

PlantFoodSystems.com

30 Years of SUPERIOR CHEMISTRY

K-PHITE[®] 7LP

- The ONLY EPA registered systemic fungicide and bactericide
- Broad-spectrum disease control
- Supports plant health, vigor and production
- Proven effective on a wide variety of crops





Patents# 7887616, 8088191, 8221516

- Patented manufacturing process
- Highest grade materials available
- Unique, superior molecules



Types of Phosphites

Phosphate/Phosphite Combo

Acidic Phosphites (Urea & other)

Sodium/Potassium Phosphites

Ammonium/Potassium Phosphites

Potassium Phosphites

Batch Tank process

Patented Continuous Reaction Potassium Poly Phosphite



THE ONLY ONE



Raw Material Sourcing

- 1. "Food Grade" Potassium Hydroxide Membrane Process
- 2. <u>NO</u> Mercury Cell Potassium Hydroxide
- 3. Virgin PCl₃ Derived H₂PO₃ (Phosphorous Acid)
- 4. <u>NO</u> By-Product, Downstream or Spent PCl₃ H₂PO₃ used
- 5. H₂PO₃ = 99%+ Purity Technical Grade (Not 98% Industrial Grade)
- 6. Only "Food Grade" H₂PO₄ (Phosphoric Acid) in Sizer



Typical Heavy Metal Analysis (Parts Per Million (ppm))

Arsenic (As)² Barium (Ba)² Cadmium (Cd) Chromium (Cr)² Cobalt (Co)¹ Copper (Cu)¹ Lead (Pb)² Mercury (Hg) Molybdenum (Mo)¹ Nickel (Ni)¹ Selenium (Se)² Zinc (Zn)¹

less than 1.00 less than 0.50 less than 0.10 typically 3.0-4.0 less than 0.10 less than 0.10 less than 1.00 less than 1.00 less than 1.00 less than 0.50 less than 0.30 typically 2.0-3.0

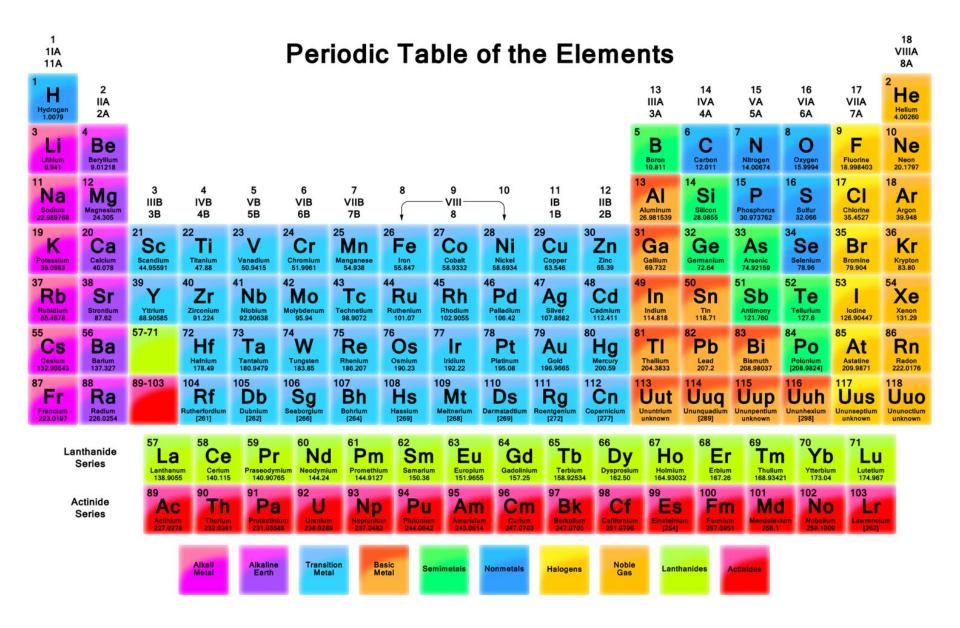
¹ These elements are widely recognized as being essential to plant growth

 2 These elements are recognized as being improtant in trace amounts for some plants. Note: Typically there is less than on Part per Million (ppm) of non-plant food heavy metals.



