**APPLICATION GUIDELINES**

**ACADIAN®** Organic is derived exclusively from marine plants harvested from the nutrient-rich waters of Eastern Canada. Consistent use of **ACADIAN®** Organic supplements a well-balanced crop nutrition program. Use **ACADIAN®** Organic to increase yield and quality, improve overall plant nutrition, improve root growth and development, improve plant vigor, and maximize crop potential during periods of stress. To achieve the desired results, the levels of major and minor nutrients must be adequate to support the increase in production. The following rates and timings of application are recommended for optimum efficacy.

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

**Storage and Handling: **Store away from intense sunlight and heat. Avoid spillage as product is very slippery and may create a hazard.

This product does not contain preservatives. It has been manufactured and packaged under strict sanitary conditions to be stable during transportation and storage. Once opened, use product immediately to avoid risk of contamination. Use within the season purchased.

**DIRECTIONS FOR USE**

**ACADIAN®** Organic fully dissolves in water and is suitable for use in liquid foliar, soil applied, and irrigation water applications. Shake well before use. Regular applications are important for maximizing crop potential during interrupted stress periods.

**Foliar Applications:** Fill the spray tank with water, begin agitating and gradually add recommended amount of **ACADIAN®** Organic with remainder of water and spray solution. 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 in high winds, rain or conditions to be stable during transportation and storage. Once opened, use product immediately to avoid risk of contamination. Use within the season purchased.

**Soil applications:** Soil, sidedress treatments, applications through the irrigation systems or other methods which effectively apply the product to the soil, may be used. **ACADIAN®** Organic is recommended for use in soil or transplant treatment at planting. The following rates and timings of application are recommended for optimum efficacy.

**Stone Fruits (Prune, Cherry, Peach, Nectarine, Apricots, Plums, Prunes, Pluots, Persimmons):** 48 TO 96 OUNCES PER ACRE Application rates and general recommendations to plant at planting. 32 TO 64 OUNCES PER ACRE 2nd application: Petal fall - 1 week after harvest. 16 TO 32 OUNCES PER ACRE 3rd application: petal fall - 2 weeks after harvest. 8 TO 16 OUNCES PER ACRE 4th application: petal fall - 3 weeks after harvest. Post-harvest applications: 4 TO 8 OUNCES PER ACRE repeat throughout harvest.

**Berry Crops (Current Year and Secondary Crop):** 1 TO 2 OZ PER 100 GALLONS OF WATER Application rates and general recommendations to plant at planting. 1 TO 2 OZ PER 100 GALLONS OF WATER 1st application: Petal fall - 1 week after harvest. 1 TO 2 OZ PER 100 GALLONS OF WATER 2nd application: Petal fall - 2 weeks after harvest. 1 TO 2 OZ PER 100 GALLONS OF WATER 3rd application: Petal fall - 3 weeks after harvest. Post-harvest applications: 1 TO 2 OZ PER 100 GALLONS OF WATER repeat throughout harvest.

**Figs:** 64 TO 128 OUNCES PER ACRE Application rates and general recommendations to plant at planting. Every 2-4 weeks through to harvest. Post-harvest application: 2-4 weeks after harvest.

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**VEGETABLE CROPS CONTINUED**

**Application Rates and General Recommendations**

**Leafy Vegetables**
- **Collards, Cabbage, Lettuce, Radicchio, Rhubarb, Spinach, Swiss Chard:**
  - 32 to 64 OUNCES PER ACRE
  - 1st application: soil or foliar application at the 2-4 leaf stage
  - Repeat: soil or foliar applications every 14-21 days until harvest

**Legumes**
- **Beans, Garbanzos, Lentils, Peas:**
  - 48 to 64 OUNCES PER ACRE
  - 1st application: soil applied treatment at planting
  - Repeat: soil or foliar applications every 14-21 days until harvest

**Root and Tuber Vegetables**
- **Beets, Carrots, Sweet Potatoes:**
  - 48 to 64 OUNCES PER ACRE
  - 1st application: soil applied treatment at planting
  - Repeat: soil or foliar applications every 2-14 days until harvest

**Hydroponic Cucumbers**
- **Tomatoes:**
  - 0.45 TO 0.90 OUNCES PER 100 GALLONS OF WATER
  - Hydroponic Lettuce
  - **Celery, Endive, Lettuce, Peas and Soybeans:**
  - 0.45 TO 0.90 OUNCES PER 100 GALLONS OF WATER

**SPECIFIC APPLICATION RATES: NUTS**

**Application Rates and General Recommendations**

**Almonds**
- 64 TO 128 OUNCES PER ACRE
  - 1st application: pre-bloom
  - 2nd application: post-bloom
  - 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

**Hazelnuts**
- 64 TO 128 OUNCES PER ACRE
  - 1st application: post-bloom
  - 2nd application: at ovule growth initiation
  - 3rd application: at leaf fall
  - Repeat: every 2-4 weeks until harvest

**Pistachios**
- 64 TO 128 OUNCES PER ACRE
  - 1st application: at early bloom
  - 2nd application: at fruit growth initiation
  - 3rd application: fully leafed out
  - Repeat: every 2-4 weeks during summer months

**Time Nuts**
- **Cashews, Pecans, Walnuts, Chestnuts, Macadamia, etc.:**
  - 64 TO 128 OUNCES PER ACRE
  - 1st application: 1% bloom
  - 2nd application: 30% bloom
  - 3rd application: 2 weeks after previous application

**SPECIFIC APPLICATION RATES: OTHER CROPS**

**Herbs and Spices**
- 32 TO 64 OUNCES PER ACRE
  - 1st application: soil or transplant treatment at planting
  - Repeat applications every 14-30 days

**Vegetable Seed Crops**
- **All Varieties:**
  - 32 TO 64 OUNCES PER ACRE
  - 1st application: soil or transplant treatment at planting
  - Repeat every 14-21 days

**Coffee**
- 64 TO 128 OUNCES PER ACRE
  - Foliar or soil applications at planting
  - Repeat treatments every 14-30 days
  - Post-harvest applications can be made every 2-4 weeks after harvest
  - Apply 3-5 days prior to an anticipated plant stress

**Cacao**
- 64 TO 128 OUNCES PER ACRE
  - Foliar or soil applications at planting
  - Repeat treatments every 2-4 weeks after harvest
  - Apply 3-5 days prior to an anticipated plant stress

**Papaya**
- 64 TO 128 OUNCES PER ACRE
  - Foliar or soil applications at planting
  - Repeat treatments every 14-30 days
  - Post-harvest applications can be made every 2-4 weeks after harvest
  - Apply 3-5 days prior to an anticipated plant stress

**Field Ornamentals**
- Make a 0.1% to 0.3% solution of ACADIAN® or apply 0.5 to 1.0 ounce per 1,000 square feet, apply to the root zone and/or foliage every 7-14 days.

**Hydroponic Cut Flowers**
- 0.45 OUNCES PER 100 GALLONS OF WATER
  - In substrate culture systems, apply continuously with each fertigation cycle. In closed systems, reapply every 7-14 days.

**ACADIAN®**
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- **Canada, B3B 1X8**

**Compliant with 7 CFR, Part 205 of NOP requirements.**

For your convenience, ACADIAN® Organic product information is available on Agrain database (http://agrian.com/home/) as well as in Crop Data Management Systems database (http://www.cdns.net/).

It is easy to have access to Acadian’s years of scientific research - just visit www.acadianseaplants.com and follow the link to request a username and password to the Acadian Information Portal.