

Sphaerex®

Fungicide

The improved cereal fungicide.

- Helps improve yield and protect grain quality
- Reliable fusarium head blight (FHB) efficacy to drive improved quality management
- Sphaerex® fungicide provides management of leaf diseases in barley, oats, rye, triticale and wheat
- Wide window of application for flexible disease management

Active ingredients

Metconazole – Group 3
Prothioconazole – Group 3

Formulation

Emulsifiable concentrate

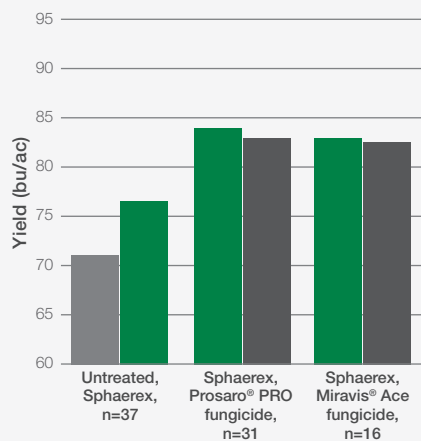
One case contains

2 x 8.65 L jugs
Also available in 138.24 L drum

Storage

Requires heated storage.

Higher yield potential with Sphaerex on wheat



Source: Grower Applied Strip Trials, AB, SK & MB, 2023 – 2024

Crops

Barley
Oats
Rye, triticale
Wheat (durum, spring, winter)

FHB Staging

75% spike emergence to 3 days after full emergence¹
Early panicle to flowering²
Anthesis stage³
75% head emergence to end of flowering⁴

Diseases controlled

In barley.

Ergot (*Claviceps purpurea*)⁵, fusarium head blight (*Fusarium graminearum*)¹, leaf rust (*Puccinia hordei*), net blotch (*Pyrenophora teres*), powdery mildew (*Erysiphe graminis*), scald (*Rhynchosporium secalis*), spot blotch (*Cochliobolus sativus*)⁶, stripe rust (*Puccinia striiformis*)

In oats.

Ergot (*Claviceps purpurea*)⁵, fusarium head blight (*Fusarium graminearum*)², crown rust (*Puccinia coronata*), stagonospora (septoria) leaf blotch and black stem (*Stagonospora avenae* syn. *Septoria avenae*)

In rye and triticale.

Ergot (*Claviceps purpurea*)⁵, fusarium head blight (*Fusarium graminearum*)³, leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis*), stripe rust (*Puccinia striiformis*)

In wheat (all types incl. durum wheat).

Ergot (*Claviceps purpurea*)⁵, fusarium head blight (*Fusarium graminearum*)⁴, leaf rust (*Puccinia recondita*), powdery mildew (*Erysiphe graminis* f. sp. *tritici*), septoria/stagonospora leaf blotch (*Septoria tritici* or *Stagonospora nodorum*), spot blotch (*Cochliobolus sativus*)⁶, stem rust (*Puccinia graminis*), stripe rust (*Puccinia striiformis*), tan spot (*Pyrenophora tritici-repentis*)

Increased FHB efficacy with Sphaerex



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

¹ For suppression of FHB, apply when 75-100% of main stem barley spikes are emerged until 3 days after.

² For suppression of FHB, apply at anthesis stage or at early panicle stage when anthers are yellow to white.

³ For suppression of FHB, apply at early heading stage when anthers are yellow to white.

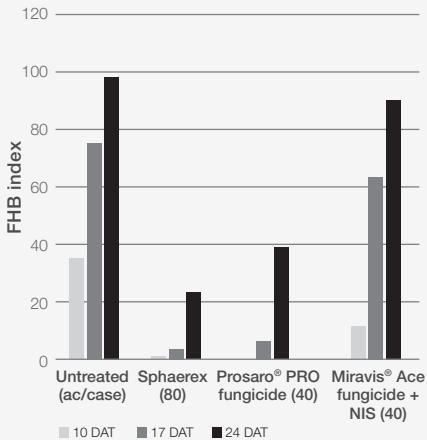
⁴ For suppression of FHB, apply Sphaerex as a preventative application, beginning when at least 75% of mainstem wheat heads are fully emerged until anthesis stage (Growth Stage (GS) 61-69), early heading stage when anthers are yellow to white. Optimal timing is at anthesis, or until 50% flower.

⁵ Suppression at the 80 ac/case rate (0.53 L/ha).

⁶ For suppression of spot blotch only.

BASF
We create chemistry

Reliable FHB management



Source: BASF Greenhouse Trials, 2021, n=1

Application rates

One case of Sphaerex treats 80 to 108 acres. One drum treats 640 to 864 acres.

Barley, oats, rye, triticale, wheat (all types) 160 to 216 ml/ac (0.4 to 0.53 L/ha)

Water volume

Ground application 40 L/ac (10 gal/ac)

Aerial application⁷ 20 L/ac (5 gal/ac)

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 forecast.

Apply when conditions are favourable for disease development.

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 year.

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

Pre-harvest interval

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

Tank mixes

Refer to label.

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

⁷ Aerial application can be lower than 20 L/ac (5 gal/ac) depending on target pathogen.

For more information:

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

Visit [agsolutions.ca](https://www.agsolutions.ca)

Always read and follow label directions.

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