



**FOLIAR NUTRITION, BIOSIMULANTS,  
SPECIALTY CHEMICALS, SURFACTANTS,  
ADYUVANTS, WETTING AGENTS, AND  
SOIL AMENDMENT TECHNOLOGY**



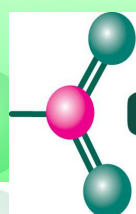
## ABOUT US

CHEMO INTERNATIONAL was established in Toronto, Canada in 1960, Chemo International has grown to its current headquarters in Miami, Florida, with additional subsidiaries in Guatemala, Colombia and Costa Rica, and with services and sales provided in over 20 countries. CHEMO INTERNATIONAL has been providing sourcing solutions and technical support to customers across diverse industries such as coatings manufacturing, agricultural specialty products, personal care products manufacturing, and other household and specialty industrial products. With a diverse portfolio of products and suppliers, we are now able to consolidate, in one container, many globally-sourced products from our foreign representations for several territories in the Americas. We take pride in being the oldest, and now the most comprehensive chemical export company of our kind. Chemo's success can be traced directly to the quality of our management and the expertise and dedication of our staff over the past half century.

CHEMO AGRICULTURE is the agricultural oriented division of CHEMO INTERNATIONAL, born of the demands encountered for specialty agricultural products with various customers in Central and South America as well as the Caribbean. CHEMO AGRICULTURE is now a premier distributor and formulator of high technology specialty chemicals for agriculture. Specilizing in providing a wide range of product solutions for all major crops in the Americas, CHEMO AGRICULTURE has been working with our agricultural customers to increase production yields, reducing production costs, and providing environmentally sound farming solutions.

At CHEMO AGRICULTURE we have worked to develop specialty products customized for the major crops in the Central America, Caribbean and South American region, specializing in nutrition, protection and soil improvement programs across all crop groups.

Whatever your needs, problems or improvements, CHEMO AGRICULTURE is dedicated to providing professional agricultural consultancy services through our technical support staff, with years of experience in diverse crops to improve our customers productivity and profitability.



# Chemo International

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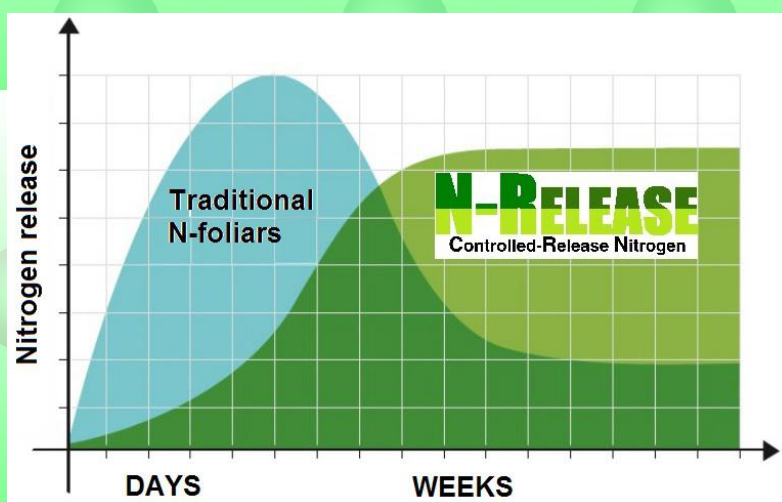




# N-RELEASE<sup>®</sup>

## Controlled-Release Nitrogen

N-RELEASE is a controlled-release foliar fertilizer that provides weeks of steady nutrition. Based on Controlled-Release Nitrogen technology, N-RELEASE is both safe and economical to use, providing a balanced and reliable source of nitrogen for many weeks. N-RELEASE is an excellent nitrogen supplement to any fertility program, providing an efficient nitrogen supplement when it is needed the most for a better crop yield and quality, without the growth spike of conventional fertilizers.



A variety of N-RELEASE formulations are available to meet specific crop needs and varying climate conditions.

### N-RELEASE 25-0-0 +0.5%B:

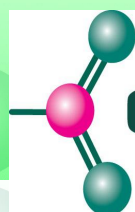
Controlled released nitrogen for up to seven weeks, plus Boron.

25% Nitrogen: 30% Controlled-Released Nitrogen  
0.5% Boron

### N-RELEASE MAX:

Controlled release nitrogen up to seven weeks, plus micro-elements (boron, copper, iron, manganese, and zinc).

25% Nitrogen: 30% Controlled-Released Nitrogen  
0.5% Boron (B)  
0.05% Copper (Cu)



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0.1% Iron (Fe)  
0.05% Manganese (Mn)  
0.05% Zinc (Zn)

**N-RELEASE LONG:**

Controlled released nitrogen for up to 14 weeks.  
28% Nitrogen: 70% Controlled-Released Nitrogen



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# P-ORTHO

## ORTHO-PHOSPHATE

P-ORTHO is a high concentration orthophosphate fertilizer that promotes strong root growth. Orthophosphates provide a superior readily available P & Q source, immediately available for plant uptake. Water based formulations with low salt indexes make P-ORTHO a superior P & K source for any crop requirement.

**P-ORTHO 0-54-0:** Phosphoric acid for soil applications to provide readily available phosphate, lower soil pH and help manage bicarbonates.

**P-ORTHO 3-18-18 DKP:** Extremely low salt index mixture of UAN and di-potassium phosphat (DKP) in a 100% plant available form for rapid and efficient foliar absorption and superior tank mix compatibility.

