

Caramba fungicide

technology sheet

Preventative protection against late leaf diseases and fusarium head blight.

- Proven protection against fusarium head blight.
- Effective control of later-season foliar diseases.
- Reduces deoxynivalenol (DON) contamination to preserve grade quality.

Active ingredients

Metconazole – Group 3

Formulation

Liquid

One case contains

2 x 8.1 L jugs

Storage

Protect from freezing.

Crops

Barley

Oats

Rye

Triticale

Wheat (all types)

Staging¹

full head emergence to
3 days after full emergence

20% flower²

20% flower²

20% flower²

20% flower²

Diseases controlled

In barley.

Fusarium head blight (*Fusarium graminearum*)³, leaf rust (*Puccinia hordei*), net blotch (*Pyrenophora teres*), powdery mildew (*Erysiphe graminis*), scald (*Rhynchosporium secalis*), spot blotch (*Cochliobolus sativus*)³, stripe rust (*Puccinia striiformis*)

In oats.

Crown rust (*Puccinia coronata*), fusarium head blight (*Fusarium graminearum*)³, septoria leaf blotch (*Septoria avenae*)

In rye.

Fusarium head blight (*Fusarium graminearum*)³, leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis*), stripe rust (*Puccinia striiformis*)

In wheat (all types) and triticale.

Fusarium head blight (*Fusarium graminearum*)^{3,4}, leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis* f. sp. *tritici*), septoria glume blotch (*Stagonospora nodorum*), septoria leaf spot (*Septoria tritici* or *Stagonospora nodorum*), spot blotch (*Cochliobolus sativus*)³, stem rust (*Puccinia graminis*), stripe rust (*Puccinia striiformis*), tan spot (*Pyrenophora tritici-repentis*)

Optimum application timing for fusarium head blight management



20 to 50% flower

¹ For suppression of fusarium head blight and leaf disease control at heading. For leaf disease control prior to heading, apply before the appearance of symptoms.

² This is BBCH stage, GS 61-63.

³ Suppression only.

⁴ Not suppressed in triticale. Wheat only.

 **BASF**

We create chemistry

Fusarium head blight management with Caramba



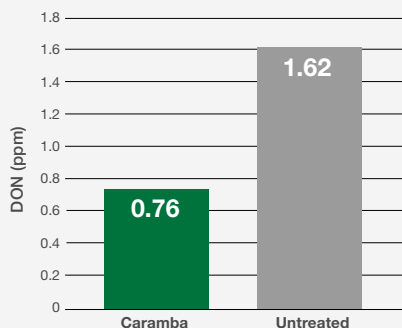
Untreated



Caramba

Source: AgSolutions® Performance Trials, AB, 2011

DON levels in Caramba vs untreated



Source: BASF Research Authorization Trials and AgSolutions Performance Trials, 2008-2012, n=45

For more information:

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

Visit agsolutions.ca

Application rates

One case of Caramba® fungicide treats 40 acres at the fusarium head blight rate.

For fusarium head blight 405 ml/ac (1 L/ha)

Water volume

Ground application 40 to 80 L/ac (10 to 20 gal/ac)⁵

Aerial application 20 L/ac (5 gal/ac)

⁵ Use higher water volumes to ensure adequate coverage and better activity on leaf disease.

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 Caramba fungicide to the tank.
4. Continue agitation while filling the remainder of the spray tank.
5. After use, clean the spray tank according to label precautions.

Application tips

Rainfastness – 1 hour.

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

Avoid application when heavy rain is forecast.

Apply when conditions are favourable for disease development.

Use proper nozzle configuration to ensure adequate coverage.

Pre-harvest interval

30 days after application for barley, oats, rye and wheat.

Tank mixes

None on label.

Contact **AgSolutions** Customer Care or your local BASF Sales Representative for additional information on supported tank mixes.

Always read and follow label directions.

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