Caramba fungicide
technology sheet

Preventative protection against late leaf diseases and fusarium.

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

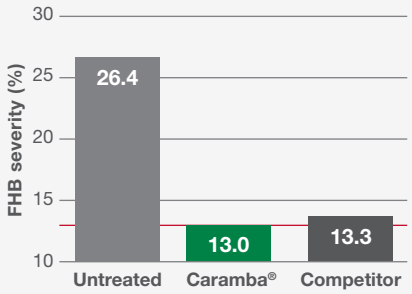
Active ingredients
Metconazole – Group 3

Formulation
Liquid

One case contains
2 x 8.1 L jugs
Also available in 128 L shuttle and 400 L tote

Storage
Protect from freezing.

Reduction in fusarium head blight (FHB) severity in wheat



Source: BASF field trials, 2010-2017, n=42

Crops	Staging
Barley	Full head emergence to 3 days after full emergence[1]
Corn (field, sweet, pop, seed types)	Full silking to silk browning[2]
Oats	20% flower[1,3]
Rye	20% flower[1,3]
Triticale	20% flower[1,3]
Wheat (all types incl. durum wheat)	20% flower[1,3]

Diseases controlled

In barley.
Fusarium head blight (*Fusarium graminearum*)[4], leaf rust (*Puccinia hordei*), net blotch (*Pyrenophora teres*), powdery mildew (*Erysiphe graminis*), scald (*Rhynchosporium secalis*), spot blotch (*Cochliobolus sativus*)[4], stripe rust (*Puccinia striiformis*)

In corn (field, sweet, pop, seed types).
Fusarium ear rot (*Fusarium graminearum*)[4], gibberella ear rot (*Gibberella zeae*)[4]

In oats.
Crown rust *(Puccinia coronata)*, fusarium head blight (*Fusarium graminearum*)[4], septoria leaf blotch (*Septoria avenae*)

In rye.
Fusarium head blight (*Fusarium graminearum*)[4], leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis*), stripe rust (*Puccinia striiformis*)

In wheat (all types incl. durum wheat) and triticale.
Fusarium head blight (*Fusarium graminearum*)[4,5], 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*)[4], stem rust (*Puccinia graminis*), stripe rust (*Puccinia striiformis*), tan spot (*Pyrenophora tritici-repentis*)

[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 63-67. [3] This is BBCH stage, GS 61-63. [4] Suppression only. [5] Not suppressed or controlled in triticale. Wheat only.

BASF
We create chemistry

Caramba®

Fungicide

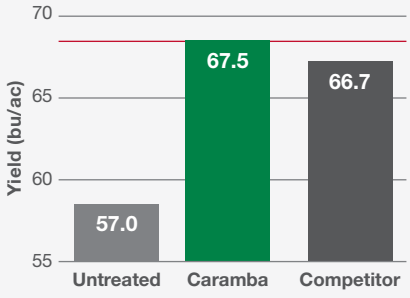
Fusarium head blight management with Caramba

Untreated

Caramba

Source: **AgSolutions®** Performance Trials, AB, 2011

Increased wheat yield with Caramba



Source: BASF field trials, 2010-2017, n=55

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 rate and 60 to 80 acres[6] at the cereal leaf disease rate. One shuttle treats 320 acres. One tote treats 1,000 acres.

For fusarium head blight, fusarium ear rot, gibberella ear rot	405 ml/ac (1 L/ha)
For cereal leaf diseases	202 to 283 ml/ac (500 to 700 ml/ha)[6]

Water volume

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

[6] These rates should be used only for leaf disease control prior to heading. They are not recommended for applications targeting fusarium head blight, fusarium ear rot or gibberella ear rot.

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.

Pre-harvest interval

7 days after application for sweet corn (mechanical harvesting only).

18 days after application for sweet corn (hand harvesting only).

20 days after application for pop and field corn.

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.