



**0.5-0-14**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .....	0.5%
0.5% Water Soluble Nitrogen	
Soluble Potash (K <sub>2</sub> O).....	14.0%

**Derived from:** Seaweed extract (*Ascophyllum nodosum*), potassium hydroxide and protein hydrolysate

**General Information:** *INVOKE* is intended for use on food crops, turf and ornamentals. It is intended to compliment good soil and foliar fertility programs. It is not intended or implied to be a substitute for sound soil fertilization and cultural practices.

**Compatibility:** *INVOKE* is compatible with most insecticides, fungicides and many conventional and organic fertilizers. If the desired combination has not previously been used, a compatibility test is recommended. For best results, follow supplemental guidelines regarding mixing and application. A foam reduction product may be needed in some fertilizer or tank mixes. Verify that the pH of finished solution is suitable for other products in the tank.

**Foliar Application Mixing Directions:** - For best results mix *INVOKE* with clean water and agitate thoroughly, then add remainder of desired materials. Dilute 1 lb of *INVOKE* in 20-200 gal of finished spray and agitate thoroughly.

**Foliar Application Mix Order:** Add *INVOKE* first into clear water. Add product slowly into agitating water. Adding product too quickly into spray tank is the most common cause of mixing concerns.

**Surfactants:** Use only non-ionic surfactants approved for use on growing crops.

**Precautions:**

- Adding any surfactant to spray water before adding product may result in the powder particles being coated by the surfactant, rendering them insoluble and unusable.
- Avoid concentrated tank mixes with a final pH below 5.0 or above pH 10. Do not mix this product with pyrophosphates, phosphoric acid, or other strong oxidizers.
- The use of very cold mix water will require that the product be added slower to the tank and agitated longer prior to application.
- Wear protective clothing required by local worker safety regulations.

**Irrigation Applications** - Apply *INVOKE* only through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury and lack of effectiveness can result from non-uniform distribution of treated water. Avoid heavy irrigation following application that may leach material beyond the root system of the crop.

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

**USE PROMPTLY**

Use *INVOKE* on the same day it is mixed with water. Carefully reseal opened packages to minimize exposure to air and moisture. Use opened packages within 3 weeks. Avoid contact with moisture prior to use. Always refer to the label on the actual product container.

**NOTICE TO BUYER:** Sym-Agro, Inc. warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. SYM-AGRO, INC. DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BUYER'S EXCLUSIVE REMEDY AND SYM-AGRO INC. EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF PRODUCT. In no case shall Sym-Agro, Inc. or the seller be liable for consequential, special or indirect damages resulting from the use of handling of this product. Buyers and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied any verbal or written agreement.

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

**Net Weight: 50 ozs (1.44 kgs)**

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**Suggested Rates Per Acre and Timings**

TREE & VINE CROPS	In-season, apply 10-20 oz every 21-30 days, starting with bud break through fruit sizing and during times of root development. Apply 3-5 days prior to anticipated plant stress. Post-harvest, apply 10-20 oz 7-10 days following harvest. Repeat every 14 days for a total of 3 applications.
VEGETABLE & ROW CROPS	Apply 10-20 oz at emergence repeating every 14-21 days as required. Apply 3-5 days prior to any anticipated plant stress. Can be applied up to and through harvest.
ALFALFA	Apply 5-10 oz before each cutting. Can be sprayed in a dilute mixture over the top of recently cut plants, applied via sprinklers.
PLANTING SOLUTIONS	BARE ROOT TREES and VINES Root Dip: Dip roots or cuttings in a solution of 15-20 oz / 100 gal of water. Potted VEGETABLES and ORNAMENTALS: Drench transplant trays with a solution of 10-20 oz / 100 gal of water
<b>Foliar Applications - INVOKE</b> is compatible with most foliar nutrients and crop protection products. Perform a test mix on unfamiliar tank mix combinations. Apply in a maximum concentration of 1 lb of INVOKE in 20 gal of water. 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.	
<b>PERMANENT CROPS (RATE/ACRE)</b>	
ALMONDS	Apply 10-20 oz at pre-bloom, bloom, & set. Apply 10-20 oz in post-harvest nutrient sprays.
AVOCADO	Apply 10-20 oz at fruit set, repeat 1-2 applications on 28 day intervals. Apply 10-12 oz 15 and 30 days before harvest.
APPLES & PEARS	Apply 10-20 oz at green tip, pink bud, and full bloom. Apply 10-20 oz at fruit set and again at 1" fruit. Apply 10-20 oz, 30 & 15 days before harvest to assist with fruit color.
BLUEBERRIES	Apply 10-20 oz every 21-28 days starting at bud swell and continuing through harvest.
CANE BERRIES	Apply 10-20 oz every 21 days starting at early bloom through harvest.
CHERRIES	Apply 10-20 oz every 14-21 days starting at pink tip through petal fall. Apply 10-20 oz at jacket split or pea sized fruit. Apply pre-harvest at 10-20 oz within 3 days before harvest. Apply 10-20 oz 7-10 days following harvest. Repeat every 14 days for a total of 3 applications.
CRANBERRIES	Apply 5-10 oz. Make the first application pre-bloom and 1 additional application at 50% bloom.
CITRUS	Apply 10-20 oz at first feather leaf, pre-bloom, & petal fall. Apply 10-20 oz with summer insecticide sprays or apply 3-5 days prior to heat stress event.
HOPS	Apply 10-20 oz starting prior to or at burr stage, and at 21 day intervals.
HAZELNUTS	Apply 10-20 oz at bloom, & nut set. Apply 10-20 oz in post-harvest nutrient sprays.
GRAPES Table, wine, raisin, DOV	Apply 10-20 oz at 1" to 2" shoot growth with first fungicide. Apply 10-20 oz at 2" fruit cluster and again at pre-bloom, post-bloom berry touch and veraison. Apply 10-20 oz in each sizing spray.
ALOE, BANANA, COFFEE, FIGS, MANGO, PAPAYA	Apply 10-20 oz at 21 day intervals, starting 7 days after new growth has initiated.
OLIVES	Apply 10-20 oz at pre-bloom, bloom, set and 15-30 days before harvest.
PISTACHIOS	Apply 10-20 oz at pre-bloom, bloom, nut set & mid-summer.
STONEFRUITS Apricot, Nectarine, Peach, Plum, Prune	Apply 10-20 oz per acre at bud swell and full bloom. Use 10-20 oz at pit hardening and 21 days later. Apply post-harvest.
STRAWBERRIES	Apply 10-20 oz per 20 gals of transplant foliar drench. Apply 10-20 oz as soon as plants are established, make application and repeat on a 14-21 day spray interval.
<b>VEGETABLE CROPS (RATE/ACRE)</b>	
CARROTS	Apply 10-20 oz at first true leaf and 14-21 days later.
LETTUCE, BROCCOLI, CAULIFLOWER	For transplant trays, apply 10-20 oz per acre, mixed with a minimum of 150 gals of water. Foliar apply 10-20 oz at 3-5 true leaves. Apply at rosette or thinning stage repeating at 21-28 day intervals. Apply 10-20 oz up to 3 days prior to harvest.
SPINACH, LEAFY GREENS	Apply 10-20 oz starting at 3-5 leaf and repeat every 21-28 days through harvest. Repeat on multiple Cuttings/plantings.
CUCURBIT, MELONS, SQUASH, ETC	Apply 10-20 oz at transplant, bud break, and 14-21 days later.
CELERY	Apply 10-20 oz first application about 1 week after transplanting and a second 2-3 weeks later.
ONIONS, GARLIC	Apply 10-20 oz at first true leaves and 21 days later – Do not apply within 30 days of harvest. On transplant onions apply 10-20 oz prior to transplanting and 21 day later.
PEPPERS,	For transplants, apply 10-20 oz, mixed with a minimum of 150 gals of water. Apply foliar at 10-20 oz 7 days



