



# Echo Fungicide

# Q&A



A grower's guide to UAP Echo Fungicide

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# Grower questions

## What is Echo?

Echo is a contact fungicide that provides broad-spectrum disease protection in a large number of crops. It is a non-systemic fungicide that has a multi-site mode of action with exceptional residual action and is very stable on plant surfaces. It does not require a surfactant and comes with DuraShield™ technology for rainfastness. Echo will require less handling due to its higher concentration, making it an ideal alternative for growers looking for a chlorothalonil outside of a bundle.

Echo has been registered in the United States for several years, where it is used consistently on high value crops under intensive production practices, as well as extensive crops such as wheat, chickpeas, lentils and potatoes. There has been no detected resistance in the U.S. after multiple years of application, making it an ideal rotational product for replacing fungicides that are at risk of developing disease resistance.

## What are the crops that Echo is approved for, and what disease(s) does it control in each crop?

Echo is registered on a wide variety of crops, allowing retailers and growers to minimize the number of products required in diverse operations. It is labelled for use on the following crops and their respective diseases, among others:

**Potatoes** – Late blight (*Phytophthora infestans*), Early blight (*Alternaria*), Botrytis vine rot

**Chickpeas** – Ascochyta blight

**Lentils** – Ascochyta blight, Anthracnose

**Tomatoes** – Early blight, Late blight, Septoria leaf spot, Anthracnose, Botrytis gray mold

**Carrots** – Early blight (*Cercospora*), Late blight (*Alternaria*)

**Blueberries** – Anthracnose fruit rot, *Alternaria* fruit rot, Phomopsis canker

**Cranberries** – Fruit rots, Twigleaf blight and Upright dieback

**Ginseng** – Leaf spot and gray mold

**Broccoli, Brussel Sprouts, Cabbage, Cauliflower** – *Alternaria* leaf spot, Downy mildew

**Peas (dry)** – Ascochyta blight (*Mycosphaarella pinodes*)

**Wheat** – Septoria leaf spot, Septoria glume blotch, Tan spot, Fusarium head blight (scab) suppression

A complete list of crops and diseases that Echo is registered on can be found at [www.uap.ca](http://www.uap.ca).

## How does it handle?

Echo fungicide's higher concentration, containing 44 percent more active ingredient than previously available in Canada, means less handling is required and fewer containers need to be cleaned and disposed of.

## What formulations and package sizes are available?

With Echo fungicide, you have the choice of either a liquid formulation (Echo 720) or a dry formulation (Echo 90DF). Echo 720 will be packaged in 9.46 L jugs and 450 L totes, and Echo 90DF will come in 10 kg bags.

## What about rainfastness?

While chlorothalonil has a natural tendency to adhere to surfaces, it can be improved. Echo comes with DuraShield™ technology, a formulation that maximizes adhesion and rainfast properties. Echo is rainfast as soon as the spray solution is completely dry on the plant surface.

## What has the US grower and retailer experience been with Echo?

Gale Hazen is in the unique position of being both a CPS sales representative in Cohocton, N.Y. and a grower who uses Echo fungicide. Hazen produces about 250 acres of potatoes, and applies Echo fungicide in intervals that range between five and nine days, depending on how wet or dry conditions are. He uses both Echo 720 and Echo 90DF.

"Echo 90DF is a good material because it dissolves really well in the tank and the bags are easy to dispose of," Hazen says. "The Echo 720 formulation works just as well." Echo mixes well with other materials and sticks to the plant well," Hazen adds. "A lot of my customers prefer Echo."

Always read and follow label directions. Log on to [www.uap.ca](http://www.uap.ca) for full label information.

Western Canada: 1-800-561-5444 Ontario & Maritimes: 1-800-265-5444 Quebec: 1-800-361-9369 B.C.: 1-604-534-8815

**Echo**®

**Durashield**™  
Excellent Rainfastness

