

# Leffingwell®

COMPREHENSIVE PLANT NUTRITION

# Nutra-Phos® Zn-K Plus 3-20-10

FOR PROFESSIONAL USE ONLY - READ THE LABEL BEFORE USE

*Leffingwell® Nutra-Phos® Zn-K Plus 3-20-10 is a foliar nutrition product*

### GUARANTEED ANALYSIS

Total Nitrogen (N).....	3%
3% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	20%
Soluble Potash (K <sub>2</sub> O).....	10%
Calcium (Ca).....	12%
Zinc (Zn).....	20%
Derived from Potassium Nitrate, Zinc Oxide, Calcium Phosphate, Chlorine (Cl) not more than 0.2%	

A Material Safety Data Sheet is available for this product

F1673

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

### WARNING

#### Keep out of reach of children

Injurious to health by ingestion or inhalation of excessive quantities

In case of contact with eyes and/or skin immediately flush with plenty of water and seek medical attention

### GENERAL RECOMMENDATIONS

Leffingwell® Nutra-Phos Zn-K Plus 3-20-10 is formulated to be used as a foliar or dormant spray to supply plant nutrients. This product is recommended for foliar use as a supplementary source of plant nutrients in a fertilization program based on soil or tissue analysis.

For more information about Leffingwell products, their uses and benefits, consult your YARA representative or our website at [www.yaravita.com](http://www.yaravita.com)

**Net Weight:**  
**50 lbs/22.7 kg**

**MAINTAIN ADEQUATE  
AGITATION AT ALL TIMES**

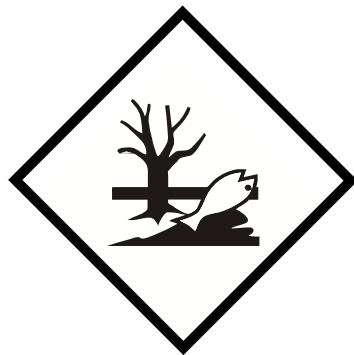
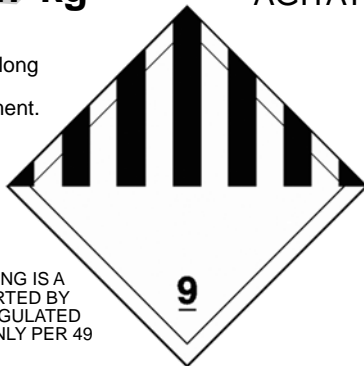
### Warning

- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- P273: Avoid release to the environment.
- P391: Collect spillage.

**UN 3077**

**ENVIRONMENTALLY  
HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (zinc oxide)**

THIS PRODUCT IN NON-BULK PACKAGING IS A MARINE POLLUTANT WHEN TRANSPORTED BY VESSEL. HOWEVER, IT IS NOT DOT REGULATED WHEN TRANSPORTED BY HIGHWAY ONLY PER 49 CFR, 171.4(c)



Contents made in Great Britain  
Guaranteed & Manufactured by Yara UK Ltd., Manor Place, Wellington Road,  
The Industrial Estate, Pocklington, York YO42 1DN, U.K.  
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WLU590181

# Nutra-Phos® Zn-K Plus

## 3-20-10

### APPLICATION METHODS

This product may be applied by air, ground sprayer or overhead sprinkler. Apply aerial applications in at least 5 gallons/acre (~20 liters/hectare) and ground applications in at least 10 gallons/acre (~40 liters/hectare); however, when total application gallowage is 25 gallons per acre (~100 liters/hectare) or less, DO NOT mix more than 1 lb. of this product per gallon of water (~0.5 kg/10 liters). For overhead sprinkler applications, apply in no more than 1/4 acre inch (6 mm/hectare) water.

