



# FORCHLORFENURON (C.P.P.U.)

## PLANT GROWTH REGULATOR



Forchlorfenuron (C.P.P.U.) is a highly active cytokinin-like plant growth regulator that promotes chlorophyll biosynthesis, cell division, and cell expansion. CPPU (*N*-(2-Chloro-4-pyridyl)-*N'*-phenyl urea), a new synthetic phenyl urea derivative of cytokinin, increases plant growth by inhibiting cytokine oxidase, a regulator of cytokinin activity. It acts synergistically with natural auxins to promote plant cell division and lateral growth.

### BENEFITS:

Forchlorfenuron increases the size of berry, improves cluster weight and total yield of blueberries, grapes, kiwi, nuts and other crops. It may improve fruit quality in cold storage condition and delay grape maturation. The higher the rate of product applied, the greater the potential for maturity delay.

In grapes, it may prevent early stage fruit dropping, reduce black drops and maintain the skin color and texture of the Grapes. This product also boosts the quality and quantity of the Grapes. by increasing the berry size and thus leading to spherical berries instead of oblong ones.

### CHEMICAL COMPOSITION OF FORCHLORFENURON (C.P.P.U.) 0.1% LIQUID FORMULATION

<i>Active ingredient</i>	<i>By weight</i>
Forchlorfenuron	0.10%
Other ingredients	99.90%
<b>Total</b>	<b>100.00%</b>

\* Many more formulations available

### DOSAGE AND METHOD OF APPLICATION

CROP	APPLICATION FREQUENCY	DOSES (g a.i./acre)	EFFECT
Blue berries	Single application/season	2-3	Berry size increased
Rabbiteye blue berries	One to two applications. First application during bloom and if a second application is made, it should be approximately 14 days after the first application but not later than 21 days after petal fall.	2	Berry size and berry set increased
Bush berries (Black Currant, Red Currant, Elderberry, Gooseberry and Lingonberry)	One to two spray applications. Make the first application during bloom and the second application approximately 14 days later but not later than 21 days after petal fall.	2	Berry size increased
Seedless grapes	Single application per season	3-6	Increased berry size, improved cluster weight & total yield. Improved fruit quality in cold storage and delay in grape maturation.
Seeded grape for fresh market	Single application per season	2-10	Increased berry size, improved cluster weight & total yield.
Seeded grapes for wine	Single application per season	2-10	Increased berry set, or berry size
Seeded grapes for wine	Single application per season	2-10	Increased berry set, or berry size
Grapes for raisin	Single application at bloom	2-10	Increased fruit set and/or berry size, and may affect drying ratio.



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CROP	APPLICATION FREQUENCY	DOSES (g a.i./acre)	EFFECT
Kiwi fruit	Make the single application when the berry length reaches to 30-45 mm	2-4	Increased fruit size
Pears	Make only one application per year	2-3	Increased fruit size resulting in increased yield.
Cherries (Sweet)	One application per year	2-3	Increased fruit diameter
Figs	One application per year	2-3	Maximize the number of figs
Pistachios	One application per year. Apply at the beginning of kernel formation	2-3	Increased nut weight
Plum/Prune	One application per year. Apply during full bloom.	1.5-2.0	Increased fruit set

### DIRECTION FOR USE:

Product efficacy requires thorough coverage of the flowers and/or fruit. Uniform spray coverage is essential to achieve the desired results.

- ◀ For best results, apply CPPU Plant Growth Regulator under slow drying conditions, e.g. early in the morning, late in the afternoon, or at night, in order to ensure adequate uptake.
- ◀ For best results, the water pH should be close to neutral, and always below 8.5.

### PRECAUTIONS

- ◀ DO NOT apply CPPU Plant Growth Regulator to plants under stress. If plants under stress are treated, the effect may be reduced.
- ◀ DO NOT use overhead irrigation until sprays of CPPU Plant Growth Regulator have dried completely.
- ◀ DO NOT apply CPPU Plant Growth Regulator if rain is expected before sprays have dried completely.
- ◀ DO NOT apply this product through any type of irrigation system.
- ◀ Aerial application of CPPU Plant Growth Regulator is prohibited.
- ◀ DO NOT treat fruit by dipping. Use of the dip method for applying CPPU Plant Growth Regulator may result in residues exceeding tolerance restrictions.



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