

Performance Nutrition Products

KaPre® Liquid and water-soluble Soil Amendments, Chelated Micronutrients and Fertilizers

KaPre Activ8 • KaPre AG • KaPre AminoCal25 • KaPre Embella • KaPre ExAlt • KaPre Germin8 • KaPre PhoNix • KaPre RemED8

KaPre® Granular Soil Amendments and Fertilizers

KaPre 11-2-3 + 1% Ca • KaPre 9-2-3+1%Ca • KaPre VermaCal-G

Krystal Klear® Chelated Micronutrient Solutions

Krystal Klear Agra Mix • Krystal Klear Agra Mix 2 • Krystal Klear Agra Mix 3 • Krystal Klear Crop Mix • Krystal Klear Crop Mix 2 • Krystal Klear Turf Mix • Krystal Klear Arbor Mix • Krystal Klear ResQ • Krystal Klear B • Krystal Klear Cu • Krystal Klear Fe • Krystal Klear Mn • Krystal Klear Zn

LidoQuest® Patented Fertilizer Solutions

LidoQuest Mn • LidoQuest Zn • LidoQuest 15-8-4 • LidoQuest 18-3-6 • LidoQuest 6-6-12 • LidoQuest 30-0-0 • LidoQuest 30-0-0SR • LidoQuest 15-3-7

NutriSmart® Patented Eco-Fertilizer and E-Z to Apply Humate Granules

NutriSmart 0-5-0 • NutriSmart-B 0-0-0 *OMRI Listed*

Nutrol® EPA Registered Fungicide, Tank Buffer and PK Fertilizer

Nutrol 0-50-32

Pennamin® Amino Acid Complexed Micronutrients

Pennamin Ca • Pennamin Ca+Mg • Pennamin Cu • Pennamin Fe • Pennamin Fe+Mn • Pennamin High-K • Pennamin Mg • Pennamin Mn • Pennamin Perfect • Pennamin Zn • Pennamin Driver-LC • Pennamin Driver-P

Prudent® Patent Pending Phosphite Fertilizers

Prudent 42 CW • Prudent 44 • Prudent • PrudentPlus • Prudent Ready

Vibrant® Patented Premium Foliar Fertilizer Solutions

Vibrant Blue • Vibrant Gold • Vibrant Green • Vibrant Red

Humates and Worm Castings

FulvaGrow® Fulvic Acid • KaPre Spectra Concentrated Fulvic Acid • HumaGrow N.S.C. • VermaPlex® Worm Casting Extract • Black Castings®

Z.One® Natural Zeolite Soil Amendments and "Eco-Stations"

Z.One • Z.One VermActant

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PERFORMANCE
NUTRITION

Performance Nutrition is a division of LidoChem, Inc.

PRUDENT
EZ CW

15-42*-0

patent-pending PHOSPHITE FERTILIZER

formulated with UREA PHOSPHITE



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For Distribution in California Only!

Features & Benefits of Prudent 42cw



- Prudent 42cw patent-pending phosphite fertilizer has a 15-42*-0 NPK content with all of the P₂O₅ derived from PO₃. *
- Prudent 42cw is formulated with very little water allowing the PO₃ to remain stable in the jug.
- Prudent 42cw contains one of the highest percentages of PO₃ of any phosphite fertilizer.
- Prudent 42cw can be used at lower rates per acre than most phosphite fertilizers making it economical and effective.

- Prudent 42cw is compatible with most fertilizers and pesticides.
- Prudent 42cw increases the integrity of plant cell walls, which improves plant strength and resistance.
- Prudent 42cw stimulates key pathways in the plant, which produce compounds that are responsible for defending the plant against environmental stress.
- Prudent 42cw can help keep un-chelated metals stable in solution.
- Prudent 42cw will help keep the spray tanks and equipment free of scale buildup.
- Prudent 42cw contains a surfactant for improved spreading and nutrient uptake.

What you should know about phosphite!

Phosphite is a form of phosphorus, but it has one less oxygen atom than phosphate. Being "lighter" by one oxygen atom than phosphate makes a tremendous difference. Since the fully oxidized phosphate is the most stable P form in the environment, **phosphite undergoes a gradual transformation after addition to the soil.**

Microorganisms are able to assimilate phosphite and release phosphate, gaining energy and nutrients during biological conversion.

Due to its greater solubility it is more readily available to these microbes and plant roots than phosphate. So, **phosphite is less chemically stable, and therefore more agile than its staid cousin.** It also has certain benefits that phosphate never dreamed of.



Phosphite is highly water soluble, and when applied to plants **is quickly absorbed by leaves, roots, and branches.** Once in plants, it is extremely mobile and it is uniquely able to move in both xylem and phloem.

Years of use in agricultural and horticultural settings have shown that foliar applications of phosphite **improve seedling growth, bud formation, blossoming, fruit set, and plant vigor.**

On golf courses, **phosphite improves turf quality and promotes overall growth. Applications of phosphite to turf also significantly reduce summer stress.**



Application Rates and Timing

Turf & Ornamentals

Turfgrass

- Apply 0.5 to 2.0 oz. per 1,000 ft². Use a minimum of 1 gallon of water per 1,000 ft².
- Begin applications in the spring and continue on a 7 - 14 day schedule throughout the growing season.

Trees, Shrubs and Ornamentals

- Prudent 42cw can be applied as needed throughout the year.
- Applications should be made at rates of 1.0 – 1.5 gallons of Prudent 42cw per 100 gallons of spray solution.
- Apply 1 gallon of spray solution per diameter inch. Applications should be made every 7 – 21 days.

Agriculture

CROPS: Almonds • Walnuts and other Nut Crops • Plums, Nectarines and other Stone Fruit • Apples, Pears and other Pome Fruit • Kiwi, Citrus and Avocados • Olives • Grapes • Raspberries, Blackberries and other Caneberries • Hops, etc.

- Apply 1 to 4 pints per acre (1 to 5 liters/hectare) per application.
- Apply the first application with first irrigation in the spring with subsequent applications as needed to supplement nutritional requirements.
- Do not exceed 1 ounce of product per gallon of solution.

CROPS: Tomatoes and Peppers • Lettuce, Spinach & other Leafy Vegetables • Broccoli, Cauliflower & other Brassica Varieties • Melons, Cucumbers & other Cucurbits • Beans and Peas • Strawberries • Potatoes, Onions & other Vegetable Root, Bulb or Tuber Crops

- Apply 1 to 4 pints per acre (1 to 5 liters/hectare) per application.
- Apply the first application after transplanting or thinning.
- Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.
- Do not exceed 1 ounce of product per gallon of solution.