**P-ORTHO 0-20-20 DKP:** Dipotassium phosphate, a low salt index, high foliar available phosphorous and potassium source.

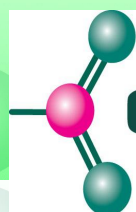
**P-ORTHO 14-7-7 DKP + CRN:** Dipotassium phosphate and 50% controlled-release nitrogen providing highly available foliar nutrients with a low salt index.

**P-ORTHO 14-7-7 DKP:** Dipotassium phosphate and ureic nitrogen provides highly available nutrients with a low salt index.

**P-ORTHO STARTER 5-30-7:** High phosphorous starter fertilizer with 0.02%B, 0.05% Mg, 0.05% Fe, 0.02% Mn, 0.03% Zn.



## NUTRITION



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ACE are acetate technology line products. Acetate-based nutrients generally have superior foliar availability over traditional nutrients. Lower use rates and more efficient nutrient utilization are typical of acetate based nutrients. This allows crop managers to reduce overall salt loads while safely achieving excellent tissue levels of nutrients.

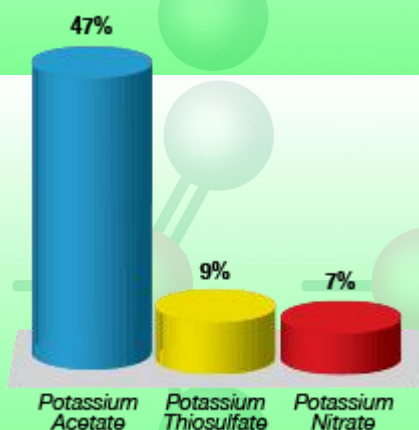
**ACE Zn 7%:** Zinc acetate

**ACE Ca 5%:** Calcium Acetate

**ACE Mg 5%:** Magnesium acetate

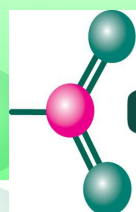
**ACE Mn 7%:** Manganese acetate

**ACE 0-0-29:** Pure potassium acetate with the highest degree of foliar availability out of any other potash source.



**ACE paK 2-0-26:** Fast release urea with potassium acetate provides superior safety and absorption of potassium than potassium nitrate.

**ACE paK 5-0-20:** 60% control-released nitrogen with potassium acetate provides superior safety and absorption of potassium than other potassium sources, such as potassium nitrate. A superior replacement for potassium nitrate.



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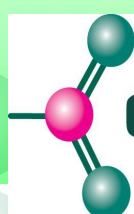


**ACE paK 12-0-15:** Foliar fertilizer with 37% control-released nitrogen and potassium acetate provides a low salt index fertilizer with superior availability.

**ACE paK 14-2-14:** Balanced foliar fertilizer with 50% control-released nitrogen, ortho-phosphate and potassium acetate with a low salt index and superior foliar absorption.

**ACE paK Zn:** Specialty formulation containing potassium acetate and zinc acetate for safe foliar applications.

	Rate	% K	Absorption Rate %	K <sub>2</sub> O/UOM	Foliar absorption
Potassium Acetate	2 lt	29%	47.30%	0.694 kg	0.347 kg
Potassium Thiosulfate	2 lt	25%	9.50%	0.685 kg	0.065 kg
Potassium Chloride	4.5 kg	60%	9.40%	2.70 kg	0.254 kg
Potassium Sulfate	4.5 kg	50%	8.80%	2.25 kg	0.198 kg
Potassium Nitrate	4.5 kg	44%	7.40%	2.00 kg	0.149 kg



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# DELIVER

## Micronutrients

DELIVER products offer enhanced availability of microelement nutrients for foliar and soil applications. There is a specialty formulation for all specific microelement requirement, with a diversity of derivative formulations.

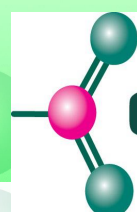
DELIVER Ca 10%: glucoheptonate-chelated calcium designed for foliar or soil applications.

DELIVER Cal-Bor: 10% calcium glucoheptonate with 0.5% Boron for enhanced cell wall structure.

DELIVER VEG: 2% Mg      0.05% B      1.8% Fe      1% Mn  
0.002% Mo      1% SiO  
1% Zn chelated with lignin sulfonate + fulvic acid

DELIVER CORN:

DELIVER POTATO:



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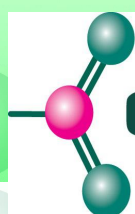




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PROTECTION

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# F-COAT



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# HUMMATIC

## HUMMIC LEONARDITE EXTRACT

HUMMATIC technology products contain high content of humic acids from 100% leonardite natural ore source. These products improve fertility efficiency in soil by incorporating organic matter as humic and fulvic acids, improving soil conductivity making nutrients more available to roots. HUMMATIC also improves soil deficiencies caused by low organic content, pH imbalances and sandy soils. HUMMATIC stimulates accelerated root development, improving soil structure, increasing water retention capacity and reducing negative effects of salinity.

**HUMMATIC 20%:** A blend of humic and fulvic acids, with 20% concentration by A&L and BaCl method of analysis.

**HUMMATIC PW 80% :** A water soluble powdered fertilizer based on humic and fulvic acids derived from natural leonardite, with 80% total humic acid content.

**HUMMATIC Fulvic 30%:** Concentrated low molecular weight fulvic acid for enhanced nutrient uptake and cell division.