Kphite 7LP Safety







Product Information:

A systemic fungicide bactericide for the control of downy mildew, phytophthora, pythium, and various other diseases on agricultural and greenhouse crops, and turf.

Active Ingredients

ACTIVE INGREDIENTS:

Mono- and dipotassium salts of Phosphorous Acid*	
	6
OTHER INGREDIENTS:449	6
TOTAL:	6

*Contains 7.03 lbs./gallon of active ingredients, mono- and dipotassium salts of Phosphorous Acid. Equivalent to 4.41 lbs. Phosphorous Acid/gallon.

* K-PHITE® 7LP's unique manufacturing process and molecule are protected by the following patents: Reactor: 4724132 Molecule: 7887616, 8221516, 8088191 MANUFACTURED BY:

Plant Food Systems, Inc. 2827 Union St. P.O. Box 775 Zellwood, FL 32798 800.343.7775

EPA Reg. No. 73806-1 EPA Est. No. 73806-FL-001

017





ACTIVE INGREDIENTS:

Mono- and dibasic sodium, potassium,	
and ammonium phosphites*	 53.6%
OTHER INGREDIENTS:	46.4%
TOTAL:	 100.0%

* Contains 6.27 lb/gallon of the active ingredients mono- and dibasic sodium, potassium, and ammonium salts of phosphorus acid. Equivalent to 4.17 lb/gallon of phosphorus acid or 35.6 % by weight.

KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCIÓN Si usted no entierde la eliqueta, busque a alguien para que se la explique a usted en detaile.

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

33 FUNGICIDE

GROUP

For Medical Emergencies Only, Call (877) 325-1840

iu usted no entende ia etqueta, busque a alguen para que se la explique a usted en detalla. (If you do not understand the label, find someone to explain it to you in detalla) SEE INSIDE BOOKLET FOR FIRST AID AND PRECAUTIONARY STATEMENTS

EPA REG. NO. 55146-83

Manufactured for Nufarm Americas Inc. AGT Division 11901 S. Austin Avenue Alsip, IL 60803 (800) 345-3330







Mono and Di Potassium Poly Phosphite

Phosphorous Acids, Poly-, Potassium Salts CAS # 1842320-61-9

Patents# 7887616, 8088191, 8221516



PFS Reactor System Superior Chemistry & Manufacturing Process



- Patented manufacturing process
- Unique molecule
- Exceptional chemistry for maximum plant safety

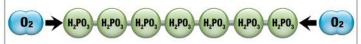


K-PHITE 7LP - THE ONLY ONE



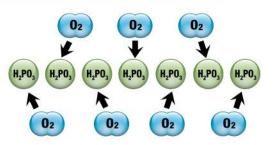
7LP means "Linear Polymer" Chain

K<u>PHITE°7LP</u>



K-PHITE 7LP molecules are "linked," protecting them from oxidation.

COMPETITORS

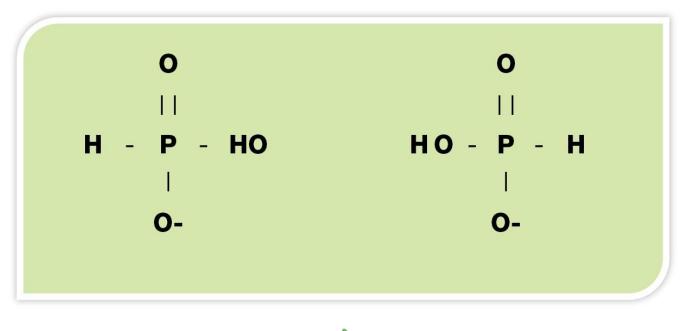


Other phosphites are unlinked and singular, putting them at risk of oxidation when in contact with air, water or soil.



