

Nutrol & Prudent 44 - The Right Combination!

Prudent® 44 is recommended for use with Nutrol® EPA registered fungicide to expand Nutrol's efficacy against soil borne and foliar diseases such as *Phytophthora*, *Rhizoctonia*, *Fusarium*, *Downy Mildew*, *Powdery Mildew*, etc.

Nutrol E.P.A. registered fungicide - together with Prudent 44 fertilizer - can be used to control foliar and soil-borne diseases on:

Stone Fruit

Pome Fruits

Cucurbits

Tree & Vine Crops

Ornamentals

Commodity Crops

Root and Tuber Crops

Vegetables

Roses

Turf

Please see Nutrol label for full list of crops and diseases along with application instructions.

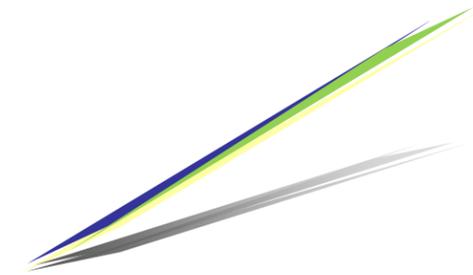
Nutrol & **PRUDENT**
44

Remember! Nutrol works three ways.

- Nutrol is a non-toxic and powerful EPA registered bio-pesticide for the control of powdery mildew.
- Nutrol is a highly-concentrated, yet very gentle, water soluble fertilizer (0-50-32).
- Nutrol is a tank buffer and water conditioner to prevent alkaline hydrolysis.

Nutrol & Prudent 44 is the Right Combination for performance and value!

PERFORMANCE
NUTRITION
Performance Nutrition is a division of LidoChem, Inc.



PRUDENT
44®

15-0-0

formulated with UREA PHOSPHITE

patent-pending PHOSPHITE FERTILIZER

expands efficacy of NUTROL BIO-PESTICIDE



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Do NOT distribute in California!



Every gallon of Prudent 44 contains 5.8 pounds of phosphorus acid (10.8 pounds of phosphite)!

Features & Benefits of Prudent 44



- Prudent 44 **patent-pending** phosphite fertilizer has a 15-0-0 NPK content with 42% P₂O₅ derived from PO₃.
- Prudent 44 is formulated with **very little water** allowing the PO₃ to remain **stable in the jug**.
- Prudent 44 contains **one of the highest percentages of PO₃** of any phosphite fertilizer.
- Prudent 44 **can be used at lower rates per acre** than most phosphite fertilizers making it **economical and effective**.

- Prudent 44 is **compatible with most fertilizers and pesticides**.
- Prudent 44 increases the integrity of plant cell walls, which **improves plant strength and resistance**.
- Prudent 44 **stimulates key pathways** in the plant, which produce compounds that are responsible for defending the plant against environmental stress.
- Prudent 44 can help **keep un-chelated metals stable in solution**.
- Prudent 44 will **help keep the spray tanks and equipment free of scale buildup**.
- Prudent 44 **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 44 can be applied as needed throughout the year.
- Applications should be made at rates of 1.0 – 1.5 gallons of Prudent 44 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.