EGGPLANT	prior to first bloom. Repeat every 21 days through harvest.
POTATOES SEED	Apply 10-20 oz at plant emergence to first hook and 1-2 sequential applications at 21 days.
POTATOES MARKET	Apply application at tuber set and 1-2 sequential applications at 21 day intervals up to 15 days before harvest.
BEANS GREEN	Apply 5-10 oz between 1 <sup>st</sup> trifoliolate and pearl (white bud) stage and 1 sequential application 14 days later.
SOYBEAN	Apply 5-10 oz between 1 <sup>st</sup> trifoliolate and pearl (white bud) stage and 1 sequential application 14 days later.
SWEETCORN	Apply foliar at 5-8 oz at 4-6 leaf stage and repeat around the V-12 growth stage <i>pre tassel</i> .
SWEET POTATO	Apply foliar at 5-10 oz at about 4 weeks after setting out.
TOMATOES, processing and fresh market	For transplants, apply 10-20 oz per acre to foliage, mixed with a minimum of 150 gals of water. Apply 10-20 oz at first flower and repeat prior to second flowering cycle. Apply foliar applications of 10-20 oz every 21-28 days starting at first red for a total of 1-2 applications. Apply a minimum spray volume of 40 GPA for mature plants.
<b>FIELD CROPS – Soil and Foliar Applications (RATES/ACRE)</b>	
DRY BEANS	Apply 5-10 oz between 1 <sup>st</sup> trifoliolate and pearl (white bud) stage and 1 sequential application 14 days later.
ALFALFA	Apply foliar at 5-10 oz two weeks prior to cutting.
CORN, FIELD	Apply foliar at 3-6 oz at 4-6 leaf stage and repeat at the V-15 growth stage.
Cotton	Apply 5-10 oz early season, typically from 2-4 to the 8-leaf stage. Can be applied as late as early bloom.
RICE	Foliar apply at 3-6 oz at 4-6" shoot growth and at early panicle emergence.
MINT	Apply foliar at 10-15 oz in spring with first greening & 2 weeks before harvest.
GRASSES SEED	Apply 3-6 oz at emergence (1-2 leaf) early spring and at flag leaf emergence.
SUGAR BEETS	Apply 5-10 oz at early crop stage.
WHEAT, CEREAL	Apply 3-6 oz at 4-6" shoot growth. Apply 3-6 oz at flag leaf emergence.
<b>Other Applications - TURF AND ORNAMENTALS</b>	
NURSERY or BEDDING PLANTS	Foliar apply a dilute spray of 10-15 oz per 100 gals of water (2 tsp / gal). Capture run-off into soil media.
TRANSPLANTING SOLUTION	Potted plants: drench foliage just prior to planting with solution (10-15oz / 100 gal). Bare root and cuttings: dip in a solution of 10-15 oz / 100 gal. Allow to dry before planting.
TURF	Apply 3-6 oz per acre. Reapply every 21-28 days throughout growing season
<b>Vegetable SEED Crops</b>	
All Varieties	Apply as foliar spray at 10-15 oz prior to each flowering cycle. Apply 10-15 oz, as a foliar, 7-10 days before beginning "dry down" prior to harvest.