

## LIQUID SEAWEED CONCENTRATE 0-0-5

### **GUARANTEED ANALYSIS**

Soluble Potash (K<sub>o</sub>O)

5.0%

Derived from seaweed extract (Ascophyllum nodosum) and potassium hydroxide

F000148

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

## Manufactured by and guaranteed by:

Acadian Seaplants Limited 30 Brown Avenue, Dartmouth, Nova Scotia Canada, B3B 1X8

Tel: +1 902 468 2840 Fax: +1 902 468 3474 Acadian Plant Health™ is a division of

Acadian Seaplants Limited

( PRODUCT OF CANADA

**NET CONTENT:** 

2.5 U.S. Gal

9.4 L

**NET WEIGHT:** 

24.2 lb 11.0 kg ACADIAN™ PLANT HEALTH



# LIQUID SEAWEED CONCENTRATE 0-0-5

## **GUARANTEED ANALYSIS**

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5.0%

Derived from seaweed extract (Ascophyllum nodosum) and potassium hydroxide

F000148

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

## **MIX BEFORE USE**

STORAGE: Store in cool, dry place away from direct

sunlight.

**CAUTION:** Keep out of reach of children.

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 or any other express or implied warranty except as stated above.

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 NET CONTENT:
 NET WEIGHT:

 2 x 2.5 U.S. Gal
 2 x 24.2 lb

 2 x 9.4 L
 2 x 11.0 kg



#### APPLICATION GUIDELINES

ACADIAN® Liquid Seaweed Concentrate is derived exclusively from morine plants harvested from the clean coastal waters of the North Alfantic Coean. Consistent use of ACADIAN® Liquid Seaweed Concentrate supplements a well-balanced crop nutrition program. Use ACADIAN® Liquid Seaweed Concentrate to increase desirable yield and quality improve overall plant nutrition, improve plant establishment 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 oothmum efficacy.

Compatibility: ACADIAN® Liquid Seaweed Concentrate 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® Liquid Seaweed Concentrate with the water in the tank prior to adding the calcium product. If interaction of chemicals is unknown, a "jan" compatibility test is recommended.

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

#### **DIRECTIONS FOR USE**

ACADIAN® Liquid Seaweed Concentrate fully dissolves in water and is suitable for use in liquid folior, soil applied, and irrigation water applications. Regular applications are important for maximizing crop potential during unexpected stress.

Foliar Applications: Fill half the spray tank with water, begin agitating and gradually add recommended amount of ACADIAN\* Liquid Seaweed Concentrate 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 during times of moisture or heat stress. For best results apply during the cool part of the day or when temperatures are below 85 degrees Fahrenheit. Do not spray just before or after rainfall or sprinkler irrigation. Use a surfactant for maximum dispersal and leaf adherence. Application rates for permanent crops should be adjusted based on plant size and leaf

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\* Liquid Seaweed Concentrate to the soil. When making irrigation treatments dilute 1 part ACADIAN\* Liquid Seaweed Concentrate in a minimum of 50 parts of finished solution and agitate thoroughly. Continuous agitation of the supply tank is recommended. ACADIAN\* Liquid Seaweed Concentrate can be applied through drip, microjet, sprinkle, overhead, furrow, flood and other types of irrigation at the suggested rates. For micro sprinkler, soild set or drip irrigation, apply after the system is fully pressurized, inject finished solution for at least one hour and follow with clean water for at least two hours. Avoid heavy irrigations immediately following applications.

Rooting/Transplant Solution: To encourage root growth of new transplants, treat roots with a solution of ACADIAN $^\circ$  Liquid Seaweed Concentrate at the rate of 0.1 – 0.7% solution prior to transplanting.

Late Season and Post-Harvest Applications: ACADIAN® Liquid Seaweed Concentrate is an excellent way to encourage root growth and prepare perennial crops for next season's early growth. Apply to the soil or foliar using above methods.

ADDITIONAL APPLICATIONS SHOULD BE MADE IMMEDIATELY PRIOR TO OR FOLLOWING STRESS

PERIODS SUCH AS CHILL. HEAT OR DROUGHT.