Phosphite H₂PO₃

Ortho Phosphite

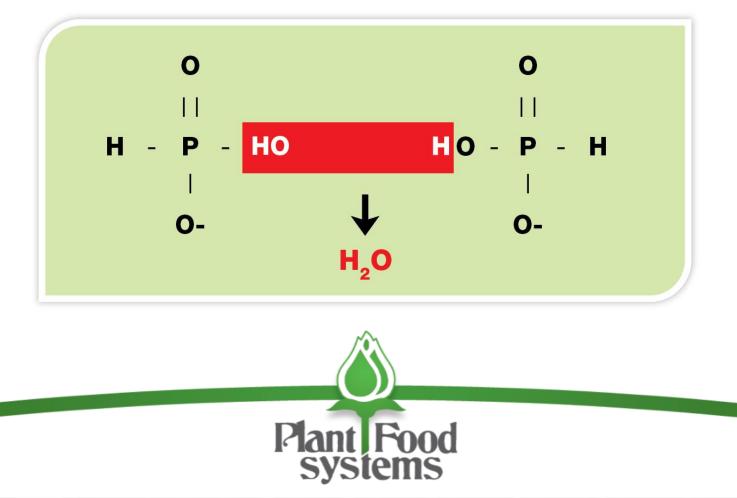




Poly Phosphite H₂PO₃

Poly Phosphite - Patents# 7887616, 8088191, 8221516

Phosphorous Acids, Poly-, Potassium Salts CAS # 1842320-61-9

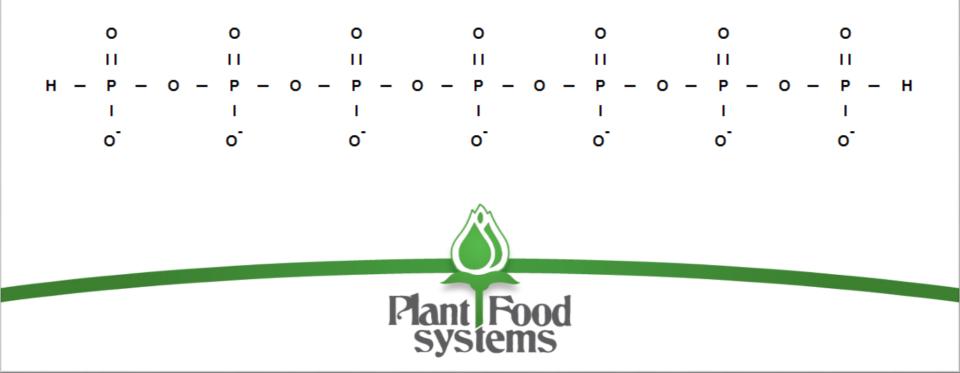


Plant Food Systems Reactor





7 Molecules of H₂PO₃ Linked Together





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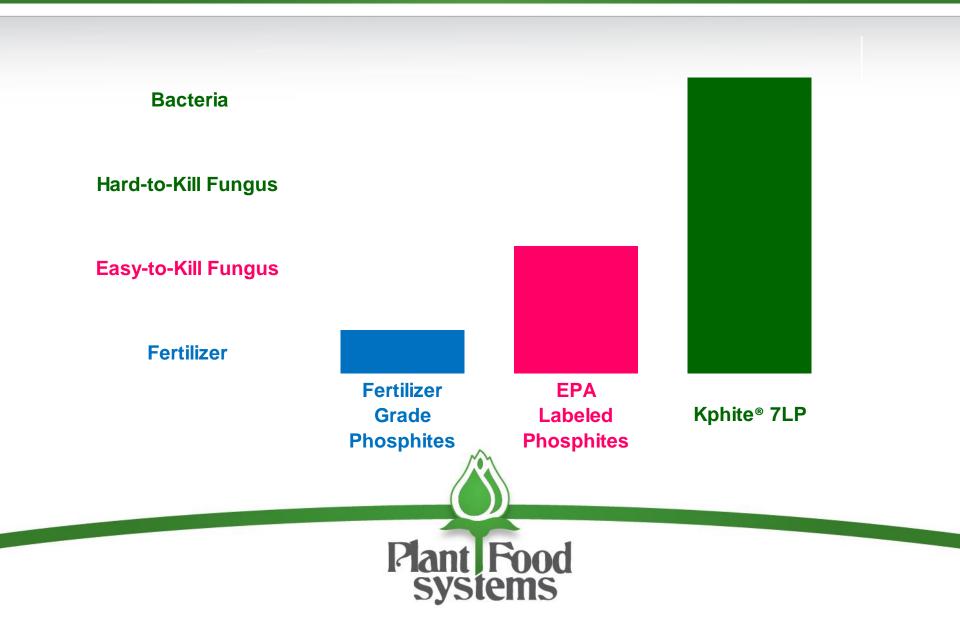
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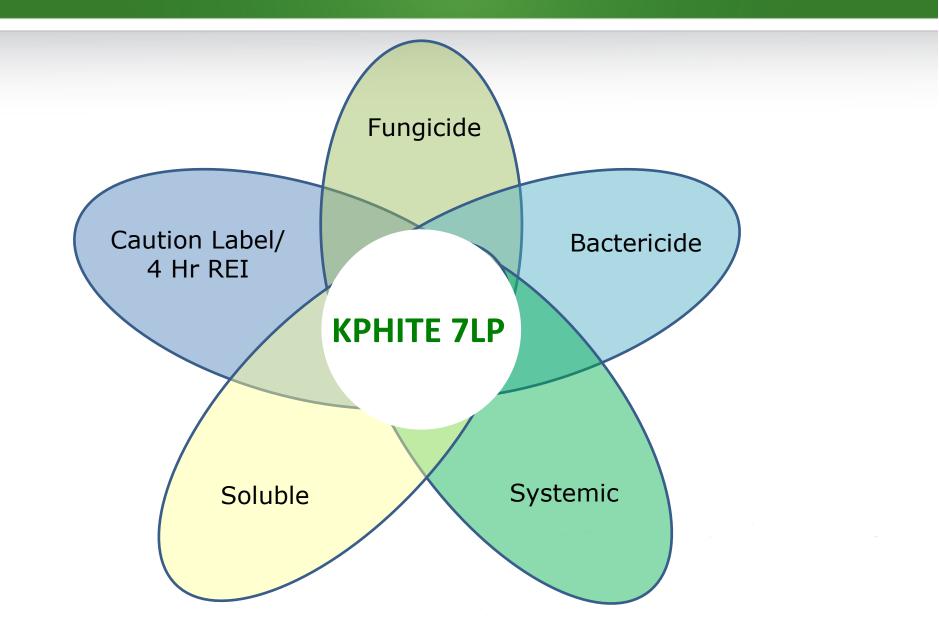
KPHITE 7LP has Systemic Power for when Environmental conditions are against you.



The Power of Kphite 7LP



KPHITE 7LP® vs The Competition



Broad Spectrum Diseases Control

- Alternaria
- Anthracnose
- Bacterial Blight
- Cercospora
- Fusarium
- Helminthosporium
- Phytophthora
- Pink and Gray Snow Mold
- Pseudamonas spp.
- Pythium
- Rhizoctonia
- Sclerotinia
- Xanthomonas spp.



Pecans & Tree Nuts



Leaf Scab & Nut Scab

Applications at 2-3 quarts per acre

Tank mix combinations for late season applications have also been effective

> Post hurricane fungicide applications have proven to be extremely effective in recovery on similar tree cops

Plant Food systems



Pecan Pre-Pollination Foliar Sprays

	PRODUCT	RATE PER ACRE	BENEFITS
Spray 1	KPHITE ® 7LP	2 quarts per acre	Outstanding leaf scab control used alone
Spray 2	KPHITE® 7LP	2 quarts per acre	Systemic movement to root system
3			Improve root health - phytophthora and root disease complex
4			Low risk of Scab resistance
5			3.4 lbs. actual Potassium

