

# PROFYL™

## 7-21-2 with zinc and humic acids

**GRADE 7-21-2  
with Zn 0.3%  
GUARANTEED ANALYSIS:**

Total Nitrogen (N) .....	7.0%
5.9% Ammoniacal Nitrogen	
1.1% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	21.0%
Soluble Potash (K <sub>2</sub> O) .....	2.0%
Zinc (Zn).....	0.3%
0.3% Water Soluble Zinc (Zn)	
Derived from: Urea, Ammonium Phosphate, Phosphoric Acid, Potassium Hydroxide and Zinc Sulfate.	

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:  
7.0% Humic Acids derived from Leonardite Ore.



### **WARNING** **KEEP OUT OF THE REACH OF** **CHILDREN, PETS AND LIVESTOCK**

**Harmful if swallowed.**  
**Avoid contact with skin, eyes or clothing.**

**Refer to the Safety Data Sheet (SDS) for important  
Environmental, Safety, and Health Information.**

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

**WARNING:** This material should only be used as recommended. It may prove harmful when misused.

- Avoid contact with eyes
- Avoid contact with skin
- Avoid breathing fumes or spray mist
- Do not swallow
- Wash thoroughly after handling

**First Aid:** In the event of eye and/or skin contact – flush affected areas with large quantities of plain water. If irritation persists seek medical attention.

**Personal Protective Equipment:** Wear gloves and protective clothing. Wear eye protection (glasses, goggles or face shield).

#### **GENERAL INFORMATION**

ProFyl™ contains nitrogen, phosphate, potassium, zinc and humic acids derived from Leonardite Ore. ProFyl may be used as a soil or foliar application to any food or fiber crop where the addition of one or more of the nutrients contained in ProFyl would be beneficial. ProFyl can be placed in a band 1-2 inches below seeds or directly injected into the root system. Foliar applications of ProFyl can be beneficial to remediate a deficiency of one of the nutrients contained in ProFyl. Application rates will vary depending on crop grown.

#### **APPLICATION INSTRUCTIONS**

ProFyl can be applied to most vegetable and cucurbit crops, field crops, row crops, deciduous fruit and nut trees, grapes, berries, olives and citrus. Timing and rate of application for each crop is critical for best results. Several variables are known to influence the proper rate of application to prevent or resolve a specific nutrient deficiency. Refer to the requirements of your state for specific crop recommendations.

#### **SOIL APPLICATION RATES**

**VEGETABLES, CUCURBITS, ROW CROPS, FIELD CROPS:** Apply 1 to 5 gallons ProFyl per acre as a starter fertilizer or as a soil applied broadcast application in a balanced fertility program. Water may be added to increase application rate.  
**Potato:** Apply 3 to 7 gallons ProFyl per acre as a starter.

**DECIDUOUS FRUIT AND NUT TREES, GRAPES, OLIVES AND CITRUS:** Inject 10 to 30 gallons per acre 3 to 5 inches deep at the drip line, or surface band and water into soil.

#### **FERTIGATION: DRIP IRRIGATION – MICRO SPRINKLER (SOLID SET OR MOVING SPRINKLERS)**

**ALL CROPS:** Use 1 to 5 gallons per acre per irrigation with up to 20 gallons per acre per season. Continue irrigation for a minimum of 2 hours after application to flush line and to maximize nutrient distribution with drip or microsprinkler use.

#### **FOLIAR APPLICATION RATES: VEGETABLES, CUCURBITS, COLE CROPS, PEPPERS AND TOMATOES:**

Use as a supplemental phosphate source prior to mid-season. A second application may be necessary. Apply with 10 to 30 gallons of water per acre at rates of 1 to 6 gallons per acre depending on bed size. May be applied through center pivot irrigation systems. **ALL FIELD CROPS:** Use 1 to 5 gallons per acre. Under deficient conditions a second application may be required 2 weeks later. Up to 5 gallons per acre may be applied. Apply with a minimum of 10 gallons of water per acre. **Alfalfa:** Apply up to 10 gallons per acre over newly harvested hay stubble. **Potato:** Apply up to 5 gallons per acre. May be applied through center pivot irrigation systems.

**DECIDUOUS FRUIT AND NUT TREES, GRAPES, OLIVES AND CITRUS:** Apply 2 to 4 gallons per acre in a minimum of 50 gallons of water. **NOTE:** For all crops, the rate of water should be sufficient for thorough coverage. Coverage is dependent on proper droplet size, which is a function of nozzle size and pressure.

#### **MIXING INSTRUCTIONS**

ProFyl mixes easily with water, as follows:

1. Partially fill tank with water and start agitation.
2. Add pesticide or other nutrients. ProFyl is compatible with micronutrients if used at a minimum of 8 parts to 1 part micronutrient.
3. Add ProFyl to circulating tank mix.
4. Fill tank and agitate thoroughly.

#### **STORAGE & DISPOSAL**

Store product in original container. Do not store in excessive cold or heat. Do not reuse container. Do not contaminate water, food or feed by storage or disposal. Keep packaging closed, securely fastened and upright. Triple rinse or equivalent and dispose of container in accordance with local, state and federal regulations. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC webpage at [www.acrecycle.org](http://www.acrecycle.org).

**Conditions of Sale and Warranty Limitation:** The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of CHS Inc. or the seller. All such risks shall be assumed by the buyer. CHS Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. CHS Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall CHS Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CHS Inc. and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CHS Inc.

**NET CONTENTS: \_\_\_\_\_ GALLONS**

**NET WEIGHT: \_\_\_\_\_ LBS**

**DENSITY: 10.95 LBS PER GALLON at 68°F**

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