#### GENERAL CROP APPLICATION RATES

Woody Perennial Crops (Trees, Vines, Bushes, etc.): Apply 32 to 96 ounces of ACADIAN® Liquid Seaweed Concentrate per acre starting at regrowth 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 domanox. Apolications can be made elither foliar or to the soil. Apoll 5-5 days prior to an articipated plant stress.

Other Fruit and Vegetable Crops: Apply 32 to 96 ounces of ACADIAN® Liquid Seaweed Concentrate 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.

Field Crops: Apply 3 ounces of ACADIAN® Liquid Seaweed Concentrate per acre at planting. Follow with applications of 10 to 16 ounces per acre at key arowth stages (see specific recommendations). Applications can be made either foliar or to the soil. Apolv 3-5 days prior to an anticipated plant stress.

#### SPECIFIC APPLICATION RATES: FRUIT CROPS

CROP	APPLICATION RATES AND GENERAL RECOMMENDATIONS	CROP	APPLICATION RATES AND GENERAL RECOMMENDATIONS	
AVOCADOS	32 TO 96 OUNCES PER ACRE Ist application: at start of regrowth in the spring 2nd application: 2 weeks pre-bloom 3rd application: 2 weeks after petal fall 4th plication before sumer fault does	FIGS	32 TO 96 OUNCES PER ACRE 1st application: at start of growth in the spring Repeat: every 2-4 weeks Post-harvest application: 2-4 weeks after harvest	
	4th application: before summer fruit drop Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks after harvest	KIWI	32 TO 96 OUNCES PER ACRE 1st application: at start of growth in the spring 2nd application: 2 weeks pre-bloom	
BUSHBERRIES (Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, etc.)	32 TO 96 OUNCES PER ACRE  1st application: 4 weeks pre-bloom (soil) 2nd application: 2 weeks pre-bloom 3rd application: petal fall		3rd application: petal fall Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks after harvest 32 TO 96 OUNCES PER ACRE	
CANEBERRIES	Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks after harvest 32 TO 96 OUNCES PER ACRE	OLIVES	32 10 96 OUNCES PER ACRE 1st application: late winter (foliar) 2nd application: 2 weeks pre-bloom Repeat: every 2-4 weeks through to harvest	
(Blackberry, Loganberry, Raspberry, etc.)	1st application: at start of growth in the spring 2nd application: 2 weeks pre-bloom 3rd application: petal fall	PINEAPPLE	Post-harvest application: 2-4 weeks after harvest 32 TO 96 OUNCES PER ACRE	
CHERRIES	Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks after harvest 32 TO 96 OUNCES PER ACRE		Foliar or soil applications at planting.  Repeat every 2-4 weeks during the growth and fruit development periods.	
CHERRIES	3 / 1036 UNICES PER ALCE 154 applications, within but 2nd applications, petral fall to shack fall 3nd applications, petral fall to shack fall 3nd applications, personal young fruit Apply with gibber ellin proys. Avoid sprays after straw-colored fruit on none-gibberellin blocks where early mortest is desired. Respect during times of stress	POME FRUITS (Apples, Pears and Quince)	32 TO 96 OUNCES PER ACRE Ist opplication: Tight cluster Zand opplication; pint bud Jard opplication; pint bud Jard opplication; pint bud Hangplication; 12-34" fristil Repeat very 2-4 week during summer months Pest-harves yelloptication; 2-4 weeks after harvest	