### DOSE RATES AND TIMINGS

**ALFALFA, CLOVER** — For Hay: 3 to 15 lb. per acre (3 to 17 kg/hectare) per application. First application at 3 to 8 inches (7 to 20 cm), repeat application to new growth after each cutting.  
**ALFALFA, CLOVER** — For Seed: 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. First application at bud to earlybloom stage, repeat applications at intervals of 2 to 3 weeks as necessary.  
**ALMONDS** — 10 to 25 lb. per acre (11 to 28 kg/hectare) per application in pre- and/or post-bloom sprays. Repeat as needed.  
**APPLES, PEARS** — 5 to 25 lb. per acre (6 to 28 kg/hectare) per application in pre- and post-bloom sprays. Repeat as needed.  
**APRICOTS, PRUNES, PLUMS, NECTARINES, PEACHES, CHERRIES** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application in post-bloom sprays. More than one application is advisable. Cherries: A post-harvest application of 10 to 15 lb. per acre (11 to 17 kg/hectare) may be used to improve bloom and set for the following season. Application to fruit within 3 weeks of harvest may leave a visible residue.  
**ARTICHOKES** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. Repeat as needed.  
**ASPARAGUS** — 5 to 10 lb. per acre (6 to 11 kg/hectare) after start of new fern growth. Repeat at intervals of 2 to 3 weeks as necessary.  
**AVOCADOS** — 5 to 30 lb. per acre (6 to 34 kg/hectare) per application. Repeat as needed.  
**BEANS, SOYBEANS, PEAS, LENTILS** — 2 to 10 lb. per acre (2 to 11 kg/hectare) per application. First application at bud to earlybloom stage, repeat in 2 to 3 weeks.  
**CANEberries, BLUEberries** — 3 to 20 lb. per acre (3 to 22 kg/hectare) over new growth in spring. Application after fruit starts to color may leave a visible residue.  
**CARROTS, BEETS, SWEET POTATOES AND OTHER VEGETABLE ROOT CROPS** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. Repeat as needed.  
**CITRUS (ALL VARIETIES)** — 10 to 25 lb. per acre (11 to 28 kg/hectare) per application. In horticultural oil sprays, apply 1 to 3 lb. (0.5 to 1.5 kg) per 100 gal. (379 liters) of finished spray. Repeat as needed.  
**CORN (SWEET AND FIELD)** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. Repeat as needed.  
**COTTON** — 2 to 15 lb. per acre (2 to 17 kg/hectare) per application. Repeat as needed.  
**CRANberries** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. Repeat as needed.  
**FIGS** — 10 to 25 lb. per acre (11 to 28 kg/hectare) per application. Repeat as needed.  
**GRAPES** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. First application when new shoots are in the 4- to 6-leaf stage. Repeat as needed.  
**HOPS** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application in cover sprays.  
**KIWIS** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. Repeat as needed.  
**LETTUCE, CELERY, COLE CROPS AND LEAFY VEGETABLES** — 2 to 10 lb. per acre (2 to 11 kg/hectare) per application. Make several applications at intervals of 2 to 3 weeks starting at thinning period.  
**MELONS, CUCUMBERS AND OTHER CUCURBITS** — 2 to 10 lb. per acre (2 to 11 kg/hectare) per application. Make two or more applications at intervals of 2 to 3 weeks starting just prior to bloom.  
**MINT** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. First application at 3 inches (7 cm) of new growth, repeat 2 to 3 weeks later or as needed.  
**NUT CROPS (such as WALNUTS, PECANS, PISTACHIOS, FILBERTS, MACADAMIA; also see ALMONDS)** — 10 to 30 lb. per acre (11 to 34 kg/hectare) per application, pre-bloom and in cover sprays. Repeat as needed.  
**OLIVES** — 10 to 20 lb. per acre (11 to 22 kg/hectare) per application. Apply 15 to 20 days after thinning, repeat 3 to 4 weeks later. If crop is not thinned, apply 1 to 2 weeks after full bloom, repeat 3 to 4 weeks later.  
**ONIONS (DRY AND GREEN), GARLIC** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. Repeat as needed.  
**ORNAMENTALS, CONIFERS** — 3 to 15 lb. per acre (3 to 17 kg/hectare) per application. Repeat as needed. May leave visible residue on foliage and may cause spotting if applied to ornamental buds or flowers.