Pecan Post-Pollination Sprays

6			
Spray 7	KPHITE [®] 7LP	2 quarts per acre	Tank mix best for Nut Scab control; tank mix Elast or tin
8			
Spray 9	KPHITE® 7LP	2 quarts per acre	Tank mix best for Nut Scab control; tank mix Elast or tin
10			
Spray 11	KPHITE [®] 7LP	2 quarts per acre	Tank mix best for Nut Scab control; tank mix Elast or tin
12			
13			
14			
15			
Notes:	Do NOT tank r For post-pollin Do NOT use a For Pecan vari	nix foliar Magnesium nation sprays, tank mi surfactant with Elast ties less sensitive to S	ix KPHITE® 7LP with Elast or tin

Always refer to the product label before use



800-343-7775 • P.O. BOX 775 • ZELLWOOD, FL 32798 PLANTFOODSYSTEMS.COM

THE ONLY ONE





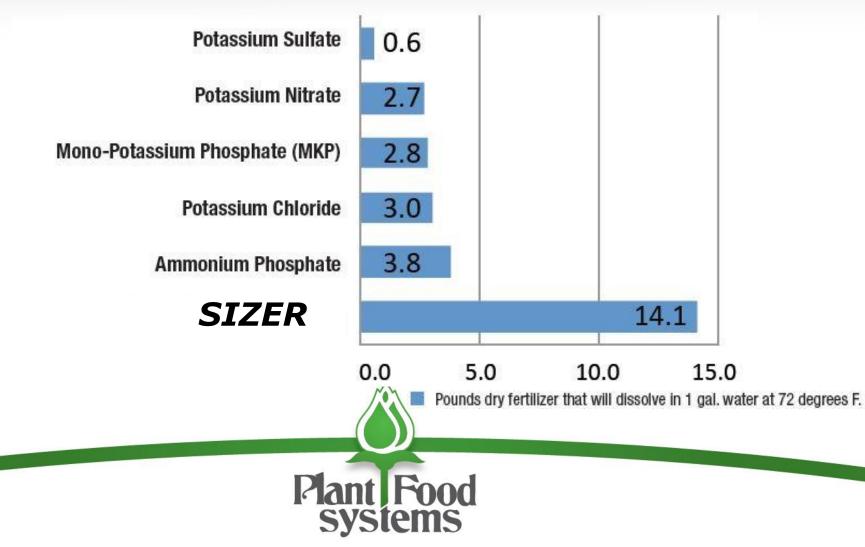


- 1. Superior Solubility & Foliar Uptake
- 2. "Food Grade" Raw Materials
- 3. Unique Process & Materials covered by 15 Patents
- 4. Cost Effective



Sizer Solubility

(Solubility Determines Availability)



Raw Material Sourcing

- 1. "Food Grade" Potassium Hydroxide Membrane Process
- 2. <u>NO</u> Mercury Cell Potassium Hydroxide
- 3. Virgin PCl₃ Derived H₂PO₃ (Phosphorous Acid)
- 4. <u>NO</u> By-Product, Downstream or Spent PCl₃ H₂PO₃ used
- 5. H₂PO₃ = 99%+ Purity Technical Grade (Not 98% Industrial Grade)
- 6. Only "Food Grade" H₂PO₄ (Phosphoric Acid) in Sizer



Typical Heavy Metal Analysis (Parts Per Million (ppm))

Arsenic (As)² Barium (Ba)² Cadmium (Cd) Chromium (Cr)² Cobalt (Co)¹ Copper (Cu)¹ Lead (Pb)² Mercury (Hg) Molybdenum (Mo)¹ Nickel (Ni)¹ Selenium (Se)² Zinc (Zn)¹

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¹ These elements are widely recognized as being essential to plant growth

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Plant Food OTHER PRODUCTS



KPHITE AGPHITE RENEW SAVER K-CELLERATE EAGLE 6 **KEYPON 12**

Questions & Thank You!





