

PRUDENT 42CW

(15-0-0) CONCENTRATED PHOSPHITE FERTILIZER

About Prudent® 42CW

Prudent 42CW is a patented phosphite fertilizer, (15-0-0 NPK). When used as a foliar application, Prudent 42CW improves seedling growth and bud formation, encourages blossoming and fruit set, and enhances overall plant vigor.

Prudent® 42CW highly concentrated phosphite fertilizer is effective at very low use rates. It is an ideal partner product with Nutrol® EPA registered fungicide for control of soil borne and foliar diseases.

Prudent® 42CW (15-0-0 with 42% PO₃) fertilizer is formulated with patented urea phosphite. Urea phosphite is a “eutectic”, which allows a high concentration of phosphite in the Prudent family of specialty fertilizers.

How Prudent 42CW Works

- A phosphite fertilizer, Prudent 42CW has a 15-0-0 NPK content with 42% P₂O₅ derived from PO₃
- Economical and effective, it can be used at lower rates per acre than most phosphite fertilizers
- Stimulates key pathways in the plant to defend against environmental stress
- Increases the integrity of plant cell walls which improves plant strength and resistance
- Formulated with very little water, allows the PO₃ to remain stable in the jug
- Contains one of the highest percentages of PO₃ of any phosphite fertilizer
- Compatible with most fertilizers and pesticides
- Helps keep un-chelated metals stable in solution
- Reduces scale buildup in spray tanks and equipment
- Improves spreading and nutrient uptake with a surfactant formulated right into the product

GUARANTEED ANALYSIS

Total Nitrogen (N).....	15.0%
2.5% Ammoniacal Nitrogen	
12.5% Urea Nitrogen	

Derived from: aqua ammonia and urea phosphite.

Benefits of Prudent® 42CW

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. Phosphite is less chemically stable, and therefore more agile than its staid cousin. It also has certain benefits that phosphate doesn't have. 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.**

Application Instructions

(See product label for specific crop instructions)

Tree and Fruit Crops:

Apply 1 to 4 pints per acre per application.

Foliar Applications:

Prudent 42CW and Prudent 40 PLUS may be applied with all types of ground spraying equipment or by air.

DO NOT exceed a rate of 1 ounce of product per gallon of water when using less than 20 gallons of solution per acre.