

# Headline fungicide technology sheet

## Control of key diseases plus the benefits of AgCelence<sup>®</sup>.

- Protection against blackleg and alternaria black spot in canola.
- Disease control and **AgCelence** benefits<sup>1</sup> help build and protect yield potential.
- Unique **AgCelence** plant health benefits of greener leaves, stronger stems and stalks and increased ability to manage exposure to minor stresses.<sup>2</sup>

### Active ingredients

Pyraclostrobin – Group 11

### Formulation

Emulsifiable concentrate

### One case contains

2 x 6.5 L jugs  
Also available in 120 L shuttle  
and 400 L tote

### Storage

Store above 0°C.

### Crops

Canola (for blackleg and **AgCelence** benefits)  
Canola (for alternaria black spot)<sup>3</sup>  
Corn  
Soybeans

### Staging

2 to 6 leaf (rosette)  
20 to 50% bloom, 90% bloom  
early to full tassel - VT  
early flower to late flower- R3

**Additional crops on label:** Alfalfa (for seed production), cereals (barley, oats, rye, wheat), flax, pulses (dry beans, faba beans, field peas, lentils), sunflowers, bluegrasses, fescues and ryegrasses for seed production.

### Diseases controlled

#### In canola.

Alternaria black spot (*Alternaria brassicae* and *raphani*)<sup>3</sup>  
Blackleg (*Leptosphaeria maculans*)

#### In glyphosate-tolerant and conventional corn (field, sweet, pop and seed types).

Common rust (*Puccinia sorghi*)  
Gray leaf spot (*Cercospora zea-maydis*)

#### In glyphosate-tolerant and conventional soybeans.

Asian soybean rust (*Phakopsora pachyrhzi*)  
Frog eye leaf spot (*Cercospora sojina*)

Greener, larger leaves leading to increased photosynthesis



Untreated

Headline

Source: AgSolutions<sup>®</sup> Performance Trials, Foam Lake, SK, 2012

<sup>1</sup> **AgCelence** benefits refer to products that contain the active ingredient pyraclostrobin.

<sup>2</sup> All comparisons are to untreated, unless otherwise stated.

<sup>3</sup> Apply at 20 to 50% bloom for suppression or 90% bloom for control.

## Improved growth in canola with Headline



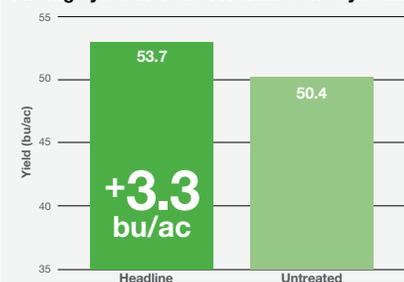
Source: BASF greenhouse trial, Saskatoon, SK, 2012

## Greener soybean leaves with Headline



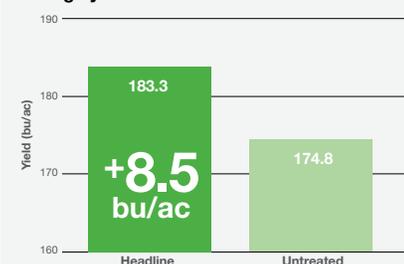
Source: BASF Research Authorization trial, SK, 2012

## Average yield increase: Headline on soybeans



Source: Grower trials, Canada, 2004-2012, n=132

## Average yield increase: Headline on corn



Source: Grower trials, ON, 2007-2011, n=282

## For more information:

Call **AgSolutions** Customer Care  
at 1-877-371-BASF (2273)

Visit [agsolutions.ca](http://agsolutions.ca)

## Application rates

**One case treats 54 to 110 acres, depending on crop.  
One shuttle treats 750 acres. One tote treats 2,500 acres.**

Canola	Headline® fungicide	120 to 160 ml/ac (300 to 400 ml/ha)
	Water volume (ground)	40 L/ac (10 gal/ac)
	Water volume (aerial)	20 L/ac (5 gal/ac)
Corn	Headline fungicide	160 to 240 ml/ac (400 to 600 ml/ha) <sup>4</sup>
	Water volume (ground)	40 L/ac (10 gal/ac)
	Water volume (aerial)	20 L/ac (5 gal/ac)
Soybeans	Headline fungicide	160 ml/ac (400 ml/ha)
	Water volume (ground)	60 L/ac (15 gal/ac)

<sup>4</sup> Do not apply more than 160 ml/ac (400 ml/ha) by aerial application in corn.

## Mixing order

1. Ensure the spray tank is clean before use.
2. Fill the spray tank 1/2 full of water and start agitation.
3. Add the required amount of the tank-mix partner if used, according to manufacturer's instructions.
4. Add the required amount of Headline fungicide to the tank.
5. Continue agitation while filling the remainder of the spray tank.
6. After use, clean the spray tank according to label precautions.

## Application tips

**Rainfastness** – 1 hour.

Headline should be applied preventively, prior to the onset of disease.

Headline can be applied either with an in-crop herbicide in any canola system, or later when applied with Lance® fungicide for sclerotinia control.

## Pre-harvest interval

21 days after application for canola and soybeans.

7 days after application for corn.

## Tank mixes

**Fungicide for canola:** Lance

**Herbicides for canola:** Ares™, Odyssey®, Equinox® EC, Poast® Ultra, Liberty®, Centurion®<sup>5</sup>, Select®<sup>5</sup>, glyphosate

None on label for corn or soybeans.

<sup>5</sup> Supported but not on label.

## Always read and follow label directions.

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