PlantFoodSystems.com

Redox

130 S. 100 W. RURLEY IDAHO USA 83318 208.678.2610 WWW.REDOXCHEM.COM

MANUFACTURED BY:

÷Ö: COSMOCEL* CRHOCEL S.A. VIA A NATAMOROS NO. 1501 SAN NICOLÁS DE LOS GARZA, N.L. HEDICO C.F. 64494 TEL. +52 (81) 8125-3180 WWW.COISHOCEL.COM SERVICIOACUBATES GOSHOCEL.C LCON IS**B**COSHOCELCOH

0-31-50 **GUARANTEED ANALYSIS**

Soluble Potash (K.0)..... 50%

diKaP

DERIVED FROM DIPOTASSIUM PHOSPHATE F001388

KEEP OUT OF REACH OF CHILDREN

GENERAL INFORMATION:

diKaP is a dry soluble formulation, high in phosphorus and potassium, designed for soil and foliar applications.

APPLICATION RATES:

APPLICATION	RATE
Soil	2-6 lbs./acre
Foliar	0.5 - 4 lbs./acre

APPLICATION GUIDELINES:

·Proper application rates and frequency should be determined by specific conditions and plant requirements.

·Assure that material is fully hydrated prior to application.

·Always jar test before adding to a spray tank or injection.

 Spray applications should be made with sufficient water, 50 mesh screens and agitation throughout the application.

·When tank mixing with other chemicals, it is the responsibility of the end-user to assure compatibility and safety.

· Poly-in-line filters should be replaced with stainless steel, if possible.

Always consult your aeronomist.

Reduce products should be stored in a coal dry place, out of direct satisfy. To maintain product quirky storage temperatures about the between 30° F and 30° F. Always need liquid products on lower shall be stored as the plantain dry products on the plantain dry and plantain products. Simily scheme go feature storage plantates will ensure a direct storage plantates and an effective schemester as the blant of dry product. Since a plantates are dry the schemester and the storage, disposal or shelf-life of your Redox product, contact your kotal Redox representative or cell 1-208-678-2610.

LIMITED WARRANTY AND DISCLAIMER Limited Warners: Reduc Chewicals, LLC ("Reduct") warrants that (a) the product conforms to the chemical description on the labet and (b) the product is reasonably fits for the purposes are forth in the directions for use, subject to the inherent rails referred to themis, where it is used is accordance with auch directions. Tests have not been conducted on all varieties offood organ anglemes, it is all states, or contra all cordious.

Linitation of Rereation: Bayer's exclusive remedy and Redock oblightion under this Linitial Warranty for any and all claims, iosses, damages or injuries resulting from the use or handling of his product, whether based in contrast, negligence, strict linibility or otherwise, shall be limited, at Nedick option, to a replacement or infund for the purchase price of the product und

In no case shall Redox be liable for any special, incidental, or consequential damages based upon breach of warrancy, breach of contract, negligence, strict lability, or any other legit theory. Such damages include, but are not limited to, loss of profits, loss of savings or reverse, cost of any explorate, fucilities or services, downtime, the dations of third partice including contoners, and

And a property is property in the limited warranty is understood to be the complete and exclusive agreement between this parties, the complete and exclusive agreement between the privile warrant privation of the adjacent party is architectured to make any warranty in addition to droke made in this agreement. The limited warranty may be varied of fields.

adaimer of Warranty, THE ABOVE LIMITED WARRANT IN LIEU OF ALL OTHER WARRANTIES EXPRESSED O D, INCLUDING WARRANTIES OF MERCHAN BEYOND THE WARRANTY SPECIFIED ABOVE NO EVENT SHALL THIS WARRANTY BE DEPICE R INCIDENTAL OR CONSEQUENTIAL DAMAGE OF ANY KIND.

Venue and Choice of Law: Any claims arising from this limited warranty shall be resolved in the State of idaho and Idaho law will apply to any dispute.

