyllum nodosum*) and potassium hydroxide

Benefits of Use: Consistent use of **ACADIAN**® supplements a well-balanced crop nutrition program. Use **ACADIAN**® to increase desirable yield, improve overall plant nutritional health, improve root growth and development, improve plant vigor, and maximize crop potential during periods of stresses. To achieve the desired results, the levels of major and minor nutrients must be adequate to support the increase in production.

Storage and Handling: Product should be stored away from intense sunlight and heat. Avoid spillage as product is very slippery and may create a hazard.

Compatibility: **ACADIAN**® is compatible with most insecticides, fungicides and fertilizers. Some pH adjustments may be required with acidic mixtures. Add surfactants after the product has completely dissolved in the tank solution. When mixing with calcium products, thoroughly mix **ACADIAN**® with the water in the tank prior to adding the calcium product. If interaction of chemicals is unknown, a "jar" compatibility test is recommended.

DIRECTIONS FOR USE

ACADIAN® is water soluble and is suitable for use in liquid foliar, soil applied, irrigation, and fertigation applications.

Mixing Instructions: When possible, add **ACADIAN**® to the spray or fertilizer tank mix first. Fill half the mixing container with clean water, begin agitating and gradually add recommended amount of **ACADIAN**® and the remainder of water.

Foliar Applications: Use enough water for good spray coverage. The foliar spray should be applied as a fine mist, with low fluid velocity until the foliage is wet. Do not foliar-apply during times of moisture or heat stress. For best results apply during the cool part of the day or when temperatures are below 85°F. Do not spray just before or after rainfall or sprinkler irrigation. Use a mild rate of surfactant for maximum dispersal and leaf adherence.

Soil applications: Soil applied treatments can be made by mixing with soil-applied fertility, directed sprays to the soil, sidedress treatments, applications through the irrigation systems or other methods which effectively apply **ACADIAN**® to the soil. When making irrigation treatments dilute 1 pound of **ACADIAN**® with a minimum of 1 gallon of clear water before adding to the supply tank. Continuous agitation of the supply tank is recommended. **ACADIAN**® can be applied through drip, microject, sprinkle, overhead, furrow, flood and other types of irrigation at the suggested rates. For micro sprinkler, solid set or drip irrigation, apply after the system is fully pressurized. Inject for at least one hour then follow with clean water for 30-60 minutes to clear system of all product. Avoid heavy irrigation following application that may leach material beyond the root system of the crop.

Rooting/Transplant Solution: To encourage root growth of new transplants, treat roots with a solution of **ACADIAN**® at the rate of 2.5 to 7.5 dry ounces per 20 gallons of water prior to transplanting.

Post Harvest Application: **ACADIAN**® is an excellent way to stimulate root growth and prepare perennial crops for next season's growth. Apply to the soil or foliar using above methods.

GENERAL APPLICATION RATES

Strawberries, Vegetable Crops, Corn, Soybeans, Cotton, Peanuts, Potatoes and Herbs: Apply 1 to 2 pounds per acre starting at planting with repeat treatments every 7-30 days. Applications can be made either foliar or to the soil. Apply 3-5 days prior to an anticipated plant stress.

Woody Perennial Crops (Trees, Vines, Bushes, etc.): Apply 1 to 4 pounds per acre starting at growth in the spring. Repeat treatments every 7-30 days. At transplanting, a root treatment can be used. Post harvest applications can be made every 1-4 weeks from harvest to dormancy. Applications can be made either foliar or to the soil. Apply 3-5 days prior to an anticipated plant stress.

ADDITIONAL APPLICATIONS SHOULD BE MADE IMMEDIATELY PRIOR OR FOLLOWING STRESS PERIODS

WARRANTY STATEMENT

The manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of the manufacturer. In no case shall the manufacturer be liable for consequential, special or indirect damages resulting from the use or handling of this product. The manufacturer makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm

Manufactured by:

Acadian Seaplants

Acadian Seaplants Limited
30 Brown Avenue
Dartmouth, Nova Scotia
Canada, B3B 1X8
Tel.: +1 902 468 2840
Fax: +1 902 468 3474
www.acadianseaplants.com