CITRUS (Grapefruit, Lemons, Limes, Mandarins, Oranges, etc.)	Post-harvest application: 2-4 weeks after harvest  32 TO 96 OUNCES PER ACRE 1st application: start of growth in the spring (feather growth) 2nd application: 2 weeks pre-bloom 3rd application: pelot fall	POMEGRANATE	32 TO 96 OUNCES PER ACRE 1st opplications start of growth in the spring 2nd applications? weeks pre-bloom 3rd application: zweeks pre-bloom 3rd application: prest fall Repeat: every 2-4 weeks Post-harvest application: 2-4 weeks after harvest	
	Repeat: every 2-4 weeks during summer Fall: apply with gibberellin sprays in mid and late season varieties Post-harvest application: 2-4 weeks after harvest		32 TO 96 OUNCES PER ACRE 1st application: pink/white bud 2nd application: petal fall 3rd application: jacket split	
CRANBERRIES	32 TO 96 OUNCES PER ACRE 1st application: 4 weeks pre-bloom (soil) 2nd application: 2 weeks pre-bloom 3rd application: petal fall Repeat: ever 2-4 weeks Post-harvest application: 2-4 weeks after harvest	Prunes, etc.)	Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks after harvest	
		STRAWBERRIES	32 TO 96 OUNCES PER ACRE Pre-plant: 0.1 – 0.7% solution Repeal: soil applications every 14 days until harvest is complete	
GRAPES (Wine)	32 TO 95 OUNCES PER ACEE  13 TO 95 OUNCES PER ACEE  13 tap opplication: 1-4 inch shoot growth (folior and soil)  2nd application: 10-7 iz inch shoot growth (folior and soil)  2nd application: 50-60 stype set-boom (folior)  Avoid folior pre-bloom application in varieties that are prone to under shafter. Use high rate in pre-bloom sprays on varieties that tend to over shafter.  4th application: 28 vised berries (2.3 mm) (folior)  5th applications: 28 vised berries (3.3 mm) (folior)  8th application: 24 weeks during summer months  Repeat: every 2-4 weeks during summer months  Past-harvest applications: 2-4 weeks ofter harvest	HYDROPONIC STRAWBERRIES	0.45 TO 0.9 OUNCES PER 100 GALLONS OF WATER In substrate culture systems, apply continuously with each fertigation cycle. In closed systems, reapply every 7-14 days.	
GRAPES (Table, Raisin and Juice)	32 TO 96 OUNCES PER ACRE 1st applications: 1-4 finch shoot growth (folior and soil) 2nd applications: 1-70 linch shoot growth (folior and soil) 3rd applications: 5 days pre-1 bloom (folior) Avoid bloin pre-1 bloom opplication in survities that are prone to under shatter. Use high rate in pre-1 bloom sproys on varieties that feet also vers blander. 4th 6-th applications: sizing prays (foliar) 7th applications: revision (folior and soil) Repeate: very 2-4 weeks during summer months Pest-1-bravest applications: 2-4 weeks ther harvest			