The products manufactured by Redox Chemicals, LLC are ackl only thru licensed distributors. To insure proper mixing and application, consult with trained Redox Chemicals, LLC

regarding the conterns and levels of metals in this valiable on the internet at: sapfco.org/metals.htm



void breathing dust. Use only outdoors or in a well ventilated sa.F INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing. Call a POISON CENTER r doctorriphysician if you feel snivel. Store locked up, Store in a ad place. Keep container tightly closed. Dap stainer in accordance with local/regional/or

NET CONTENTS: 20 Lbs. (9.08 Kgs.) 06/16 N.P. 1404248 Res 1

RedoxAG

dıKaP

0-31-50 **GUARANTEED ANALYSIS**

Available Phosphate (P2O5) 31% Derived from Dipotassium Phosphate F001388

KEEP OUT OF REACH OF CHILDREN STOP, READ THE LABEL BEFORE USING THIS PRODUCT

WARRANTY: Since weather, crops, soil, and other conditions may vary, the seller makes no warranty of any kind, express or implied, concerning this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions.

COMPATIBILITY:

Always check for compatibility with other products prior to use.

diKaP is a dry soluble formulation, developed as an easy to use formulation that is compatible with most fertilizers.

APPLICATION RATES

Application	Rate	Comments
Foliar	1-8 lbs/acre	 Maintain a 1% solution by weight or less if material might come in contact with exposed full or vegetables Do not exceed 2 Iba/acre if applied in less than 25 gal/acre
Soil	1-8 lbs/acre Or 0.4-3 az/1000 ft²	 Inject through controlled irrigation system or spray on soil surface and water into root zone

APPLICATION GUIDELINES

Proper application rates and frequency should be determined by specific conditions and plant requirements

· Always jar test before adding to a spray tank or injection tank

Spray applications should be made with sufficient water, 50 mesh screens and agitation throughout the application.

. When diKaP is combined with Redox micronutrients, do not exceed 0.5% concentration by weight of the micronutrient products if the

spray material might come in contact with exposed fruit or vegetables

. When tank mixing with other chemicals, it is the responsibility of the end-user to assure compatibility and safety

· Poly-in-line filters should be replaced with stainless steel, if possible

Always consult your agronomist AVOID CONTACT WITH SKIN, EYES OR CLOTHING. In case of contact immediately flush skin, eyes or clothing with plenty of water for several minutes.

Distributed and Guaranteed by: Redox Chemicals, LLC



QUIMICA CREATIVA A SU SERVICIO

COSMOCEL, S.A. Vis a Matamoros No. 1501, San Nicolás de los Garza, N.L., Mikiloo C.P. 65484 Tal. +52 (81) 8525-3100 www.cosmocel.com servicioadilentes@cosmocel.co servicioacilentes@cosmocel.com

Manufactured by

COSMOCEL

Caution: The products manufactured by Redox Chemicals, LLC are sold only thru licensed distributors. To insure proper mixing and application, consult with trained Redox Chemicals, LLC distributors. Visit www.redoxchem.com for a list of trained and authorized Redox Chemicals, LLC distributors.

information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm N.P. 1404248 R-15







INNOVATIVE PLANT GROWTH TECHNOLOGY 130 S. 100 W. Burley, Idaho, USA 83318 208-678-2610

www.redoxchem.com 07/14



130 S. 100 W. BURLEY, IDAHO, USA 83318 208.678.2610 WWW.REDOXCHEM.COM

MANUFACTURED BY:





COSMOCEL, S.A. VÍA A MATAMOROS NO. 1501, SAN NICOLÁS DE LOS GARZA, N.L., MÉXICO C.P. 66484 TEL. +52 (81) 8625-3100 WWW.COSMOCELCOM SERVICIOACLIENTES@COSMOCEL.COM

