

Application and compatibility



Cogito®

syngenta.

COGITO® is a broad-spectrum foliar cereal fungicide which allows growers and advisors increased flexibility in managing cereal fungal diseases.

Resistance Management

COGITO® is a broad-spectrum foliar cereal fungicide which allows growers and advisors increased flexibility in managing cereal fungal diseases. In one product, COGITO offers control of major cereal diseases such as Stripe Rust while at the same time providing effective control of secondary diseases such as Yellow Leaf Spot.

COGITO is the combination of two Group 3 fungicides, Propiconazole and Tebuconazole. It works primarily within the leaf tissue controlling the disease during the early stages of its development. Additionally it provides some curative activity, controlling disease in the early latent stages of infection.



Application

Timing

COGITO's broad spectrum of activity makes it a good fit with early inoculum management applications made around growth stage GS 30–32 to suppress early disease development.

Alternatively when applied at GS 39, COGITO's efficacy, particularly at the 250 mL/ha rate, has been similar to some more expensive cereal fungicide options. COGITO provides a cost effective treatment to support flag leaf protection.

Some diseases such as Powdery Mildew, Net Blotch and Stem Rust may require applications away from these targeted growth stages.

In all cases, the best level of disease control is achieved when COGITO is applied in a preventative manner (prior to disease infection).

Spray parameters

COGITO can be applied either by air or ground application. In either instance, the application needs to target the area of the canopy that needs to be protected. For example, a Powdery Mildew application should be targeted low down in the canopy where disease will develop first.

When applied by ground it is recommended to use 50–100L/ha of water with a medium spray quality, preferably produced by an Air Induction nozzle such as the Syngenta Air Induction nozzle or Syngenta Air Induction Twin nozzle.

When applied by air it is recommended to use 20–30L/ha of water with a medium spray quality. In addition, aerial applications should only be made in situations where there is at least a 5 knot cross breeze.

When applied by air or ground use the higher water rates as the canopy size increases or where you are controlling Powdery Mildew or Stem Rust.

Mixing Order

COGITO is an Emulsifiable Concentrate (EC), which mixes readily with water. COGITO should be added to the tank after any Water Dispersible Granule (WG) or Suspension Concentrate (SC) formulations, and before Soluble Concentrate (SL) formulations and any adjuvants or wetters are added to the tank.

Compatibility

COGITO is very compatible with a wide range of commonly used broadacre herbicides, insecticides and foliar fertilisers. COGITO does however contain an aggressive surfactant package which assists in delivering its high level of efficacy; occasionally under sub-optimal conditions this may lead to enhanced crop effect with some tank mixes. Please discuss further with a local Syngenta representative if required.

cont. on page 2

TM

Product	COGITO
Achieve*	
ADIGOR®	
Ally ¹	
Amicide 625*	
AXIAL®	#
BRAVO®	
Bromicide MA	
BS 1000	
Buctril M	
CADENCE®	
Conclude*	
Copper Oxy chloride	
Dimethoate*	
Easy N (UAN)*	
Eclipse*	
ERREX®	
Fastac*	
Flight*	
Hasten	
Hoegrass*	
KARATE® ZEON	^
Lemat	
LOGRAN® 750 WG	

Product	COGITO
Lontrel*	
Lorsban 500EC	
Mancozeb	
Mataven 90	
MCPA Amine, Ester, LVE*	
MODDUS® EVO	
Paragon*	
PIRIMOR® WG	
Precept*	
Starane*	
Tigrex*	
TOPIK®	#
Torpedo*	
Velocity*	
Wildcat*	
Yara Phosyn Bortrac*	^
Yara Phosyn Caltrac*	^
Yara Phosyn Coptrac 500*	^
Yara Phosyn Mangtrac*	^
Yara Phosyn Mantrac 500*	^
Yara Phosyn Molytrac 250*	^
Yara Phosyn Zintrac 700*	^

 Biologically Compatible

 Biologically Compatible with some increase herbicide / UAN crop effect

 No data

Increased crop effect can be experienced when the crop is stressed at application

 Physically Compatible

 Not Compatible

^ Constant Agitation Required

NOTES

Before using any tank mixture, consult and comply with the recommendations of the partner products. Each product should be added separately to the bulk of the water in the spray tank and thoroughly mixed before adding the next chemical. Always use constant agitation of the sprayer tank during mixing, transportation and application. Spray immediately.

The above tank mixes have been tested for compatibility with COGITO at recommended rates of use and will mix in the sprayer tank. Only those products noted have been included in biological crop safety or product efficacy assessments. Syngenta will support the physical compatibility of 2-way tank mixes of COGITO with any of the herbicides, insecticides and foliar fertilisers listed. For further information on compatibilities, contact Syngenta Representative.

TRACE ELEMENTS

Syngenta will support the tank mixing of any of the named trace elements with an existing 2 way tank mix including COGITO. Syngenta Crop Protection advise that the trace element part of the tank mix is added to the sprayer tank last with constant agitation and the mixture is sprayed without delay.



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