S	PECIFIC	C APPI ICA	TION RATES	<ul> <li>VFGFTARI I</li> </ul>	F CROPS

CROP	APPLICATION RATES AND GENERAL RECOMMENDATIONS	CROP	APPLICATION RATES AND GENERAL RECOMMENDATIONS	
ASPARAGUS	32 TO 96 OUNCES PER ACRE For new plants, make a sail application at planting followed by soil or foliar opplications every 14-21 days. For established plants, begin applications when harvest is complete and repeat every 14-21 days.	ALFALFA	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 16 OUNCES PER ACRE Soil or foliar applications after each cutting or every 3–4 weeks	
BRASSICA VEGETABLES (Broccoli, Brussels Sprouts, Cauliflower, Collards, Cabbage, Kale, and Mustard Greens)	every 14-2 augs.  32 To 96 OUNCES PER ACRE 1st applications: soil or transplant treatment at planting Repect: soil or foliar applications every 14-21 days until harvest is complete	. CORN (Grain, Feed, Seed, Forage and Silage)	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 60 UNICES PER ACRE Soil or foliar application at the pretassel stage. Applications co be made either foliar or to the soil. Apply 3-5 days prior to an anticipated stress.	
BULB VEGETABLES Garlic, Leeks, Onions, and Shallots)	32 TO 96 OUNCES PER ACRE 1st application: soil applied treatment at planting Repeat: soil or foliar applications every 14–21 days until harvest is complete	. COTTON	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 16 OUNCES PER ACRE Foliar or soil application at the pinhead square, followed by an additional application 2 weeks after pinhead square	
CORN (Fresh, Sweet, and Pop)	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 16 OUNCES PER ACRE Soil or foliar application at the pretassel stage.	HOPS	10 TO 16 OUNCES PER ACRE 1st application: at the start of training in the spring Repeat: every 2-4 weeks	
CUCURBIT VEGETABLES Cantaloupe, Cucumbers, Gourds, Honeydew, Auskmelons, Squash, Pumpkins, and	32 TO 96 OUNCES PER ACRE 1st applications: soil or transplant treatment at planting Repeat: soil or foliar applications every 14-21 days until harvest is complete	RICE	3 OUNCES PER ACRE Sail applied before, at, or near planting 10 TO 16 OUNCES PER ACRE Foliar or soil applications at tiller initiation and again at panicle emergence	
Vatermelons)  RUITING VEGETABLES	32 TO 96 OUNCES PER ACRE	SOYBEANS	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 16 OUNCES PER ACRE Foliar application at V4-83	
Eggplant, Fresh 'omatoes, Processing 'omatoes, and Peppers)	1st application: soil or transplant treatment at planting Repeat: soil or foliar applications every 14-21 days until har vest is complete. Use adequate water for very good coverage. Minimum 40 GPA for mature plants is recommended.	CEREALS	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 16 OUNCES PER ACRE Foliar or soil applications at tiller initiation and again at panicle emergence	
EAFY VEGETABLES Celery, Endive, Lettuce, Radicchio, Rhubarb, Spinach and Swiss Chard)	32 TO 96 OUNCES PER ACRE 1st application: folior application at the 2-4 leaf stage Repeat: foliar applications every 14-21 days until harvest	ALL OTHER BROAD ACRE AND ROW CROPS	3 OUNCES PER ACRE In-furrow or banded at planting, or with row starter 10 TO 16 OUNCES PER ACRE Two weeks after planting through harvest	
EGUMES RESH, DRY AND	32 TO 96 OUNCES PER ACRE 1st application: soil applied treatment at planting Repeat: soil or foliar applications every 14-21 days until harvest	SPECIFIC APPLICATION RATES: NUTS		
PROCESSING Beans, Garbanzos, entils and Peas)		CROP	APPLICATION RATES AND GENERAL RECOMMENDATIONS 32 TO 96 OUNCES PER ACRE	
POTATOES	32 TO 96 OUNCES PER ACRE 1st application: soil applied treatment at planting 2nd application: at tuber initiation	ALMONDS	32 ID 96 UNIVES PER MARE 1st application: pink bud 2nd application: petal fall 3rd application: before summer heat stress (late May, early Jur Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks ofter harvest	
PEANUTS	32 TO 96 OUNCES PER ACRE  1st application: soil applied treatment at planting  Repeat: soil or foliar applications every 14–21 days until harvest	HAZELNUTS	32 TO 96 COUNCES PER ACRE  1st application: at ovule growth initiation 2nd application: first leaf expansion	
ROOT AND TUBER /EGETABLES (Beets, Carrots,	32 TO 96 OUNCES PER ACRE 1st application: soil applied treatment at planting Repeat: soil or foliar applications every 14-21 days until harvest	DISTACINOS	Repeat: every 2-4 weeks until harvest Post-harvest application: 2-4 weeks after harvest 32 TO 96 OUNCES PER ACRE	
Weet Potatoes, etc.) HYDROPONIC CUCUMBERS	0.45 TO 0.90 OUNCES PER 100 GALLONS OF WATER In substrate culture systems, apply continuously with each fertigation cycle. In closed systems, reapply every 7-14 days.	PISTACHIOS	1st application: at early bud break 2nd application: at bloom 3rd application: fully leafed out Repeat: every 2-4 weeks during summer months Post-harvest application: 2-4 weeks after harvest	
HYDROPONIC LETTUCE	0.45 TO 0.90 OUNCES PER 100 GALLONS OF WATER In substrate culture systems, apply continuously with each fertigation cycle. In closed systems, reapply every 7-14 days.	Tree Nuts (Cashews, Pecans,	rost-norvest oppications: -4 weeks after narvest 32 TO 96 UNICES PER ACRE 1st application: 1% bloom 2nd application: 30% bloom 3nd application? Weeks after previous application Repeat: every 2-4 weeks during summer months Post-horvest applications: -2 weeks after harvest	
HYDROPONIC PEPPERS AND TOMATOES	0.45 TO 0.90 OUNCES PER 100 GALLONS OF WATER In substrate culture systems, apply continuously with each ferligation cycle. In closed systems, reapply every 7-14 days.	Walnuts, Chestnuts, Macadamia, etc.)		