diKaP

0-31-50 GUARANTEED ANALYSIS

Available Phosphate $(P_2 0_5)$	31%
Soluble Potash (K ₂ 0)	50%

DERIVED FROM DIPOTASSIUM PHOSPHATE F001388

KEEP OUT OF REACH OF CHILDREN

Phostrol

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units	Detection Limit-	Analysis Date/Analyst
EPA 6010					
	Arsenic (As), Total	< 1.0	mg/Kg	0.01	10-11-18 DS
	Barium (Ba), Total	0.1	mg/Kg	0.01	10-11-18 DS
	Cadmium (Cd), Total	< 0.1	mg/Kg	0.01	10-11-18 DS
	Chromium (Cr), Total	4.5	mg/Kg	0.01	10-11-18 DS
	Cobalt (Co), Total	0.1	mg/Kg	0.01	10-11-18 DS
	Copper (Cu), Total	0.6	mg/Kg	0.01	10-11-18 DS
	Lead (Pb), Total	1.4	mg/Kg	0.01	10-11-18 DS
EPA 7471					
	Mercury (Hg), Total	< 0.01	mg/Kg	0.01	10-11-18 *
EPA 6010					
	Molybdenum (Mo), Total	5.0	mg/Kg	0.01	10-11-18 DS
	Nickel (Ni), Total	0.7	mg/Kg	0.01	10-11-18 DS
	Zinc (Zn), Total	12	mg/Kg	0.01	10-11-18 DS
	Selenium (Se), Total	0.4	mg/Kg	0.01	10-11-18 DS
	Silver (Ag), Total	< 0.23	mg/Kg	0.23	10-11-18 *
EPA 3050B					
	Digestion/Preparation f	or Analysis	1.(0047-100	10-10-18 SR



DiKaP

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units	Detection Limit-	Analysis Date/Analyst
EPA 6010					
	Arsenic (As), Total	9.2	mg/Kg	0.01	07-26-18 DS
	Barium (Ba), Total	< 0.1	mg/Kg	0.01	07-26-18 DS
	Cadmium (Cd), Total	14	mg/Kg	0.01	07-26-18 DS
	Chromium (Cr), Total	104	mg/Kg	0.01	07-26-18 DS
	Cobalt (Co), Total	0.7	mg/Kg	0.01	07-26-18 DS
	Copper (Cu), Total	10	mg/Kg	0.01	07-26-18 DS
	Lead (Pb), Total	< 1.0	mg/Kg	0.01	07-26-18 DS
EPA 7471					
	Mercury (Hg), Total	< 0.032	mg/Kg	0.032	07-27-18 *
EPA 6010					
	Molybdenum (Mo), Total	1.8	mg/Kg	0.01	07-26-18 DS
	Nickel (Ni), Total	9.8	mg/Kg	0.01	07-26-18 DS
	Zinc (Zn), Total	1130	mg/Kg	0.01	07-26-18 DS
	Selenium (Se), Total	< 0.3	mg/Kg	0.01	07-26-18 DS
	Silver (Ag), Total	< 0.24	mg/Kg	0.24	08-01-18 *
EPA 3050B					
	Digestion/Preparation fo	or Analysis	1.0	338-100	07-25-18 SR



Reliant

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units	Detection Limit-	Analysis Date/Analyst
EPA 6010					
	Arsenic (As), Total	< 1.0	mg/Kg	0.01	10-11-18 DS
	Barium (Ba), Total	0.2	mg/Kg	0.01	10-11-18 DS
	Cadmium (Cd), Total	< 0.1	mg/Kg	0.01	10-11-18 DS
	Chromium (Cr), Total	4.1	mg/Kg	0.01	10-11-18 DS
	Cobalt (Co), Total	0.2	mg/Kg	0.01	10-11-18 DS
	Copper (Cu), Total	0.7	mg/Kg	0.01	10-11-18 DS
	Lead (Pb), Total	1.3	mg/Kg	0.01	10-11-18 DS
EPA 7471					
	Mercury (Hg), Total	< 0.01	mg/Kg	0.01	10-11-18 *
EPA 6010					
	Molybdenum (Mo), Total	2.4	mg/Kg	0.01	10-11-18 DS
	Nickel (Ni), Total	0.8	mg/Kg	0.01	10-11-18 DS
	Zinc (Zn), Total	4.4	mg/Kg	0.01	10-11-18 DS
	Selenium (Se), Total	0.3	mg/Kg	0.01	10-11-18 DS
	Silver (Ag), Total	< 0.24	mg/Kg	0.24	10-11-18 *
EPA 3050B					
	Digestion/Preparation f	or Analysis	1.	0131-100	10-10-18 SR

