Sphaerex fungicide
technology sheet

New and improved cereal head timing fungicide.

- Enhanced yield increase and quality protection
- Best-in-class fusarium head blight (FHB) efficacy to drive improved quality management
- Sphaerex® fungicide provides management of leaf diseases in barley, oats, rye, triticale and wheat

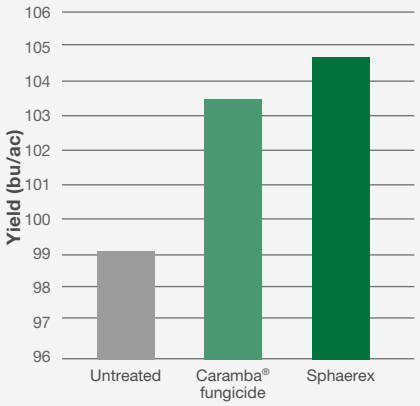
Active ingredients
Metconazole – Group 3
Prothioconazole – Group 3

Formulation
Emulsifiable concentrate

One case contains
2 x 8.65 L jugs

Storage
Ensure adequate mixing prior to use.
Store above 0°C.

Higher yield performance with Sphaerex in cereals



Source: Grower Applied Strip Trials, ON & QC, 2021-2022, n=10

Crops	Staging[1]
Barley	75% spike emergence to 3 days after full emergence
Oats	early panicle to end of flowering
Rye, triticale	early heading to end of flowering
Wheat (all types)	75% head emergence to end of flowering

Diseases controlled

In barley.
Ergot (*Claviceps purpurea*)[2], 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*)[2], stripe rust (*Puccinia striiformis*)

In oats.
Crown rust (*Puccinia coronata*), ergot (*Claviceps purpurea*)[2], fusarium head blight (*Fusarium graminearum*)[4], stagonospora (septoria) leaf blotch and black stem (*Stagonospora avenae syn. Septoria avenae*)

In rye and triticale.
Ergot (*Claviceps purpurea*)[2], fusarium head blight (*Fusarium graminearum*)[5], leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis*), stripe rust (*Puccinia striiformis*)

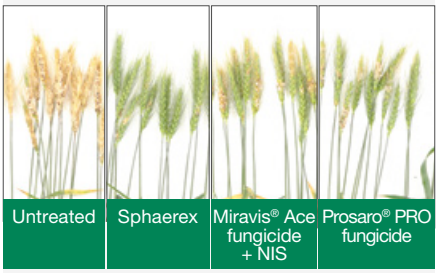
In wheat (all types).
Ergot (*Claviceps purpurea*)[2], fusarium head blight (*Fusarium graminearum*)[6], leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis* f. sp. *tritici*), septoria/stagonospora leaf blotch (*Septoria tritici* or *Stagonospora nodorum*), spot blotch (*Cochliobolus sativus*)[2], stem rust (*Puccinia graminis*), stripe rust (*Puccinia striiformis*), tan spot (*Pyrenophora tritici-repentis*)

[1] Optimum staging for fusarium head blight and ergot management. Sphaerex can be applied earlier for leaf disease management. Performance is best when applications occur prior to foliar disease development or at the onset of disease symptoms.
[2] Suppression only.
[3] Suppression only. Apply when 75-100% of main stem barley spikes are emerged until 3 days after.
[4] Suppression only. Apply at anthesis stage or at early panicle stage when anthers are yellow to white.
[5] Suppression only. Apply when at least 75% of mainstem cereal heads are fully emerged until the end of anthesis.
[6] Suppression only. Apply Sphaerex as a preventative application, beginning when at least 75% of mainstem wheat heads are fully emerged until anthesis stage (Growth Stage (GS) 61-69), early heading stage when anthers are yellow to white. Optimal timing is at anthesis, or until 50% flower.

BASF
We create chemistry

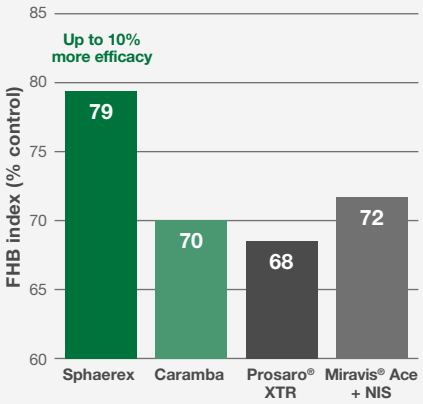
Sphaerex®
Fungicide

Increased efficacy on FHB with Sphaerex



Source: BASF Greenhouse Trials, Saskatoon, SK, 2022, 15 days after disease inoculation at anthesis, 18 days after fungicide application

Sphaerex provides best-in-class quality management



Source: BASF Small Plot Trials, MB & SK, 2020, n=16

For more information:

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

Visit **agsolutions.ca**

Application rates

One case of Sphaerex treats 80 acres for fusarium head blight.

For fusarium head blight	216 ml/ac (530 ml/ha)

Water volume

Ground application	20 gal/ac (200 L/ha)
Aerial application	5 gal/ac (50 L/ha)

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

Application tips

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

Avoid application when heavy rain is forecasted.

Apply when conditions are favourable for disease development.

Pre-harvest interval

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

Tank mixes

None on label.

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

Stewardship

Restricted Entry Interval (REI) is 24 hours for all crops and activities.

All crops can be grazed or fed to livestock 30 days after application.

Do not apply Sphaerex beyond the anthesis stage (>GS 69) when kernels begin milk development stage (GS 70).

Do not make more than one application of Sphaerex per season.

Rotational crops: A plant-back interval of 35 days is required for all crops not listed on the label.

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair.

Always read and follow label directions.