#### SPECIFIC APPLICATION RATES: OTHER CROPS

CROP	APPLICATION RATES AND GENERAL RECOMMENDATIONS		
HERBS AND SPICES	32 TO 96 OUNCES PER ACRE 1st application: soil or transplant treatment at planting Repeat: applications every 14-21 days.		
VEGETABLE SEED CROPS (All Varieties)	32 TO 96 OUNCES PER ACRE 1st application: at planting (sail) Repeat: every 14-21 days Apply as foliar spray pre-bloom and 7-10 days before beginning "dry down" prior to harvest.		
— COFFEE	32 TO 96 OUNCES PER ACRE Folior or soil applications at planting. Repeal treatments every 14-30 days. Post-harvest applications can be made every 2-4 weeks offer harvest. Apply 3-5 days prior to an anticipated plant stress.		
CACAO	32 TO 96 OUNCES PER ACRE Folior or soil applications at planting. Repeat Irractiments every 14-30 days. Post-harvest applications can be made every 2-4 weeks offer harvest. Apply 3-5 days prior to an anticipated plant stress.		
PAPAYA	32 TO 96 OUNCES PER ACRE Folior or soil applications at planting. Repeat Irractiments every 14-30 days. Post-harvest applications can be made every 2-4 weeks offer harvest. Apply 3-5 days prior to an anticipated plant stress.		
TURF	Make a 0.1% to 0.3% solution of ACADIAN* Liquid Seeweed Concentrate or apply 0.5 to 1.0 aunce per 1,000 square feet, apply to the root zone and/or foliage every 7-14 days. Do not apply near water, storm drains or drainage ditches. Do not apply the way roll in sexpected, Apply this product only to your lown, and sweep any product that lands on the driveway, sidewalls or stee book only our lown.		
FIELD ORNAMENTALS	Make a 0.1% to 0.3% solution of ACADIAN® Liquid Seaweed Concentrate; apply to the root zone 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.		



Contact your local dealer or advisor for specific use recommendations.

For your convenience, ACADIAN® Liquid Seaweed Concentrate product information is available in Telus Agriculture (https://www.telus.com/agcg/agribusiness) as well as in Crop Data Management Systems database (http://www.cdms.net/).



#### GENERAL INFORMATION:

ACADIAN® Liquid Seaweed Concentrate has been researched around the globe, with trial results proving again and again ACADIAN® Liquid Seaweed Concentrate works where it counts – in the field.

#### **DIRECTIONS FOR USE**

Apply in foliar or root application systems early in the season and continue throughout the entire growing period. Use ACADIAN® Liquid Seaweed Concentrate as a supplement to a well balanced crop management program designed to maximize quality crop production. To achieve desired results, major and minor nutrient levels must be adequate to support increased production.

The product may not be applied near water, storm drains or drainage ditches.

The product may not be applied if heavy rain is expected. The product may only be applied to the intended application site.

Peel the label for crop-specific rates and timings.

#### COMPATIBILITY

ACADIAN® Liquid Seaweed Concentrate is compatible with most insecticides, fungicides and fertilizers. When interaction is unknown, a "jar" compatibility test is recommended.

#### **STORAGE**

Store in a cool, dry place away from direct sunlight.

#### CAUTION

Keep out of reach of children.

## SHAKE BEFORE USE

#### **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.