**PEANUTS** — 5 to 30 lb. per acre (6 to 34 kg/hectare) per application. First application at early-bloom stage, repeat at intervals of 2 to 3 weeks as needed.

**POTATOES** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. First applications when plants are 4 to 12 inches (10 to 30 cm) high. Second application 3 weeks later. Repeat as needed.

**SAFFLOWER, SUNFLOWER, CANOLA AND OTHER OILSEED CROPS** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. Repeat as needed.

**STRAWberries** — 5 to 10 lb. per acre (6 to 11 kg/hectare) per application. Application after fruit starts to color may leave a visible residue.  
**SUGAR BEETS** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. First application when plants have four to six leaves. Second application 3 to 4 weeks later. Repeat as needed.

**TOBACCO** — 5 to 20 lb. per acre (6 to 22 kg/hectare) per application. First application 1 to 3 weeks after transplant, repeat in 3 to 4 weeks.

**TOMATOES, PEPPERS** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. One to three applications are advised at 3 to 4 week intervals, starting at period prior to bloom. Repeat as needed.

**TROPICAL FRUIT (SUCH AS PINEAPPLE, BANANA, COCONUT, PAPAYA, DURIAN, MANGO, MANGOSTEEN, RAMBUTAN, LITCHI, LONGAN, GUAVA, SUGAR APPLE, STAR-FRUIT)** — 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. Repeat as needed.

**TURF** 5 to 15 lb. per acre (6 to 17 kg/hectare) per application. Repeat as needed.

**VEGETABLE AND FLOWER SEED CROPS** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. First application at bud to early-bloom stage. Repeat applications at intervals of 2 to 3 weeks as needed.

**WHEAT, BARLEY, RICE AND OTHER SMALL GRAINS** — 3 to 10 lb. per acre (3 to 11 kg/hectare) per application. Repeat as needed.

### DIRECTIONS FOR USE

#### ALWAYS FOLLOW THESE LABEL INSTRUCTIONS.

Slowly wash through the top filter into the tank three-quarters filled with water, whilst agitating. Top up with water and continue to agitate until spraying is completed.

**Tank Mixing:** Read ALL labels carefully and adhere strictly to the instructions for use and advice regarding whether or not product(s) should be tankmixed. Many variables, outside the control of YARA, can influence the performance of tankmixed products and therefore tankmixing is entirely at the risk of the end-user. It is strongly recommended that a limited crop area only is treated initially when using unfamiliar tankmixes. Before tankmixing products you, or your advisor, must visit [www.tankmix.com/leffingwell](http://www.tankmix.com/leffingwell) for important information. Alternatively, contact YARA for specific advice.

**Precautions:** Not for application to crops under glass or polythene. Avoid application under extremes of climate, e.g. rapid drying conditions, extremely slow drying conditions, frost, rain, or when frost or rain are anticipated. Wear suitable gloves and faceshield when handling this product. Clean all equipment before and after use.

### STORAGE

Keep in a cool, dry chemical store, out of reach of children and animals. Protect from frost and other climatic extremes.

### CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY

The directions on this label are believed to be reliable and should be followed carefully. Insufficient remedy of nutritional problems on the crop for which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of YARA or the seller. In addition, failure to follow label directions may cause injury to other crops, animals, man or the environment. YARA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in these directions for use subject to the factors noted above which are beyond the control of YARA.

YARA makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose and no such warranty shall be implied by law.

The exclusive remedy against YARA for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against YARA exceed the price of the product which causes the alleged loss, damage, injury, or other claim.

YARA shall not be liable and any and all claims against YARA are waived, for special, indirect, incidental, or consequential damages or expenses, of any nature, including, but not limited to, loss of profits or income, whether or not based on YARA's negligence, breach of warranty, strict liability in tort or any other cause of action.

YARA and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

**WARNING:** This product may contain a chemical (or chemicals) known to the State of California to cause cancer and birth defects or other reproductive harm.

27.10.15 - replaces all previous labels.