PRODUCT OF CANADA

NET WEIGHT:
44.1 lb (20 kg)

FRUITS		
Berries (Bushberries and Caneberries)	1 to 2 pounds per acre	**1st application:** 4 weeks pre-bloom (soil) **2nd application:** 2 weeks pre-bloom **3rd application:** petal fall **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
Citrus	1 to 3 pounds per acre	**1st application:** start of growth in the spring (feather growth) **2nd application:** 2 weeks pre-bloom **3rd application:** petal fall **Repeat** every 2-4 weeks during summer months. **Fall:** May be applied with gibberellin sprays on mid and late season varieties. **Post harvest application:** 2-4 weeks after harvest
Grapes (Wine)	1 to 2 pounds per acre	**1st application:** at 1-4 inch shoot growth (foliar and soil) **2nd application:** 10-12 inch shoot growth (foliar and soil) **3rd application:** 5 days pre-bloom (foliar) Avoid foliar pre-bloom application in varieties that are prone to under shatter. Use high rate in pre-bloom sprays on varieties that tend to over shatter. **4th application:** 'BB' sized berries (2-3 mm) (foliar) **5th application:** veraison (foliar and soil) **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
Grapes (Table, Raisin and Juice)	1 to 2 pounds per acre	**1st application:** 1-4 inch shoot growth (foliar and soil) **2nd application:** 10-12 inch shoot growth (foliar and soil) **3rd application:** 5 days pre-bloom (foliar) Avoid foliar pre-bloom application in varieties that are prone to under shatter. Use high rate in pre-bloom sprays on varieties that tend to over shatter. Avoid mixing with PGRs in bloom or shatter sprays. **4th to 6th applications:** sizing sprays (foliar) **7th application:** at veraison (foliar and soil) **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
Pome Fruits (Apples, Pears and Quince)	1 to 2 pounds per acre	**1st application:** tight cluster **2nd application:** pink bud **3rd application:** 7-10 days post petal fall **4th application:** 1/2-3/4 inch fruit **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
Stone Fruits (Peaches, Apricots, Plums, Prunes, etc.)	1 to 2 pounds per acre	**1st application:** pink or white bud **2nd application:** petal fall **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
Strawberries	2 pounds per acre	**Pre-plant:** transplant dip (2.5 to 7.5 oz per 20 gallons of water solution) **Repeat** soil applications every 14 days until harvest is complete.
VEGETABLES		
Cucurbit Vegetables (Cucumbers, Melons, Pumpkins, etc.)	1 to 2 pounds per acre	**1st application:** soil or transplant treatment at planting **Repeat** soil or foliar applications every 14-21 days until harvest is complete.
Fruiting Vegetables (Eggplant, Tomatoes, Peppers)	1 to 2 pounds per acre	**1st application:** soil or transplant treatment at planting **Repeat** soil or foliar applications every 14-21 days until harvest is complete. Use adequate water for very good coverage. Minimum 40 GPA for mature plants is recommended.
Leafy Vegetables (Celery, Endive, Lettuce, etc.)	1 to 2 pounds per acre	**1st application:** foliar application at the 2-4 leaf stage **Repeat** foliar applications every 14-21 days until harvest is complete.
FIELD CROPS		
Cotton	1 to 2 pounds per acre	**1st application:** soil applied treatment at planting **Repeat** soil or foliar applications every 7 to 21 days.
Rice	1 to 2 pounds per acre	**1st application:** 30 to 40 days after seeding **2nd application:** at early panicle emergence
NUTS		
Almonds	1 to 3 pounds per acre	**1st application:** pink bud **2nd application:** petal fall **3rd application:** before summer heat stress (late May early June) **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
Tree Nuts (Chestnuts, Pistachios, Pecans, Walnuts, etc.)	1 to 3 pounds per acre	**1st application:** 1% bloom **2nd application:** 30% bloom **3rd application:** 2 weeks after previous application **Repeat** every 2-4 weeks during summer months. **Post harvest application:** 2-4 weeks after harvest
OTHER		
Herbs and Spices	1 to 2 pounds per acre	**1st application:** soil or transplant treatment at planting **Repeat** applications every 14-21 days until harvest is complete.

F148 A1288_1218