

2.4 Equation Pro[®] DF

A broad spectrum organic and penetrating fungicide against early and late blights on potatoes, late blight on tomatoes, Downey mildew on snow peas/ sugar-snaps, ornamentals and powdery mildew on cucurbits.

Famoxate[®] 22.5% + Curzate[®] 30.0%

Mode of action

Famoxate (famoxadone) acts by inhibiting mitochondria respiration, thereby blocking the energy necessary for zoospore motility and survival. This mode of action is effective against Oomycetes resistant to phenylamides.

Curzate (cymoxanil) has a short preventive activity and particularly a remarkable curative action on early and late blight and downy mildew diseases. It penetrates in plant tissues rapidly and is homogeneously distributed all over.

Benefits

- Rain fastness: FAMOXATE gets very strongly fixed onto the plant cuticle and therefore is not affected by rain. CURZATE component penetrates into the crop rapidly.
- Efficacy: **Equation Pro** has regularly shown superior efficacy to standard fungicides particularly when disease damage on the crop is high.
- Other benefits
- **Equation Pro** can be used on a crop as many times as possible without the danger of developing disease resistance like other standard curative fungicide.
- **Equation Pro** has high safety margins on various crops at all stages of growth and does not disrupt crop growth vigour nor tuber formation (in case of potatoes)
- **Equation Pro** does not leave any visible residual materials on foliage of flowers like other products e.g. most mancozeb based fungicides.
- **Equation Pro** components have rapid degradation in the soil and aqueous environment and therefore there is no restriction in terms of follower crops and adjacent crops.
- **Equation Pro** has a very favourable toxicological profile with low toxicity on human, mammals, and does not adversely affect beneficial populations under normal use
- **Equation Pro** does not produce dust during preparation of spray mixture thereby making it easy to handle and more safe to the user.
- It has the lowest application dose ever used to control blight and downy mildew diseases (90gm a.i./ Ha Famoxate[®] + 120gm a.i./ Ha Curzate[®]) and therefore the safest to environment.

Recommendations for use

Crop/ Disease	Rate	No. of Applications	PHI
Potatoes(late and early blight)	400g/ Ha (10g/ 20L) (7.5g/ 15L)	8	14 days
Tomatoes, lettuce, Cucurbits (Downey mildew, Alternaria leaf spot).	400g/ Ha (10g/ 20L) (7.5g/ 15L)	8	3 days

Compatibility

It is compatible with most commonly used fungicides and insecticides. Do not tank-mix **Equation Pro** with alkaline pesticides such as Bordeaux mixture.

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